



## Online Filing

**XML content data for Form DE(2007E)**

**XML data structures for data exchange with the EPO's Online Filing system**

**Applicable to OLF version 3.20 (Release 3.80) and higher**

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## 1 Introduction

The **EPO's Online Filing** (OLF) system and other **patent management systems** (PMS) used by applicants and attorneys are based on **XML** as the universal standard to store information and transmit data over the Internet. XML - the eXtensible Markup Language - allows users to define specific document structures (DTDs) and to use the data for various outputs. The transformation of XML data, e.g. into PDF documents or for display in a software's GUI, is typically handled by XSLT and XFO processors.

A patent application prepared in Online Filing can be exported as a package consisting of several XML and PDF files that contain all the data entered by the user and all the attached electronic documents forming part of the application. Conversely, applications prepared by another PMS can be imported into Online Filing in order to be processed, validated and transmitted to the European Patent Office (EPO). Validating application data within OLF has the advantage that the legal rules and regulations are always up to date, because the updates released by the EPO are automatically installed by the OLF software.

To facilitate data exchange between OLF and other PMS in both directions, the XML data and the attached documents must match the same structures and file properties. Users of other PMS therefore need to convert their XML data into the structure required by OLF prior to import and also the other way round, in order to use data exported from OLF in their respective PMS.

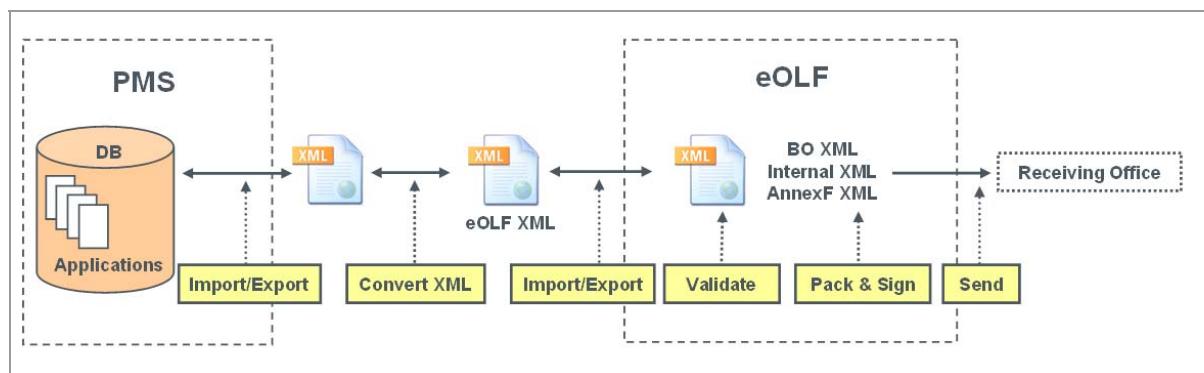


Figure 1: Exchange of XML data between PMS and OLF

The purpose of this document is to provide system developers and software engineers with the necessary resources to develop their own XML conversion tools. Knowing the XML structure and validation rules for the different application procedures in both OLF and target PMS will allow users to program tailor-made routines, so that data can be imported and exported without any loss of accuracy or consistency.

The instructions in the present document are provided by the EPO "as is" and may or may not be complete as to their ability to enable the development of the above described interaction with any particular patent management system.

It is anticipated that system developers and software engineers applying this information will use their knowledge in, amongst others, patent management systems and apply this to verify and enhance, where necessary, these instructions to develop the XML conversion tools for a designated patent management system.

## 2 Functionalities in Online Filing - Overview

### 2.1 System architecture and communication

Online Filing is a typical client-server application and can be installed in either stand-alone or network mode.

- ◆ In stand-alone mode, the server and the thin client work on the same machine.
- ◆ In network mode, the OLF server and the Firebird database are installed on a server machine within the user's network. The thin clients on the user's machines communicate with the server via the intranet (LAN) using CORBA or via the Internet using SOAP.
- ◆ The OLF server communicates with the EPO server over a secure Internet connection (https).
- ◆ The back-end system of the EPO communicates with the systems of the national patent offices over a VPN tunnel.

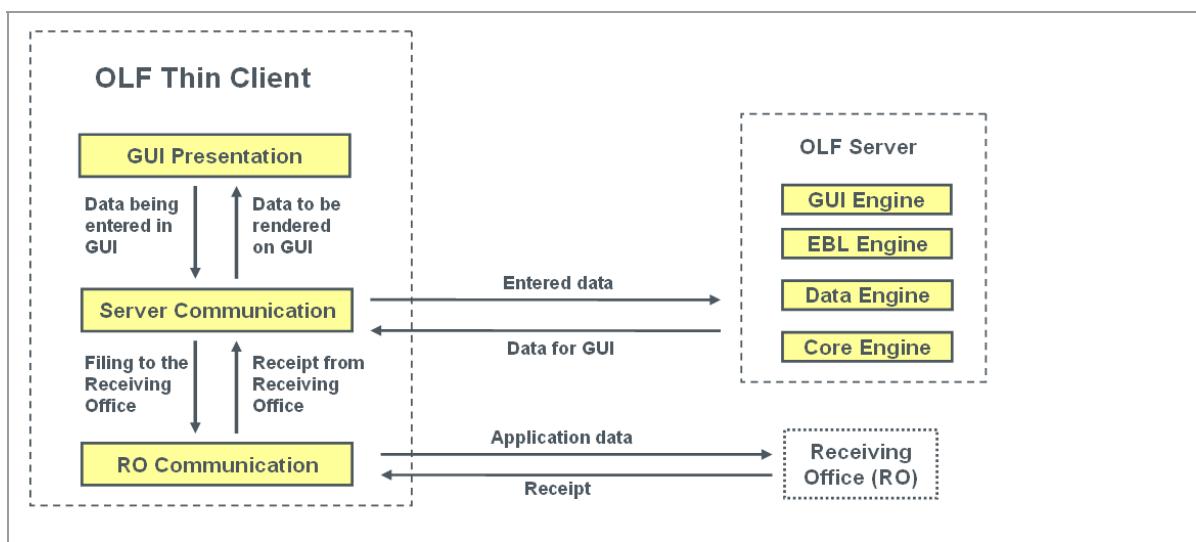


Figure 2: Communication between OLF thin client, OLF server and filing office

- ① See the OLF Installation Guide and OLF User Guide for more information on OLF functionalities, technology and installation. The latest OLF software and documentation are available free of charge from the Download Centre of the **EPO's Online Services website** (<http://www.epoline.org>).

## 2.2 Workflow in Online Filing

### The user

- ◆ starts the thin client: the GUI is rendered from data provided by the OLF server.
- ◆ enters his application data in the GUI: the data is stored as temporary objects in the thin client machine's memory.
- ◆ saves an application as ***draft***: the data from the GUI is written to the server's hard disk and also stored in a temporary folder on the client's hard disk.
- ◆ attaches all documents that are required for the selected procedure and saves the application as ***ready to sign***.
- ◆ applies the signature to an application in the GUI: the application is packed as ***ready to send*** and stored on the server.
- ◆ initiates the sending process by the thin client: the server sends the packed data to be transmitted to the thin client.

### The thin client

- ◆ transmits the package to the filing office and receives the transmission receipt, which is then saved on the server together with the application in ***sent*** status.

## 2.3 Data flow and XML transformation

Online Filing passes through the following steps to create electronic documents from data entered in the GUI:

1. The application data is kept in the memory as a business object tree.
2. The application data is mapped to a business object (BO) XML file.
3. The BO XML is converted to Annex F XML and Internal XML by XSLT style sheets and Xalan/Xerces.
4. The Annex F XML is converted to PDF by the XSL-FO style sheet using the formatting objects processor (FOP). This PDF is ready to be sent to the EPO.

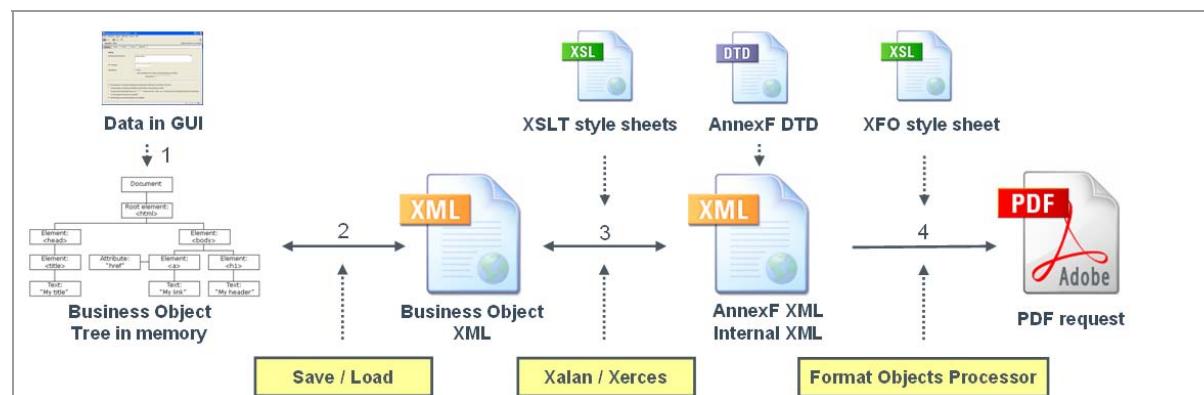


Figure 3: Transformation of data from GUI via XML into PDF

## 3 XML data exchange with patent management systems

### 3.1 How to use this document for DE(2007E)

**Section 2** provides a brief overview of the functionalities, software architecture and transformation mechanisms implemented in EPO Online Filing.

**Section 3** (this section) explains briefly how to convert XML data and import them into Online Filing.

**Section 4** demonstrates the mapping of data from the GUI with the XML data and PDF output. Sample cases are presented for the OLF procedure DE(2007E) - *Antrag auf Erteilung eines Patents* (Annex F), which is used for the request of a patent from the German Patent and Trade Mark Office (DPMA).

The sequence in this document follows the sequence in the Online Filing GUI, starting with general data (e.g. the **Antrag** (request) tab) and ending with the **Gebühren** (Fee payment) tab. Each example shows a screenshot of the GUI, the XML file and the PDF document. The corresponding elements are numbered in the graphics and listed in an element list.

① Zeichen (User reference)	⑧ Straße, Nr. (Address)
② Antragssequenz	⑨ Postleitzahl (Postal code)
③ Name (Last Name)	⑩ Ort (City)
④ Vorname (First Name)	⑪ Land (Country)
⑤ Anmeldercode-Nr. (Registration)	⑫ Telefon (Telephone)
⑥ Namenszusatz (Name affix)	⑬ Fax (Telefax)
⑦ Anrede (Title)	⑭ E-Mail (E-mail)

Figure 4: Mapping elements used in GUI, XML code and PDF form

The Annex in **Section 5** offers further information on the required file formats, file naming conventions, plus an element and attribute list.

### 3.2 Converting PMS data into XML for DE(2007E)

Start your project with an in-depth analysis of the XML structure produced by your PMS. Then set up detailed rules on which PMS data has to be mapped to which OLF data.

- Use the **XML element list** (see "de-request.xml - element list for Form DE(2007E)" p. 69) contained in the annex to this document.
- Note that important data is also stored in the attributes, so use the **attribute list** (see "de-request.xml - attribute list for Form DE(2007E)" p. 73) too.
- Insert a new column and enter the corresponding element (or attribute) names from your PMS in the table.
- Refer to the DTDs to define the structure of the XML documents.
- The mandatory and optional XML files for the DE procedure are listed in chapter **Structure of XML files for DE(2007E)** (p. 10). These are the files you need to produce using your PMS data (except for those files marked as OLF system files).
- Rename your user-specific PDF attachments to the OLF **standard file names** (see "Document codes and file types for DE(2007E)" S. 14). Note that all documents and drawings must be Annex F-compliant.
- Write and set up your own conversion tool to convert your PMS data into XML for OLF.
- Pack all files for each application into a separate ZIP archive for import.

### 3.3 Importing XML into Online Filing

You can use one of the following three methods to import XML data into Online Filing:

1. Importing applications in the GUI of the OLF client
2. Using the PMS Gateway interface
3. Calling import/export procedures from the command prompt

#### OLF client

If you have not already done so, you need to set up a complete installation of the EPO Online Filing system on a dedicated machine.

- Convert the XML data exported by your PMS into XML data for OLF.
- Prepare the package with all XML and PDF files to be imported (either a folder or a ZIP archive).
- Open the OLF **File Manager** and import the application(s) as a new draft.
- Check if there are any validation messages: use the **Validation** button to display a list of messages about missing or wrong data (where applicable).
- Complete your application, sign it with your smart card, send it to the EPO and you are done.

#### PMS Gateway interface

The functionality and installation of the PMS Gateway interface are described in the document ***Introduction to the PMS Gateway Interface***, which is part of the ***PMS Gateway development kit package***. You can find this package in the Download Centre of the **EPO Online Services website** (<http://www.epoline.org>).

PMS Gateway uses the OLF Web Services commands which correspond to the basic functionalities of the OLF client:

- ◆ validate
- ◆ import
- ◆ sign
- ◆ send
- ◆ export
- ◆ remove
- ◆ information

The applications to be imported must be packed as ZIP archives. The PMS sends the package to the PMS Gateway either as a draft or in ready to sign form following successful validation with no severity level 3 messages.

## 4 Form DE(2007E) - Antrag auf Erteilung eines Patents (Request for patent)

### 4.1 Structure of XML files for DE(2007E)

The following four XML files are required for a DE(2007E) application to be imported:

File name	DTD	Description
pkgheader.xml	pkgheader.dtd	Indicates selected procedure and other data for transmission to filing office
package-data.xml	package-data.dtd	References all attached documents
de-request.xml	de-request-v1-3.dtd	Application data as entered in Form DE(2007E), references other attached documents
directdebit.xml	dedda9507_v003.dtd	Contains fee payment, bank account and account holder data for applications where direct debit is selected as mode of payment

#### 4.1.1 General information on the DE(2007E) package - **pkgheader.xml**

The **pkgheader.xml** specifies the technical details that are necessary for sending an application to the DPMA. Sending an application to the DPMA means practically that the data is transmitted via the EPO OLF System to a dedicated DPMA server hosted on the EPO's premises.

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!DOCTYPE pkgheader SYSTEM "pkgheader.dtd">
3  <pkgheader lang="de" dtd-version="1.0"> ①
4    <wad-message-digest>
5    <transmittal-info>
6      <new-application> ②
7        <to>
8          <country>DE</country> ③
9        </to>
10       </new-application>
11     </transmittal-info>
12     <ip-type>patent</ip-type> ④
13     <application-software>
14       <software-name>eOLF</software-name> ⑤
15       <software-version>FMMNGR4228, DE20074107, FM_FOP0205, Help_3.20</software-version> ⑥
16       <software-message>formType=DE2007E2;formVersion=002</software-message> ⑦
17     </application-software>
18     <transmission-type>submission DE2007E2 v.002</transmission-type> ⑧
19   </pkgheader>

```

Figure 5: XML elements in *pkgheader.xml* file

- (1) Filing language
- (2) Type of application
- (3) Filing office
- (4) Kind of IP type
- (5) Name of software used to prepare application
- (6) Version of software
- (7) Name of plug-in used by software
- (8) Type of transmission

#### 4.1.2 References from XML files to other DE(2007E) files

All PDF files and other attachments must be referenced directly by the ***package-data.xml*** file. Starting with Version 4 of the software, the DPMA Online Filing server does not accept any other files.

The ***de-request.xml*** file which is generated by the OLF software also references the file attachments. However, this is not necessary for a ***de-request.xml*** that is intended for import. Attachments will be imported nevertheless if they are referenced correctly in the ***package-data.xml*** file.

##### package-data.xml file

The ***package-data.xml*** file references the file names for attached documents in multiple **<other-doc>** elements using the **file** and **file-type** attributes. The document code to be received by the DPMA server is contained in the **<document-name>** element. In addition, the ***de-request.xml*** file is referenced in the **<application-request>** element.

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!DOCTYPE package-data SYSTEM "package-data.dtd">
3  <package-data lang="de" dtd-version="1.0" produced-by="applicant">
4      <transmittal-info> ①
5          <new-application>
6              <to>
7                  <country>DE</country> ③
8              </to>
9          </new-application>
10         </transmittal-info>
11         <signatories> ④
12             <application-request file="de-request.xml"/> ⑤
13         </signatories>
14         <other-documents>
15             <other-doc file="de-request.pdf" file-type="pdf">
16                 <document-name>2007E</document-name>
17                 <dtext>
18                     <other-doc>
19                         <other-doc file="de-request.xml" file-type="xml">
20                             <other-doc file="directdebit.pdf" file-type="pdf">
21                                 <other-doc file="directdebit.xml" file-type="xml">
22                                     <other-doc file="inventor.pdf" file-type="pdf">
23                                         <other-doc file="DESC.pdf" file-type="pdf">
24                                             <other-doc file="CLMS.pdf" file-type="pdf">
25                                                 <document-name>1080</document-name>
26                                                 <dtext></dtext>
27                         </other-doc> ⑥
28                     <other-doc file="ABST.pdf" file-type="pdf"> ⑦
29                         <document-name>1070</document-name> ⑧
30                         <dtext>2</dtext> ⑨
31                     </other-doc>
32             </other-documents>
33         </package-data>

```

Figure 6: XML elements in package-data.xml file

- (1) Filing language
- (2) Type of application
- (3) Filing office
- (4) Signatories (no signatures attached for import)
- (5) Reference to de-request.xml
- (6) Other document - DPMA file name
- (7) File type of other document
- (8) Document code of other document
- (9) Additional text, e.g. figure to be published with abstract, number of claims, number of drawings

#### de-request.xml

The **de-request.xml** file indicates the document code in the `docType` attribute in the `<de-electronic-file>` element and the file name in the `<de-file-name>` element. In addition, the original file name as given by the user is contained in the `<applicant-file-name>` element. See the following sections for details and examples.

```

66 <de-office-specific-data>
67   <mijpcnr>A47J 37/01</mijpcnr>
68   <statemnt>
72   <deaddapl>
78   <mipymgr payopt="ddebit">
93   <de-electronic-files>
94     <de-electronic-file docType="P2007e">
98     <de-electronic-file docType="P2792">
102    <de-electronic-file docType="A9507">
106    <de-electronic-file docType="A9507.1">
110    <de-electronic-file docType="1090">
114    <de-electronic-file docType="1080">
118    <de-electronic-file docType="1070"> 2
119      <applicant-file-name>NT Backform Zusammenfassung.pdf</applicant-file-name> 3
120      <de-file-name>ABST.pdf</de-file-name> 4
121    </de-electronic-file>
122    <de-electronic-file docType="P1020">
126    </de-electronic-file>
127  </de-electronic-files>
128 </de-office-specific-data>

```

Figure 7: XML elements for electronic files in de-request.xml file

- (1) File element
- (2) Document code
- (3) Original file name
- (4) DPMA file name

## 4.2 Document codes and file types for DE(2007E)

For the successful import of XML data into Online Filing, the values for the `<document-name>` element, the `docType` attribute and the `file` attribute must follow the standard values for the document code as listed in the table below. Without the correct document code, the receiving DPMA server at the EPO can not accept files.

The two tables below shows the document names and document types for both the `package-data.xml` file and the `de-request.xml` file. Please note the difference between the `<document-name>` element and the `docType` attribute for the files generated by OLF.

### Files generated by OLF

<code>&lt;document-name&gt;</code> in package- data.xml	<code>docType</code> Attribute in de-request.xml	<code>file-type</code> Attribute in package- data.xml	<code>file</code> Attribute in <code>package-data.xml</code> / <code>&lt;de-file-name&gt;</code> in de-request.xml	Description
2007E	P2007E	pdf	de-request.pdf	Form DE2007E
REQXML		xml	de-request.xml	DE2007E application data, see <b>Structure of XML files for DE(2007E)</b> (p. 10)
DDEBITPDF	A9507.1	pdf	directdebit.pdf	<i>EINMAL-Einzugsermächtigung</i> Form A9507.1 (for one-time direct debit)
DDEBITPDF	A9507.2	pdf	directdebit.pdf	<i>DAUER-Einzugsermächtigung</i> Form A9507.2 (general authorisation of direct debit)
DDEBITXML	A9507	xml	directdebit.xml	Fee and payment data, see <b>Structure of XML files for DE(2007E)</b> (p. 10)
P2792	P2792	pdf	inventor.pdf	<i>Erfinderbenennung</i> (Designation of inventors)
SPECPDF	P1010e	pdf	specification.pdf	<i>Patentspezifikation</i> (Patent specification)

**Files attached by user**

<b>&lt;document-name&gt; in package-data.xml</b>	<b>docType Attribute in de-request.xml</b>	<b>file-type Attribute in package-data.xml</b>	<b>file Attribute in package-data.xml / &lt;de-file-name&gt; in de-request.xml</b>	<b>Description</b>
1060	1060	pdf	SPECIFICATION.pdf	Patent specification attached as a single PDF file
1070	1070	pdf	ABST.pdf	Abstract
1080	1080	pdf	CLMS.pdf	Claims
1090	1090	pdf	DESC.pdf	Description
P1000	P1000	pdf	powerofagent-N.pdf (*)	<i>Vertretervollmacht</i> (Authorisation of representative)
P10000	P10000	pdf	other-N.pdf (*)	Other document in PDF
P10000	P10000	jpg	other-N.jpg (*)	Other document in JPG
P10000	P10000	tif	other-N.tif (*)	Other document in TIF
P1010	P1010	xml	specification.xml	Patent specification in XML
P1020	P1020	pdf	drawing-N.pdf (*)	Drawing in PDF format
P1020	P1020	jpg	drawing-N.jpg (*)	Drawing in JPG format
P1020	P1020	tif	drawing-N.tif (*)	Drawing in TIF format
P1030	P1030	pdf	advanceapp.pdf	<i>Kopie der Voranmeldung</i> (copy of priority document)
P1040	P1040	pdf	nonpatentlit-N.pdf (*)	<i>Nichtpatentliteratur</i> (non patent literature)
P1050	P1050	xml	biosequence.xml	Nucleotide and amino acid sequence listing in XML format
P1050	P1050	txt	biosequence.txt	Sequence listing in TXT format (ASCII text)
PATXMLTIF	PATXMLTIF	tif	<filename>.tif	Drawing in TIF format (referenced by specification.xml file as a result of attaching specification in XML format)
PATXMLTIF	PATXMLTIF	jpg	<filename>.jpg	Drawing in JPG format (referenced by specification.xml file)

(\*) More than one file of this type of document can be attached. The character **N** in the above file names stands for the sequence of the attached files, in other words **1, 2, 3** etc.

## 4.3 DE(2007E) Antrag (request)

Form DE(2007E) starts with the **Antrag** (request) tab where basic data for the application is entered:

- ◆ Title of invention
- ◆ Reference to previous application
- ◆ Other requests

### 4.3.1 Antrag (request) - Example 1: request

GUI DE(2007E), **Antrag (request)** tab

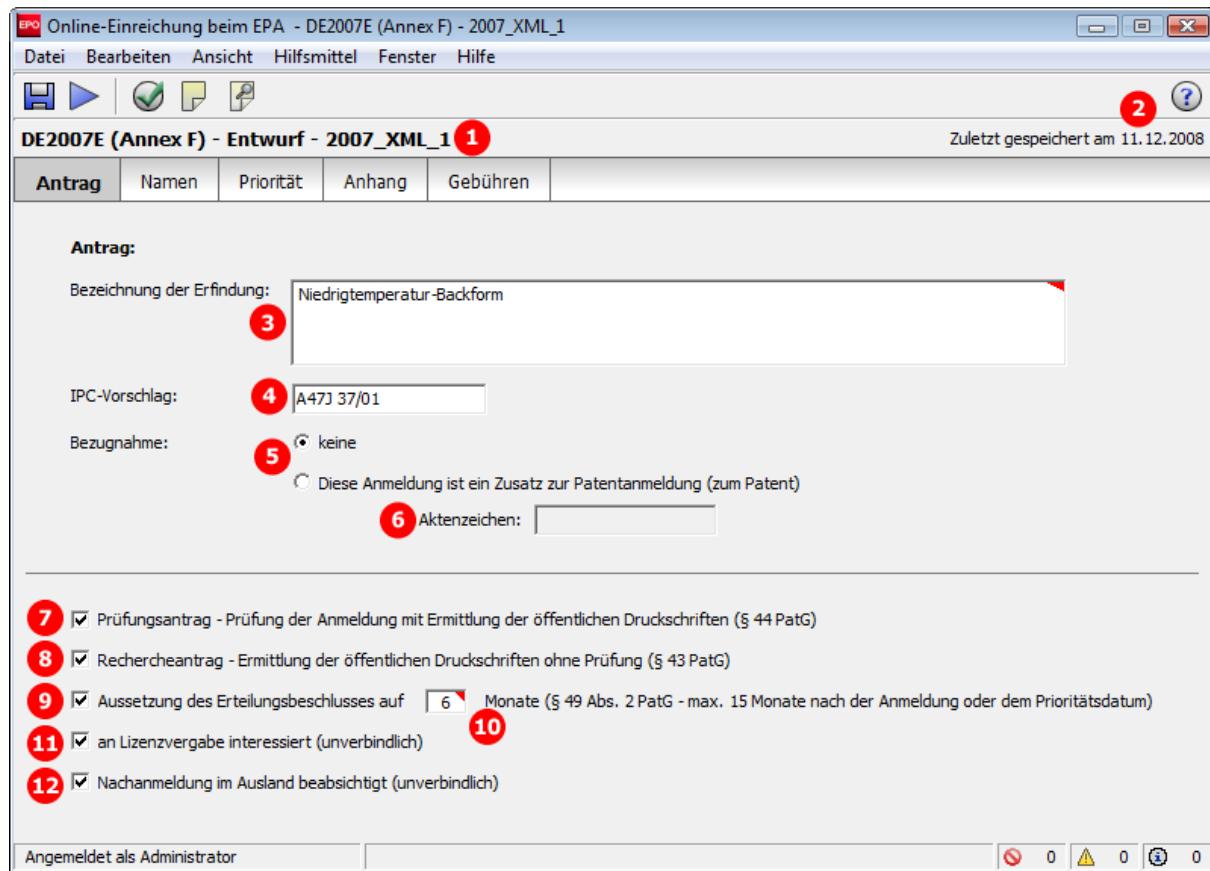


Figure 8: Antrag (request) GUI: basic data on application and requests entered

### Element list

- (1) Nutzerzeichen (user reference)
- (2) Datum (date)
- (3) Bezeichnung der Erfindung (title of invention)
- (4) IPC-Vorschlag (proposed IPC classification (<http://depatisnet.dpma.de/IPC/init.do>))
- (5) Bezugnahme (reference)
- (6) Aktenzeichen (referenced application number)
- (7) Prüfungsantrag (request for examination)  
The code attribute for the `<depruef>` element takes the value **both** if (7) and (8) are selected.
- (8) Rechercheantrag (request for research)
- (9) Aussetzung des Erteilungsbeschlusses
- (10) Monate (months)
- (11) an Lizenzvergabe interessiert (interested in licensing)
- (12) Nachanmeldung im Ausland

### XML de-request.xml

```

1   <?xml version="1.0" encoding="UTF-8"?>
2   <!DOCTYPE request SYSTEM "de-request-v1-3.dtd">
3   <request lang="de" dtd-version="1.0" produced-by="applicant" ro="DE" date-produced="11.12.2008">2
4   <file-reference-id>2007_XML_1</file-reference-id>
5   <request-petition/>
6   <invention-title>Niedrigtemperatur-Backform</invention-title>3
7   <parties corent="app">
56  <priority-claims>
73  <check-list total-page-count="10">
80  <figure-to-publish>
81  <fig-number>2a</fig-number>
82  </figure-to-publish>
83  <de-office-specific-data>
84  <miipcnr>A47J 37/01</miipcnr>4
85  <statemnt>
86  <delizenz code="yes"/>11
87  <denachan code="yes"/>12
88  </statemnt>
89  <deaddapl>
90  <dezusatz code="no"/>5
91  <deakz code="" />6
92  <depruef code="both"/>78
93  <deauasset month="0"/>9
94  </deaddapl>10
95  <mipymgr payopt="invoice">
110 <de-electronic-files>
128 </de-office-specific-data>
129 </request>

```

Figure 9: de-request.xml: basic data and requests

**PDF de-request.pdf**

<p>An das  <b>Deutsche Patent- und Markenamt</b>  80297 München</p> <p>(1) In der Anschrift Straße, Haus-Nr. und ggf. Postfach angeben</p> <p>Vordruck nicht für PCT -Verfahren verwenden</p> <p>(2) Zeichen des Anmelders/Vertreters (max. 20 Stellen) 2007_XML_1 <b>1</b></p> <p>(3) Der Empfänger in Feld (1) ist der  <input checked="" type="checkbox"/> Anmelder   <input type="checkbox"/> Vertreter  <b>Zustellungsbevollmächtigte</b></p> <p>(4) nur auszufüllen, wenn abweichend von Feld (1)   Handelsregi s- ternummer nur bei Firmen anzugeben   (5) soweit bekannt   (6) IPC-Vorsch ag ist unbedingt anzubringen, sofern bekannt   (7)</p>		<p><b>DEUTSCHES PATENT- UND MARKENAMT</b></p> <p><b>Sendungen des Deutschen Patent- und Markenamts sind zu richten an:</b></p> <p>Herr Thomas Kleber Neulandstraße 125 85634 Garching b. München DE</p> <p><b>Antrag auf Erteilung eines Patents</b></p> <p><b>1</b></p> <p>Aktenzeichen (wird vom Deutschen Patent- und Markenamt vergeben)</p> <p>Telefon des Anmelders/Vertreters   Datum +49 89 1277 8845   11.12.2008 <b>2</b></p> <p>ggf. Nr. der Allgemeinen Vollmacht</p> <p><b>Anmelder (Name und Anschrift - kein Postfach! -)</b>   <b>Vertreter (Name und Anschrift)</b></p> <p>Herr Thomas Kleber Neulandstraße 125 85634 Garching b. München DE</p> <p><input type="checkbox"/> Der Anmelder ist eingetragen im Handelsregister Nr. beim Amtsgericht</p> <p>Anmeldercode-Nr. <b>102030400.0</b>   Verteilercode-Nr. <b>A47J 37/01</b> <b>4</b>   Zustelladressen-Nr. <b>ABT</b> <b>ERF</b></p> <p><b>Bezeichnung der Erfindung</b> Niedrigtemperatur-Backform <b>3</b></p> <p>IPC-Vorschlag d. Anmelders</p> <p><b>Sonstige Anträge</b></p> <p><input type="checkbox"/> Die Anmeldung ist <b>Zusatz</b> zur Patentanmeldung (zum Patent)  <input checked="" type="checkbox"/> <b>Prüfungsantrag</b> - Prüfung der Anmeldung <b>mit</b> Ermittlung der öffentlichen Druckschriften (§ 44 Patentgesetz)  <input checked="" type="checkbox"/> <b>Rechercheantrag</b> - Ermittlung der öffentlichen Druckschriften <b>ohne</b> Prüfung (§ 43 Patentgesetz)  <input checked="" type="checkbox"/> <b>Aussetzung</b> des Erteilungsbeschlusses auf 6 Monate (§ 49 Abs. 2 Patentgesetz)  (Max. 15 Mon. ab Anmelde- oder Priorität: <b>10</b>)</p> <p><b>Erklärungen</b></p> <p><input type="checkbox"/> <b>Teilung/Ausscheidung</b> aus der Patentanmeldung  <input checked="" type="checkbox"/> an <b>Lizenzvergabe</b> interessiert (unverbindlich)  <input checked="" type="checkbox"/> <b>Nachanmeldung im Ausland</b> beabsichtigt (unverbindlich)</p> <p>Aktenzeichen der Hauptanmeldung (des Hauptpatents) <b>6</b></p> <p>Aktenzeichen der Stammanmeldung</p>	
--	--	---	--

Figure 10: Form 2007E: basic data and requests

### 4.3.2 Antrag (request) - Example 3: reference to previous application

GUI DE(2007E), Antrag (request) tab

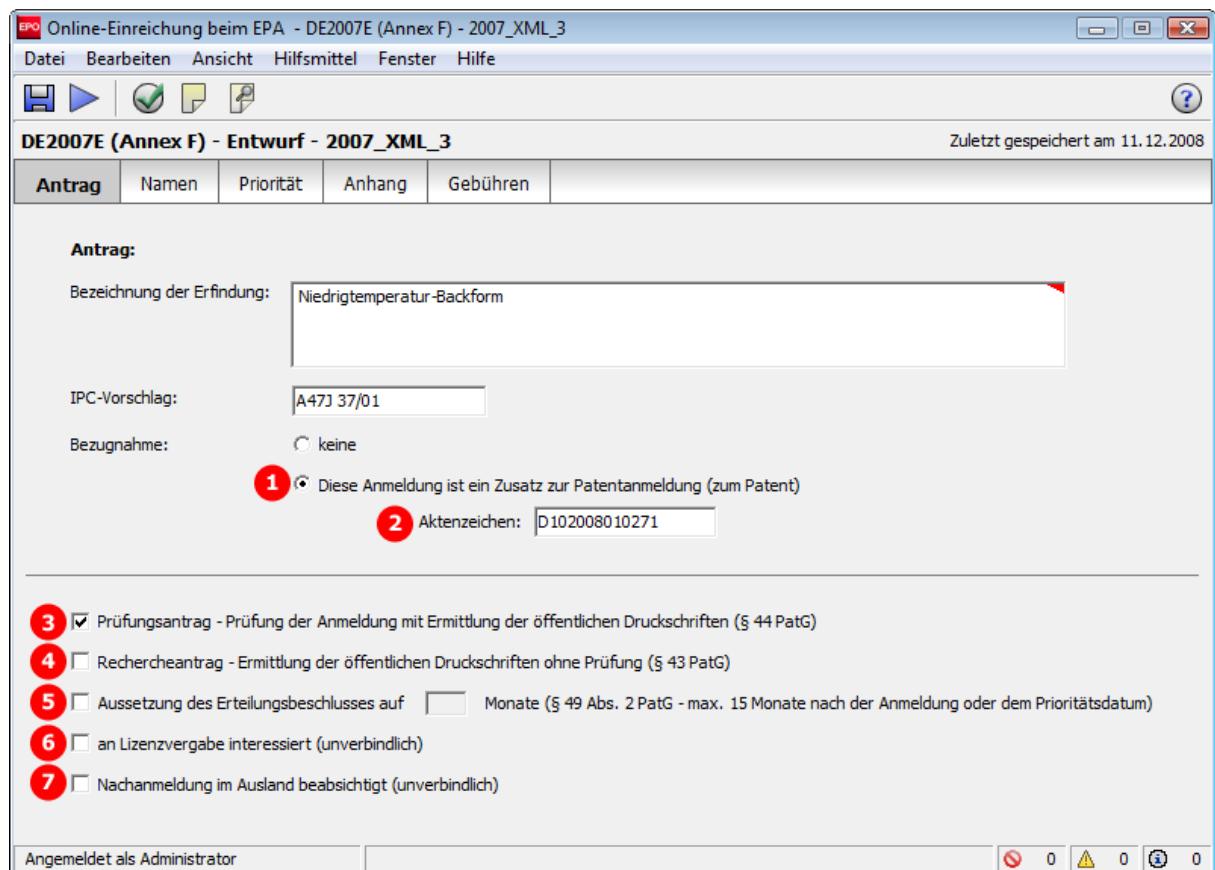


Figure 11: Antrag (request) GUI: reference to previous application

#### Element list

- (1) *Bezugnahme* (reference)
- (2) *Aktenzeichen* (referenced application number)
- (3) *Prüfungsantrag* (request for examination)
  - The code attribute for the `<depruef>` element takes the value **pruef** if selected.
- (4) *Rechercheantrag* (request for research)
  - The code attribute for the `<depruef>` element takes the value **recherch** if selected.
- (5) *Aussetzung des Erteilungsbeschlusses*
- (6) *an Lizenzvergabe interessiert*
- (7) *Nachanmeldung im Ausland beabsichtigt*

### XML de-request.xml

```

82 <de-office-specific-data>
83   <miipcnr>A47J 37/01</miipcnr>
84   <statemnt>
85     <delizenz code="no"/> 6
86     <denachan code="no"/> 7
87   </statemnt>
88   <deadadpl>
89     <dezusatz code="zus"/> 1
90     <deakz code="D102008010271"/> 2
91     <depruef code="pruef"/> 3 4
92     <deausset month="0"/> 5
93   </deadadpl>
94   <mipymgr payopt="debit">
109   <de-electronic-files>
147   </de-office-specific-data>
148 </request>

```

Figure 12: de-request.xml: reference to previous application

### PDF de-request.pdf

(7) <b>Sonstige Anträge</b>		2 Aktenzeichen der Hauptanmeldung (des Hauptpatents) D102008010271
<input checked="" type="checkbox"/> 1 Die Anmeldung ist <b>Zusatz</b> zur Patentanmeldung (zum Patent)	<input checked="" type="checkbox"/> 3 Prüfungsantrag - Prüfung der Anmeldung <b>mit</b> Ermittlung der öffentlichen Druckschriften (§ 44 Patentgesetz)	
<input type="checkbox"/> 4 Rechercheantrag - Ermittlung der öffentlichen Druckschriften <b>ohne</b> Prüfung (§ 43 Patentgesetz)	<input type="checkbox"/> 5 Aussetzung des Erteilungsbeschlusses auf 0 Monate (§ 49 Abs. 2 Patentgesetz) <i>(Max. 15 Mon. ab Anmelde- oder Prioritätstag)</i>	
(8) <b>Erklärungen</b>		Aktenzeichen der Stammanmeldung
<input type="checkbox"/> 6 Teilung/Ausscheidung aus der Patentanmeldung an Lizenzvergabe interessiert (unverbindlich)		
<input type="checkbox"/> 7 Nachanmeldung im Ausland beabsichtigt (unverbindlich)		
(9)		
<input type="checkbox"/> Inländische <b>Priorität</b> (Datum, Aktenzeichen der Voranmeldung)		
<input type="checkbox"/> Ausländische <b>Priorität</b> (Datum, Land, Aktenz. der Voranmeldung; vollständige <b>Abschrift(en)</b> der ausländischen Voranmeldung(en) beifügen)		

Figure 13: Form DE2007E: Zusatz zur Patentanmeldung (reference to previous application)

## 4.4 DE(2007E) Namen (names)

The **Namen** (names) tab of Form DE(2007E) accommodates all data for names, persons and addresses relating to the application. At least one applicant and one address for correspondence are required.

Each address is structured identically in the XML code. See chapter **Namen (names) - Example 2: multiple applicants, multiple representatives, multiple inventors** (p. 25) for various examples.

- ◆ Applicant(s)
- ◆ Representative(s)
- ◆ Inventor(s)
- ◆ Authorisation(s)
- ◆ Address for correspondence

If one or more inventors are specified, a separate *inventor.pdf* file is created with the inventors' addresses. The inventors' addresses in XML are listed within the *de-request.xml* file, however.

### 4.4.1 Namen (names) - Example 1: applicant (natural) is also inventor with address for correspondence

GUI DE(2007E), Namen (names) tab

Figure 14: Namen (names) GUI: applicant is also inventor and address for correspondence

### Element list

- (1) *Anmelder 1* (1<sup>st</sup> applicant)
- (2) *Name* (last name)
- (3) *Vorname* (first name)
- (4) *Namenszusatz* (suffix)
- (5) *Anrede* (title)
- (6) *Anmeldercode-Nr.* (registration number)
- (7) *Straße, Nr.* (street and number)
- (8) *Postleitzahl* (postal code)
- (9) *Ort* (city)
- (10) *Land* (country)
- (11) *Telefon* (phone)
- (12) *Fax* (fax)
- (13) *E-Mail* (email)
- (14) *Als Zustellanschrift verwenden* (use applicant's address for correspondence)
- (15) *ist auch Erfinder* (is also inventor)
- (16) *beantragt Nichtnennung* (renunciation of title by inventor)

The **renunciation** attribute for the `<inventor>` element takes the value **no** if the check-box is not ticked.

**XML de-request.xml**

```

7  14<parties corent="app">
8    <applicants group="no">
9      1<applicant sequence="1" designation="as-indicated" app-type="applicant">
10        <addressbook lang="de">
11          <prefix>Herr</prefix> 5
12            2<last-name>Kleber</last-name>
13              <first-name>Thomas</first-name> 3
14                4<suffix></suffix>
15                  <registered-number>102030400.0</registered-number> 6
16                <address>
17                  7<street>Neulandstra e 125</street>
18                    <city>Garching b. M nchen</city> 9
19                      8<postcode>85634</postcode>
20                        <country>DE</country> 10
21                      </address>
22                      11<phone>+49 89 1277 8845</phone>
23                        <fax>+49 89 1277 8822</fax> 12
24                      13<email>kleber@innovation-gmbh.de</email>
25                    <treg-number></treg-number>
26                    <court></court>
27                  </addressbook>
28                  <nationality>
29                    <country></country>
30                  </nationality>
31                  <residence>
32                    <country></country>
33                  </residence>
34                </applicant>
35              </applicants>
36              <inventors group="no" ueberrecht="">
37                15<inventor sequence="1" designation="as-indicated" renunciation="no">
38                  <addressbook lang="de">
39                    <prefix>Herr</prefix>
40                    <last-name>Kleber</last-name>
41                      <first-name>Thomas</first-name>
42                        <suffix></suffix>
43                      <address>
44                        <street>Neulandstra e 125</street>
45                          <city>Garching b. M nchen</city>
46                            <postcode>85634</postcode>
47                            <country>DE</country>
48                          </address>
49                          <phone>+49 89 1277 8845</phone>
50                            <fax>+49 89 1277 8822</fax>
51                            <email>kleber@innovation-gmbh.de</email>
52                          </addressbook>
53                        </inventor>
54                      </inventors>
55                    </inventors>

```

Figure 15: de-request.xml: applicant and inventor's address

**PDF de-request.pdf**

An das <b>Deutsche Patent- und Markenamt</b> 80297 München		<b>DEUTSCHES PATENT- UND MARKENAMT</b>		
<b>14</b> In der Anschrift Straße, Haus-Nr. und ggf. Postfach angeben	Sendungen des Deutschen Patent- und Markenamts sind zu richten an: Herr Thomas Kleber Neulandstraße 125 85634 Garching b. München DE		<b>Antrag auf Erteilung eines Patents</b>  <b>1</b>	
		Aktenzeichen (wird vom Deutschen Patent- und Markenamt vergeben)		
Vordruck nicht für PCT -Verfahren verwenden				
(2) Zeichen des Anmelders/Vertreters (max. 20 Stellen) 2007 XML_1		Telefon des Anmelders/Vertreters <b>11</b> +49 89 1277 8845		Datum 11.12.2008
(3) Der Empfänger in Feld (1) ist der <b>14</b> <input checked="" type="checkbox"/> Anmelder <input type="checkbox"/> Vertreter		ggf. Nr. der Allgemeinen Vollmacht		
<b>1</b> <b>Anmelder</b> (Name und Anschrift - kein Postfach! -) auszufüllen, wenn abweichend von Feld (1) Handelsregi- sternummer nur bei Firmen anzugeben (5) soweit bekannt (6)		<b>Vertreter</b> (Name und Anschrift) <input type="checkbox"/> Der Anmelder ist eingetragen im Handelsregister Nr. beim Amtsgericht		
Herr Thomas Kleber <b>5</b> <b>3</b> <b>2</b> Neulandstraße 125 <b>7</b> 85634 Garching b. München <b>8</b> <b>9</b> DE <b>10</b>				
Anmeldercode-Nr. 102030400.0 <b>6</b>		Vertretercode-Nr.	Zustelladressen-Nr.	<b>ABT</b> <b>ERF</b>
<b>Bezeichnung der Erfindung</b>		A47J 37/01		

Figure 16: Form DE2007E: address for correspondence and applicant

**PDF inventor.pdf**

<h2>Erfinderbenennung</h2>	
Die Erfinderbenennung muss auch erfolgen, wenn der Anmelder selbst der Erfinder ist. Ist der Anmelder Miterfinder, so ist er auch mitzubenennen.	
<b>Amtliches Aktenzeichen(wenn bereits bekannt)</b>	
<b>Bezeichnung der Erfindung</b> Niedrigtemperatur-Backform	
<b>Erfinder</b>	
① Vor- und Zuname <b>15</b> Herr Thomas Kleber Privatanschrift Neulandstraße 125 85634 Garching b. München DE <b>16</b> <input type="checkbox"/> Erfinder stellt Antrag auf Nichtnennung (§ 63 Abs. 1 S. 3 PatG)	

Figure 17: Erfinderbenennung PDF: designation of inventor

#### 4.4.2 Namen (names) - Example 2: multiple applicants, multiple representatives, multiple inventors

GUI DE(2007E), Namen (names) tab

The screenshot shows the 'Namen (names)' tab of the EPO Online Filing software. The interface is in German. Key data points identified by red numbers:

- Anmelder (Applicant):** Innovation GmbH (2), Sonnenstatter, Matthias (3).
- Vertreter (Representative):** Knopp, Wolfgang (5), Steiner, Anna (6).
- Erfinder (Inventor):** Kleber, Thomas (24), Bäcker, Bruno (25).
- Firma:** Meyer und Partner (7).
- Name:** Knopp (8), Namenszusatz: (10).
- Vorname:** Wolfgang (9), Anrede: Herr (11).
- Vertretercode-Nr.:** 45008911230 (12).
- Postfach:** (13), Telefon: +49 89 2100 56-23 (18).
- Straße, Nr.:** Opernplatz 4b (14), Fax: +49 89 2100 56-89 (19).
- Postleitzahl:** 80331 (15).
- Ort:** München (16).
- Land:** DE Deutschland (17).
- Checklist:** Als Zustellanschrift verwenden (21).
- File Attachment:** Vertretervollmacht anhängen: powerofagent-1.pdf (22).

Figure 18: Namen (names) GUI: two applicants, two representatives, two inventors

## Element list

- (1) *Anmelder* (applicants group)

The **group** attribute for the `<applicants>` element takes the value **yes** if more than one applicant is specified.

- (2) *Anmelder 1* (1<sup>st</sup> applicant)

- (3) *Anmelder 2* (2<sup>nd</sup> applicant)

- (4) *Vertreter* (representatives group)

The **group** attribute for the `<agents>` element takes the value **yes** if more than one representative is specified.

- (5) *Vertreter 1* (1<sup>st</sup> representative)

- (6) *Vertreter 2* (2<sup>nd</sup> representative)

- (7) *Firma* (company)

- (8) *Name* (last name)

- (9) *Vorname* (first name)

- (10) *Namenszusatz* (suffix)

- (11) *Anrede* (title)

- (12) *Vertretercode-Nr.* (registration number)

- (13) *Postfach* (post office box number)

- (14) *Straße, Nr.* (street and number)

- (15) *Postleitzahl* (postal code)

- (16) *Ort* (city)

- (17) *Land* (country)

- (18) *Telefon* (phone)

- (19) *Fax* (fax)

- (20) *E-Mail* (email)

- (21) *Als Zustellanschrift verwenden* (use representative's address for correspondence)

- (22) *Vertretervollmacht 1* (authorisation for representative 1 attached)

- (23) *Erfinder* (inventors group)

The **group** attribute for the `<inventors>` element takes the value **yes** if more than one inventor is specified.

- (24) *Erfinder 1* (1<sup>st</sup> inventor)

- (25) *Erfinder 2* (2<sup>nd</sup> inventor)

- (26) *Vertretervollmacht 2* (authorisation for representative 2 attached)

- (27) *Das Recht ist auf den Anmelder übergegangen durch* (the applicant has acquired the right to the patent as follows)

- (28) *beantragt Nichtnennung* (renunciation of title by inventor 1)

The **renunciation** attribute for the `<inventor>` element takes the value **yes** if the check-box is ticked.

- (29) *beantragt Nichtnennung* (renunciation of title by inventor 2)

**XML de-request.xml**

```

7   <parties corent="agent">21
8     <applicants group="yes">
9       1 <applicant sequence="1" designation="as-indicated" app-type="applicant">
33       2 <applicant sequence="2" designation="as-indicated" app-type="applicant">
59     </applicants>
60   <inventors group="yes" ueberrecht="Erfinder ist/sind Arbeitnehmer;">
61     23 <inventor sequence="1" designation="as-indicated" renunciation="yes">28
78     24 <inventor sequence="2" designation="as-indicated" renunciation="no">29
95   </inventors>
96   <agents group="yes">
97     4 <agent sequence="1" rep-type="agent">
98       <addressbook lang="de">
99         5 <prefix>Herr</prefix>
100        <last-name>Knopp</last-name> 8
101        <first-name>Wolfgang</first-name>
102        <suffix></suffix> 10
103      <orgname>Meyer und Partner</orgname>
104      <department></department>
105      12 <registered-number>45008911230</registered-number>
106      <address>
107        13 <pobox></pobox>
108        <street>Opernplatz 4b</street> 14
109        15 <city>M&#252;nchen</city>
110        <postcode>80331</postcode> 16
111        17 <country>DE</country>
112      </address>
113      <phone>+49 89 2100 56-23</phone>
114      <fax>+49 89 2100 56-89</fax> 19
115      20 <email>knopp@meyer-partner.de</email>
116    </addressbook>
117  </agent>
118  <agent sequence="2" rep-type="agent">
139    <agents>
140  </parties>
141  <check-list>
142    <cl-description page-count="7" ppf="1" ppl="7"/>
143    <cl-claims claims-number="20" page-count="2" ppf="1" ppl="2"/>
144    <cl-abstract page-count="1" ppf="1" ppl="1"/>
145    <cl-drawings fig-count="2"/>
146    22 <cl-other-document page-count="2">powerofagent-1.pdf</cl-other-document>
147    <cl-other-document page-count="2">powerofagent-2.pdf</cl-other-document> 26
148    <cl-other-document page-count="-1">drawing-1.tif</cl-other-document>
149    <cl-other-document page-count="3">drawing-1.pdf</cl-other-document>
150    <cl-other-document page-count="-1">drawing-1.jpg</cl-other-document>
151    <cl-other-document page-count="2">nonpatentlit-1.pdf</cl-other-document>
152    <cl-other-document page-count="-1">biosequence.xml</cl-other-document>
153    <cl-other-document page-count="-1">other-1.jpg</cl-other-document>
154  </check-list>

```

Figure 19: de-request.xml: applicants group, inventors group, agents group with address of first representative

**PDF de-request.pdf**

An das Deutsche Patent- und Markenamt 80297 München		DEUTSCHES PATENT- UND MARKENAMT		
(1) In der Anschrift Straße, Haus-Nr. und ggf. Postfach angeben	Sendungen des Deutschen Patent- und Markenamts sind zu richten an:  ⑤ Herr Wolfgang Knopp Meyer und Partner  Opernplatz 4b  80331 München DE	<b>Antrag auf Erteilung eines Patents</b>	<b>1</b>	Aktenzeichen (wird vom Deutschen Patent- und Markenamt vergeben)
	Vordruck nicht für PCT -Verfahren verwenden			
(2)	Zeichen des Anmelders/Vertreters (max. 20 Stellen) 2007_XML_2	⑯ Telefon des Anmelders/Vertreters +49 89 2100 56-23 +49 89 2100 56-24	⑰ Datum 11.12.2008	
(3)	Der Empfänger in Feld (1) ist der <input type="checkbox"/> Anmelder <input checked="" type="checkbox"/> Vertreter Zustellungsbevollmächtigte	ggf. Nr. der Allgemeinen Vollmacht ⑯ Vertreter ⑤ Herr Wolfgang Knopp ⑪ ⑨ ⑧ Meyer und Partner ⑦  ⑭ Opernplatz 4b ⑮ 80331 München ⑯ ⑯ DE  ⑥ Frau Anna Steiner Meyer und Partner  Opernplatz 4b  80331 München DE		
auszufüllen, wenn abweichend von Feld (1)	<input checked="" type="checkbox"/> Der Anmelder ist eingetragen im Handelsregister Nr. 110220 beim Amtsgericht München			
(5) soweit bekannt	Anmeldercode-Nr. 10098877234	Vertretercode-Nr. ⑫ 45008911230 45008911233	Zustelladressen-Nr.	ABT ERF
(6)	<b>Bezeichnung der Erfindung</b> A47J 37/01			

Figure 20: Form DE2007E: applicants, representatives and address for correspondence

[PDF de-request.pdf page 2]

(11) Anlagen	<b>Anlagen (Dateien)</b> ② <input checked="" type="checkbox"/> 1. Vertretervollmacht: powerofagent-1.pdf powerofagent-2.pdf <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e): <input checked="" type="checkbox"/> 3. Patentspezifikation: DESC.pdf CLMS.pdf ABST.pdf (Schutzzansprüche, Beschreibung, Zeichnungen) (ggf. mit Zeichnung Fig. 2) Anzahl der Schutzzansprüche: 20	<input checked="" type="checkbox"/> 4. 2 Zeichnung(en): drawing-1.tif drawing-1.pdf drawing-1.jpg <input type="checkbox"/> 5. Abschrift der Voranmeldung: <input checked="" type="checkbox"/> 6. Zitierte Nichtpatentliteratur: nonpatentlit-1.pdf <input checked="" type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV: biosequence.xml <input checked="" type="checkbox"/> 8. Einzugsermächtigung (A9507e): directdebit.xml <input checked="" type="checkbox"/> 9. Sonstiges: other-1.jpg	(12) Unterschriften  (13) Funktion des Unterzeichners
<b>Nur von der elektronischen Dokumentenannahme auszufüllen</b>			
<input type="checkbox"/> Bei Einzugsermächtigung: A9507e bzw. Doppel an Referat 4.2.1. - Zahlungsverkehr - gesandt. <input type="checkbox"/> Die genannten Anlagen sind vollständig eingegangen. <input type="checkbox"/> Folgende o.a. Anlagen fehlen:			
P 2007e 01.05			

Figure 21: Form DE2007E: Vertretervollmacht (authorisation) attached for representative 1 and 2

**PDF inventor.pdf**

Erfinder	
①	Vor- und Zuname <b>24</b> Herr Thomas Kleber Privatanschrift Neulandstraße 125 85634 Garching b. München DE <input checked="" type="checkbox"/> Erfinder stellt Antrag auf Nichtnennung (§ 63 Abs.1 S. 3 PatG)
②	Vor- und Zuname <b>25</b> Herr Bruno Bäcker Privatanschrift Untere Burgstraße 20 91567 Nürnberg DE <input type="checkbox"/> Erfinder stellt Antrag auf Nichtnennung (§ 63 Abs.1 S. 3 PatG)
<p><b>Das Recht auf das Patent ist auf den Anmelder übergangen durch:</b> (z.B. Erfinder ist/sind d. Anmelder, Inanspruchnahme aufgrd. §§ 6 u. 7 ArbnErfG, Kaufvertrag mit Angabe des Datums, Erbschaft usw.)</p> <p>Erfinder ist/sind Arbeitnehmer; <b>27</b></p>	

Figure 22: Erfinder (designation of inventors): inventor 1 and inventor 2, acquisition of rights by applicant

#### 4.4.3 Namen (names) - Example 3: applicant (legal), extra address for correspondence, inventor

This example demonstrates some special details for legal applicants and inventors.

##### GUI DE(2007E), Namen (names) tab - applicant, legal

EPO Online-Einreichung beim EPA - DE2007E (Annex F) - 2007\_XML\_3

Datei Bearbeiten Ansicht Hilfsmittel Fenster Hilfe

DE2007E (Annex F) - Entwurf - 2007\_XML\_3 Zuletzt gespeichert am 11.12.2008

Antrag	Namen	Priorität	Anhang	Gebühren
--------	-------	-----------	--------	----------

**Anmelder** (1)  
2 Innovation GmbH  
Vertreter  
Zustellanschrift (8)  
Erfinder (9)  
10 Bäcker, Bruno

Firma: (3) Innovation GmbH  
Abteilung: (4) Erfindungen  
Anmeldercode-Nr.: (5) 10098877234  
Straße, Nr.: Neulandstraße 125 Telefon: +49 89 1277 880  
Postleitzahl: 85634 Fax: +49 89 1277 8822  
Ort: Garching bei München E-Mail: post@innovation-gmbh.de  
Land: DE Deutschland  
 Als Zustellanschrift verwenden  
Handelsregister Nr.: (6) 110220 Beim Amtsgericht München (7)

Angemeldet als Administrator

Figure 23: Namen (names) GUI: applicant, legal, with trade register number for Germany

##### GUI DE(2007E), Namen (names) tab - inventor data

Das Recht auf das Patent ist auf den/die Anmelder übergegangen durch (Eingabe für alle Erfinder):  
12 Vertrag vom 18.11.2008  
11  Erfinder ist/sind Arbeitnehmer

Name:	Bäcker	Namenszusatz:	
Vorname:	Bruno	Anrede:	Herr

9  
10 Bäcker, Bruno

Figure 24: Namen (names) GUI: inventor is employee of applicant

### Element list

- (1) *Anmelder* (applicants group)
- (2) *Anmelder 1* (applicant 1)
- (3) *Firma* (company)
- (4) *Abteilung* (department)
- (5) *Anmeldercode-Nr.* (registration number)
- (6) *Handelsregister Nr.* (German trade register number)
  - Available for legal applicants only.
- (7) *Amtsgericht* (German local court)
  - Available for legal applicants only.
- (8) *Zustellanschrift* (address for correspondence)
  - The address is contained in an `<addressbook>` element as shown for applicant.
- (9) *Erfinder* (inventors group)
- (10) *Erfinder 1* (inventor 1)
- (11) *Erfinder ist/sind Arbeitnehmer* (inventor is employee of applicant)
- (12) *Das Recht auf das Patent ist auf den/die Anmelder übergegangen durch* (the applicant has acquired the right to the patent as follows) - extra text entry

**XML de-request.xml**

```

4   <file-reference-id>2007_XML_3</file-reference-id>
5   <request-petition/>
6   <invention-title>Niedrigtemperatur-Backform</invention-title>
7   <parties corent="corsp"> 8
8     1 <applicants group="no">
9       2 <applicant sequence="1" designation="as-indicated" app-type="applicant">
10      <addressbook lang="de">
11        3 <orgname>Innovation GmbH</orgname>
12        <department>Erfindungen</department> 4
13        5 <registered-number>10098877234</registered-number>
14        <address>
15          <street>Neulandstra e 125</street>
16          <city>Garching bei M nchen</city>
17          <postcode>85634</postcode>
18          <country>DE</country>
19        </address>
20        <phone>+49 89 1277 880</phone>
21        <fax>+49 89 1277 8822</fax>
22        <email>post@innovation-gmbh.de</email>
23        <treg-number>110220</treg-number>
24        <court>M nchen</court>
25      </addressbook>
26      <nationality>
27      <residence>
28    </applicant>
29  </applicants>
30  <inventors group="no" ueberrecht="Erfinder ist/sind Arbeitnehmer; Vertrag vom 18.11.2008">
31    9 <inventor sequence="1" designation="as-indicated" renunciation="no">
32      <addressbook lang="de">
33        </inventor>
34      </inventors>
35      <correspondence-address>
36        <addressbook lang="de"> 8
37      </correspondence-address>
38    </parties>
39    <check-list>
40    <figure-to-publish>
41    <de-office-specific-data>
42  </request>
43
44
45
46
47
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49
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51
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54
55
56
57
58
59
60
61
62
63
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```

Figure 25: de-request.xml: applicant, inventor, and address for correspondence

**PDF de-request.pdf**

An das Deutsche Patent- und Markenamt 80297 München		DEUTSCHES PATENT- UND MARKENAMT	
(1) In der Anschrift Straße, Haus-Nr. und ggf. Postfach angeben	Sendungen des Deutschen Patent- und Markenamts sind zu richten an:  Meyer und Partner ⑧ Neue Technologie Opernplatz 4b  80331 München DE	<b>Antrag auf Erteilung eines Patents</b>	<b>1</b>
Vordruck nicht für PCT -Verfahren verwenden		Aktenzeichen (wird vom Deutschen Patent- und Markenamt vergeben)	
(2)	Zeichen des Anmelders/Vertreters (max. 20 Stellen) 2007 XML_3	Telefon des Anmelders/Vertreters	Datum +49 89 1277 880 11.12.2008
(3)	Der Empfänger in Feld (1) ist der: <input type="checkbox"/> Anmelder ⑧ <input checked="" type="checkbox"/> Vertreter Zustellungsbevollmächtigte	ggf. Nr. der Allgemeinen Vollmacht	
ausweichen abweichen von Feld 4	<b>Anmelder</b> (Name und Anschrift - kein Postfach! -) Innovation GmbH Erfindungen Neulandstraße 125 85634 Garching bei München DE	<b>Vertreter</b> (Name und Anschrift)	
Handelsregi- ster- nummer nur bei Firmen anzugeben (5) soweit bekannt (6)	<input checked="" type="checkbox"/> Der Anmelder ist eingetragen im Handelsregister Nr. 110220 beim Amtsgericht München		
	⑤ Anmeldercode-Nr. 10098877234	Vertretercode-Nr.	Zustelladressen-Nr. 02
		<b>ABT</b>   <b>ERF</b>	
	<b>Bezeichnung der Erfindung</b>		
	A47J 37/01		

Figure 26: Form DE2007E: legal applicant and extra address for correspondence

**PDF inventor.pdf**

Erfinder	
① ⑨	Vor- und Zuname Herr Bruno Bäcker Privatanschrift Untere Burgstraße 20 91567 Nürnberg DE <input type="checkbox"/> Erfinder stellt Antrag auf Nichtnennung (§ 63 Abs.1 S. 3 PatG)
Das Recht auf das Patent ist <b>auf den Anmelder übergangen durch:</b> (z.B. Erfinder ist/sind d. Anmelder, Inanspruchnahme aufgrd. §§ 6 u. 7 ArbnErfG, Kaufvertrag mit Angabe des Datums, Erbschaft usw.)	
⑪	Erfinder ist/sind Arbeitnehmer; Vertrag vom 18.11.2008
⑫	

Figure 27: Erfinder (designation of inventors): inventor 1, acquisition of rights by applicant

## 4.5 DE(2007E) Priorität (priority)

The **Priorität** (priority) tab allows to enter all priority declarations. There is only one option to add a priority in the GUI which creates a national priority in the XML file.

### GUI DE(2007E) Priorität (priority)

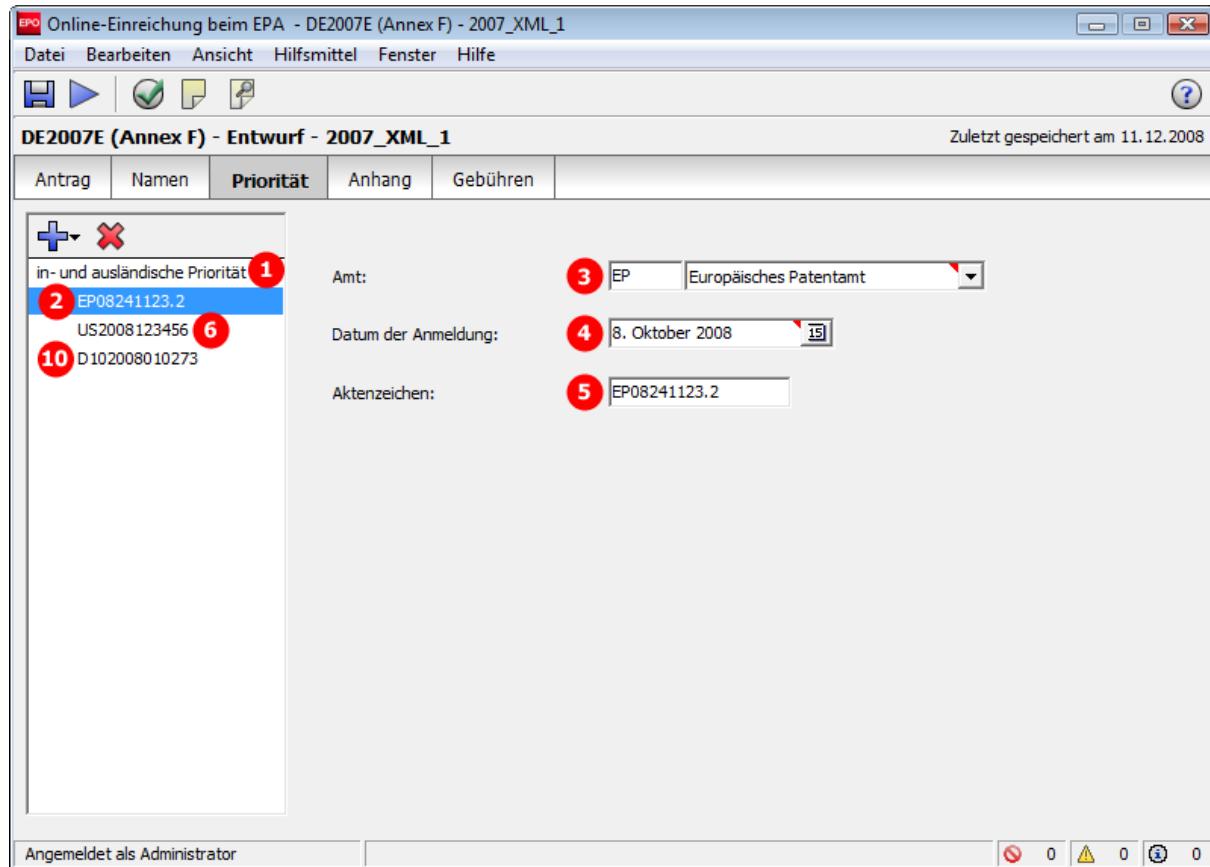


Figure 28: Priorität (priority) GUI: domestic and foreign priorities

### Element list

- (1) *in- und ausländische Priorität* (domestic and foreign priority)

The `<priority-claims>` element only exists if at least one priority is claimed.

The check-box for *Inländische Priorität* (domestic priority) in the PDF form is ticked if at least one priority for Germany (DE) is claimed.

The check-box for *Ausländische Priorität* (foreign priority) in the PDF form is ticked if at least one priority for another country (or region) is claimed.

- (2) *Priorität 1* (priority 1)

- (3) *Amt* (country for priority 1)

- (4) *Datum der Anmeldung* (date of priority 1)

- (5) *Aktenzeichen* (application number of priority 1)

- (6) *Priorität 2* (priority 2)

- (7) *Amt* (country for priority 2)

- (8) *Datum der Anmeldung* (date of priority 2)

- (9) *Aktenzeichen* (application number of priority 2)

- (10) *Priorität 3* (priority 3)

- (11) *Amt* (country for priority 3)

- (12) *Datum der Anmeldung* (date of priority 3)

- (13) *Aktenzeichen* (application number of priority 3)

## XML de-request.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE request SYSTEM "de-request-v1-3.dtd">
3 <request lang="de" dtb-version="1.0" produced-by="applicant" ro="DE" date-produced="11.12.2008">
4   <file-reference-id>2007_XML_1</file-reference-id>
5   <request-petition/>
6   <invention-title>Niedrigtemperatur-Backform</invention-title>
7   <parties corent="app">
8     <priority-claims>
9       <1> <priority-claim sequence="1" kind="national">
10      <country>EP</country> <2> <3>
11      <doc-number>EP08241123.2</doc-number>
12      <date>08.10.2008</date> <4>
13      </priority-claim>
14      <6> <priority-claim sequence="2" kind="national">
15        <country>US</country> <7> <9>
16        <doc-number>US2008123456</doc-number>
17        <date>02.09.2008</date> <8>
18        </priority-claim>
19      <10> <priority-claim sequence="3" kind="national">
20        <country>DE</country> <11>
21        <doc-number>D102008010273</doc-number>
22        <date>30.09.2008</date> <12>
23        </priority-claim>
24      </priority-claims>
25     <check-list total-page-count="10">
26       <figure-to-publish>
27       <de-office-specific-data>
28     </request>
```

*Figure 29: de-request.xml: priority claims*

PDF de-request.pdf

<p>(8) <b>Erklärungen</b></p> <p><input type="checkbox"/> <b>Teilung/Ausscheidung</b> aus der Patentanmeldung  <input checked="" type="checkbox"/> an <b>Lizenzvergabe</b> interessiert (unverbindlich)  <input checked="" type="checkbox"/> <b>Nachanmeldung im Ausland</b> beabsichtigt (unverbindlich)</p>	Aktenzeichen der Stammanmeldung
<p>(9) <b>1</b> <input checked="" type="checkbox"/> Inländische <b>Priorität</b> (Datum, Aktenzeichen der Voranmeldung)  <input checked="" type="checkbox"/> Ausländische <b>Priorität</b> (Datum, Land, Aktenz. der Voranmeldung; vollständige <b>Abschrift(en)</b> der ausländischen <b>Voranmeldung(en)</b> beifügen)</p>	
<p><b>2</b> 08.10.2008, EP, EP08241123.2    <b>4</b> <b>3</b> <b>5</b>  <b>6</b> 02.09.2008, US, US2008123456    <b>8</b> <b>7</b> <b>9</b>  <b>10</b> 30.09.2008, DE, D102008010273</p>	
<p><b>12</b> <b>11</b> <b>13</b></p>	

*Figure 30: Form DE2007E: list of priority claims*

## 4.6 DE(2007E) Anhang (documents)

All documents for patent applications to the DPMA must be in German. The attachments are referenced in the **de-request.xml** file and also in the **package-data.xml** file. If the patent specification is attached in XML format, the original XML file is renamed to **specification.xml**. Graphic files that are referenced in the **specification.xml** file are then also referenced both in the **de-request.xml** file and **package-data.xml** file.

- ① Please note: Authorisations for representatives are attached in the **Namen (names) tab** (see "Namen (names) - Example 2: multiple applicants, multiple representatives, multiple inventors" p. 25).

Options for attachments:

- ◆ *Gesamte Spezifikation in PDF* (complete specification in one PDF file)
- ◆ *Einzelne Teile der Spezifikation in PDF* (specification in multiple PDF files)
- ◆ *Spezifikation in XML* (specification in XML file)
- ◆ *(zusätzliche) Zeichnungen* ((additional) drawings)
- ◆ *Kopie der Voranmeldung* (copy of priority document)
- ◆ *Nichtpatentliteratur* (non-patent literature)
- ◆ *Sequenzprotokoll* (sequence listing)
- ◆ *Sonstiges* (other documents)

For file names and formats see the list in **Document codes and file types for DE(2007E)** (S. 14).

All attached documents must be compliant to **Annex F** (see "Annex F rules for documents and files" p. 67).

For more information about preparing documents for attachment and patent specifications in XML format, see the document "Anleitung für das Verfahren DE2007E (Annex F)", available from the Download Centre of the **EPO Online Services website** (<http://www.epoline.org>).

#### 4.6.1 Anhang (documents) - Example 1: specification in one PDF file

##### GUI DE(2007E) Anhang (documents) tab

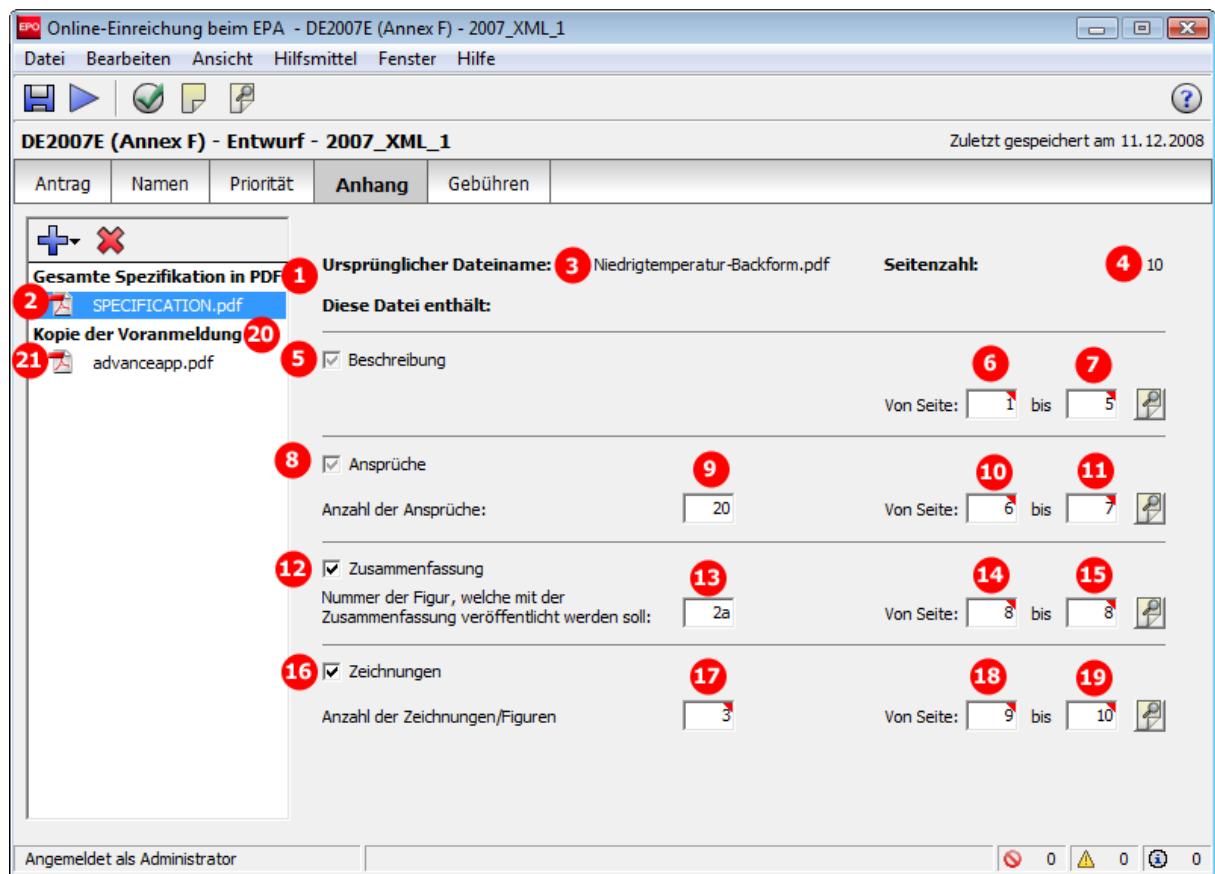


Figure 31: Anhang (documents) GUI: specification attached as PDF file

### Element list

- (1) *Gesamte Spezifikation in PDF* (specification in one PDF file)
- (2) DPMA standard file name for specification
- (3) *Ursprünglicher Dateiname* (applicant's original file name of specification)
- (4) *Seitenzahl* (number of pages in SPECIFICATION.pdf file)
- (5) *Beschreibung* (description is part of PDF file)
- (6) First page of description in PDF file
- (7) Last page of description in PDF file
  - (the value for `page-count` is calculated from `ppf` and `pp1`)
- (8) *Ansprüche* (claims are part of PDF file)
- (9) *Anzahl der Ansprüche* (number of claims)
- (10) First page of claims in attached document
- (11) Last page of claims in attached document
  - (the value for `page-count` is calculated from `ppf` and `pp1`)
- (12) *Zusammenfassung* (abstract is part of PDF file)
- (13) *Nummer der Zeichnung, welche mit der Zusammenfassung veröffentlicht werden soll* (figure to be published with abstract)
- (14) First page of abstract in attached document
- (15) Last page of abstract in attached document
  - (the value for `page-count` is calculated from `ppf` and `pp1`)
- (16) *Zeichnungen* (drawings are part of PDF file)
- (17) *Anzahl der Zeichnungen/Figuren* (number of drawings)
- (18) First page of drawings in attached document
- (19) Last page of drawings in attached document
- (20) *Kopie der Voranmeldung* (copy of priority application)
- (21) DPMA standard file name for *Kopie der Voranmeldung*
- (22) *Ursprünglicher Dateiname* (applicant's original file name of *Kopie der Voranmeldung*)
- (23) *Erfinderbenennung* (designation of inventors)
- (24) DPMA standard file name for *Kopie der Voranmeldung*

**XML de-request.xml**

```

5   <request-petition/>
6   <invention-title>Niedrigtemperatur-Backform</invention-title>
7   <parties corent="app">
56  <priority-claims> 4
73  <check-list total-page-count="10"> 6 7
74  <cl-description page-count="5" ppf="1" ppl="5"/> 5 9 10 11
75  <cl-claims claims-number="20" page-count="2" ppf="6" ppl="7"/> 8 14 15
76  <cl-abstract page-count="1" ppf="8" ppl="8"/> 12 17
77  <cl-drawings fig-count="3"/> 16 21
78  <cl-other-document page-count="4">advanceapp.pdf</cl-other-document>
79  </check-list>
80  <figure-to-publish>
81  <fig-number>2a</fig-number> 13
82  </figure-to-publish>
83  <de-office-specific-data>
84  <miipcnr>A47J 37/01</miipcnr>
85  <statemnt>
86  <deaddapl>
95  <mipymgr payopt="invoice">
110 <de-electronic-files>
111 <de-electronic-file docType="P2007e">
112 <applicant-file-name/>
113 <de-file-name>de-request.pdf</de-file-name>
114 </de-electronic-file>
115 <de-electronic-file docType="P2792"> 23
116 <applicant-file-name/>
117 <de-file-name>inventor.pdf</de-file-name> 24
118 </de-electronic-file>
119 <de-electronic-file docType="1060"> 1
120 <applicant-file-name>Niedrigtemperatur-Backform.pdf</applicant-file-name> 3
121 <de-file-name>SPECIFICATION.pdf</de-file-name> 2
122 </de-electronic-file>
123 <de-electronic-file docType="P1030"> 20
124 <applicant-file-name>Kopie Voranmeldung.pdf</applicant-file-name> 22
125 <de-file-name>advanceapp.pdf</de-file-name> 21
126 </de-electronic-file>
127 </de-electronic-files>
128 </de-office-specific-data>
129 </request>

```

Figure 32: de-request.xml: check-list with page numbers and electronic files

### XML package-data.xml

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!DOCTYPE package-data SYSTEM "package-data.dtd">
3  <package-data lang="de" dtd-version="1.0" produced-by="applicant">
4  <transmittal-info>
11 <signatories>
21 <application-request file="de-request.xml"/>
22 <other-documents>
23 <other-doc file="de-request.pdf" file-type="pdf">
24   <document-name>2007E</document-name>
25   <dtext/>
26 </other-doc>
27 <other-doc file="de-request.xml" file-type="xml">
28   <document-name>REQXML</document-name>
29   <dtext/>
30 </other-doc>
31 <other-doc file="inventor.pdf" file-type="pdf"> 24
32   <document-name>P2792</document-name> 23
33   <dtext/>
34 </other-doc>
35 <other-doc file="SPECIFICATION.pdf" file-type="pdf"> 2
36   <document-name>1060</document-name> 1
37   <dtext></dtext>
38 </other-doc>
39 <other-doc file="advanceapp.pdf" file-type="pdf"> 21
40   <document-name>P1030</document-name> 20
41   <dtext></dtext>
42 </other-doc>
43 </other-documents>
44 </package-data>

```

Figure 33: package-data.xml: documents attached

### PDF de-request.pdf

<p>(11) Anlagen</p> <p><b>Anlagen (Dateien)</b></p> <p> <input type="checkbox"/> 1. Vertretervollmacht:  <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e):  <input checked="" type="checkbox"/> 3. Patentspezifikation: SPECIFICATION.pdf  <small>(Schutzansprüche, Beschreibung, Zeichnungen)</small>  <small>(ggf. mit Zeichnung Fig. 2a)</small>  <small>Anzahl der Schutzansprüche: 20</small> 13  <input type="checkbox"/> 9         </p> <p> <input type="checkbox"/> 4. 3 Zeichnung(en):  <input checked="" type="checkbox"/> 5. Abschrift der Voranmeldung: advanceapp.pdf 21  <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur:  <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV:  <input type="checkbox"/> 8. Einzugsermächtigung (A9507e):  <input type="checkbox"/> 9. Sonstiges:         </p> <p>(12) Unterschriften</p> <p>(13) Funktion des Unterzeichners</p> <p><b>Nur von der elektronischen Dokumentenannahme auszufüllen</b></p> <p> <input type="checkbox"/> Bei Einzugsermächtigung: A9507e bzw. Doppel an Referat 4.2.1. - Zahlungsverkehr - gesandt.  <input type="checkbox"/> Die genannten Anlagen sind vollständig eingegangen.  <input type="checkbox"/> Folgende o.a. Anlagen fehlen:         </p> <p>P 2007e 01.05</p>
--

- Seite 1 -

Figure 34: Form DE2007E: list of attached documents (Anlagen)

#### 4.6.2 Anhang (documents) - Example 2: specification in multiple PDF files plus other documents

Description, claims, abstract, drawings and other documents are attached one by one as separate PDF, TIF, JPG, TXT or XML files.

##### GUI DE(2007E) Anhang (documents) tab, PDF documents

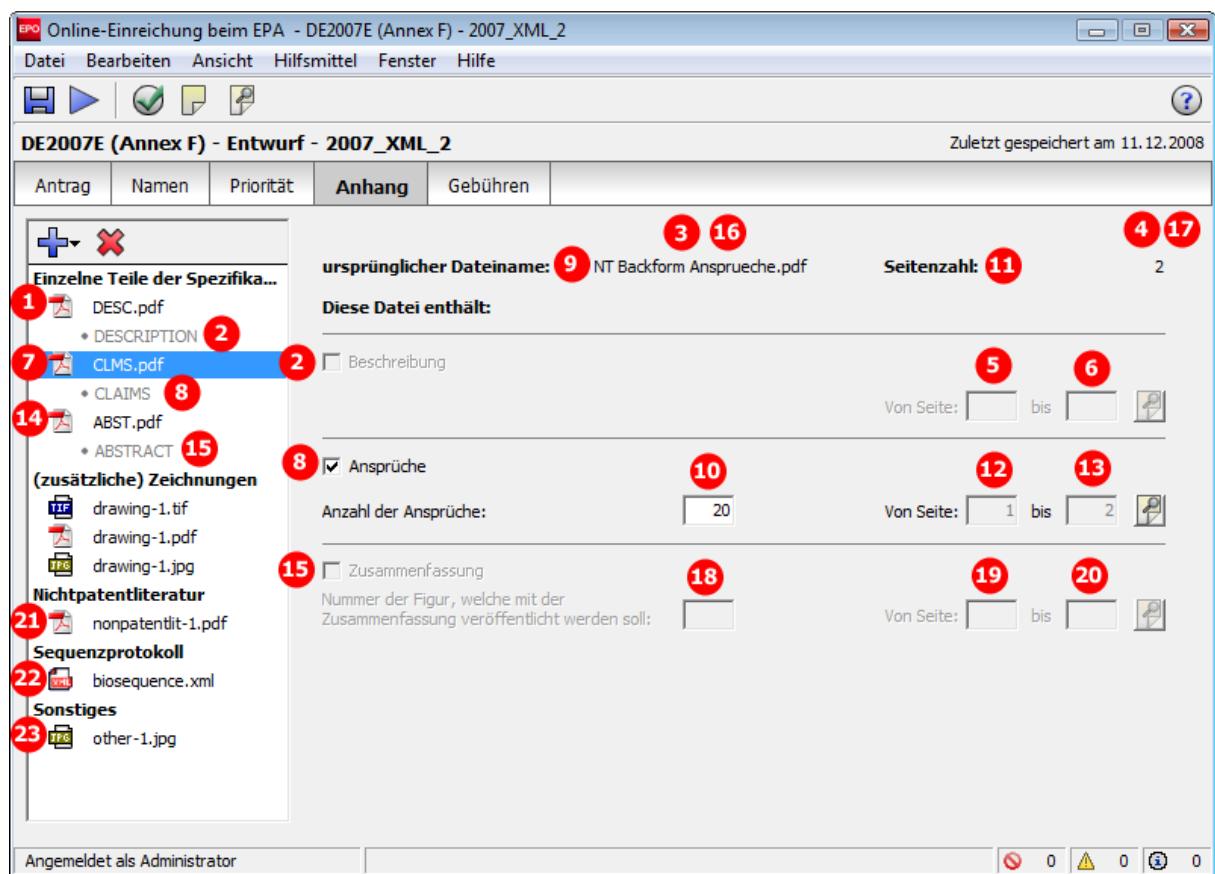


Figure 35: Anhang (documents) GUI: PDF files attached for description, claims, abstract and other documents

### GUI DE(2007E) Anhang (documents) tab, drawings

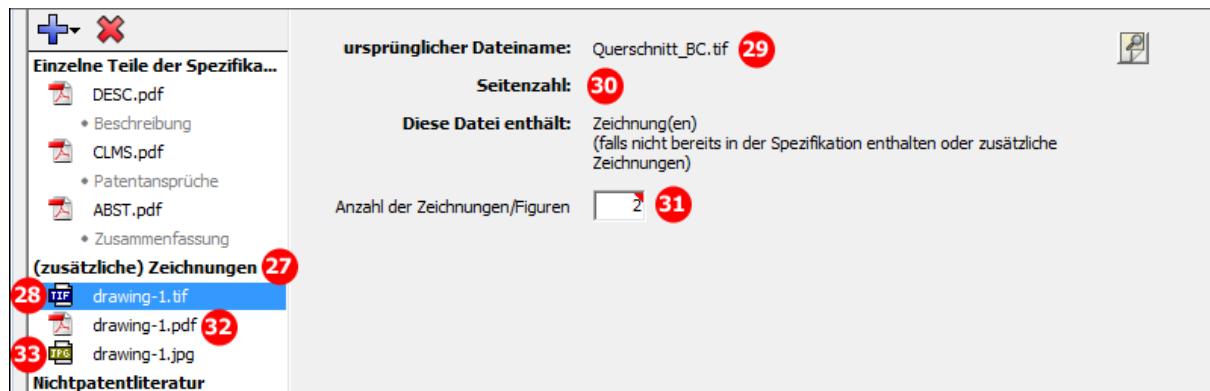


Figure 36: Anhang (documents) GUI: drawings attached

#### Element list

- (1) DPMA file name for description
- (2) *Beschreibung* (description)
- (3) *Ursprünglicher Dateiname* (original file name for description, shows in GUI when DESC.pdf is selected)
- (4) *Seitenzahl* (page count for description, shows in GUI when DESC.pdf is selected)  
(the value for `page-count` is calculated from `ppf` and `pp1`)
- (5) First page of description in attached document
- (6) Last page of description in attached document
- (7) DPMA file name for claims
- (8) *Ansprüche* (claims)
- (9) *Anzahl der Ansprüche* (number of claims)
- (10) *Ursprünglicher Dateiname* (original file name for claims)
- (11) *Seitenzahl* (page count for claims)  
(the value for `page-count` is calculated from `ppf` and `pp1`)
- (12) First page of claims in attached document
- (13) Last page of claims in attached document
- (14) DPMA file name for abstract
- (15) *Zusammenfassung* (abstract)
- (16) *Ursprünglicher Dateiname* (original file name for abstract, shows in GUI when ABST.pdf is selected)
- (17) *Seitenzahl* (page count for abstract, shows in GUI when ABST.pdf is selected)  
(the value for `page-count` is calculated from `ppf` and `pp1`)

- (18) *Nummer der Zeichnung, welche mit der Zusammenfassung veröffentlicht werden soll* (figure to be published with abstract)
- (19) First page of abstract in attached document
- (20) Last page of abstract in attached document
- (21) DPMA file name for *Nichtpatenliteratur* (non patent literature)
- (22) DPMA file name for *Sequenzprotokoll* (sequence listing)
- (23) DPMA file name for *Sonstiges* (other document)
- (24) DPMA **fileType** (in de-request.xml) and <document-name> (in package-data.xml) for *Nichtpatenliteratur* (non patent literature)
- (25) DPMA **fileType** (in de-request.xml) and <document-name> (in package-data.xml) for *Sequenzprotokoll* (sequence listing)
- (26) DPMA **fileType** (in de-request.xml) and <document-name> (in package-data.xml) for *Sonstiges* (other document)
- (27) DPMA **fileType** (in de-request.xml) and <document-name> (in package-data.xml) for *Zeichnungen* (drawings)
- (28) DPMA file name for drawings in TIF format
- (29) *Ursprünglicher Dateiname* (original file name of drawings in TIF format)
- (30) *Seitenzahl* (page count of drawings, takes the value **-1** if there are no countable pages like in TIF or JPG graphic files)
- (31) *Anzahl der Zeichnungen/Figuren* (number of drawings)
- (32) DPMA file name for drawings in PDF format
- (33) DPMA file name for drawings in JPG format

**XML de-request.xml**

```

141 <check-list>
142   2 <cl-description page-count="7" ppt="1" ppl="7"/> 4 5 6
143   8 <cl-claims claims-number="20" page-count="2" ppt="1" ppl="2"/> 10 11 12 13
144   15 <cl-abstract page-count="1" ppt="1" ppl="1"/> 17 19 20
145   31 <cl-drawings fig-count="2"/>
146     <cl-other-document page-count="2">powerofagent-1.pdf</cl-other-document>
147     <cl-other-document page-count="2">powerofagent-2.pdf</cl-other-document>
148     30 <cl-other-document page-count="1">drawing-1.tif</cl-other-document> 28
149     32 <cl-other-document page-count="3">drawing-1.pdf</cl-other-document>
150     <cl-other-document page-count="1">drawing-1.jpg</cl-other-document> 33
151     21 <cl-other-document page-count="2">nonpatentlit-1.pdf</cl-other-document>
152     <cl-other-document page-count="1">biosequence.xml</cl-other-document> 22
153     23 <cl-other-document page-count="1">other-1.jpg</cl-other-document>
154   </check-list>
155   <figure-to-publish>
156     <fig-number>2</fig-number> 18
157   </figure-to-publish>
158   <de-office-specific-data>
159     <miipcnr>A47J 37/01</miipcnr>
160   <statement>
161   <deadadpl>
162   <mipymgr payopt="debit">
163   <de-electronic-files>
164     <de-electronic-file docType="P2007e">
165     <de-electronic-file docType="P2792">
166     <de-electronic-file docType="A9507">
167     <de-electronic-file docType="A9507.1">
168     <de-electronic-file docType="P1000" number="1">
169     <de-electronic-file docType="P1000" number="2">
210     2 <de-electronic-file docType="1090">
211       <applicant-file-name></applicant-file-name> 3
212     1 <de-file-name>DESC.pdf</de-file-name>
213   </de-electronic-file>
214     8 <de-electronic-file docType="1080">
215       <applicant-file-name>NT Backform Ansprueche.pdf</applicant-file-name> 9
216     7 <de-file-name>CLMS.pdf</de-file-name>
217   </de-electronic-file>
218     15 <de-electronic-file docType="1070">
219       <applicant-file-name>NT Backform Zusammenfassung.pdf</applicant-file-name> 16
220     14 <de-file-name>ABST.pdf</de-file-name>
221   </de-electronic-file>
222     27 <de-electronic-file docType="P1020">
223       <applicant-file-name>Querschnitt_BC.tif</applicant-file-name> 29
224     28 <de-file-name>drawing-1.tif</de-file-name>
225   </de-electronic-file>
226     <de-electronic-file docType="P1020">
227     <de-electronic-file docType="P1020">
228     <de-electronic-file docType="P1040">
229     <de-electronic-file docType="P1050"> 25
226     24 <de-electronic-file docType="P10000">
227     </de-electronic-files>
228   </de-office-specific-data>
229   </request>

```

Figure 37: de-request.xml: check-list with attached documents and electronic file names

**XML package-data.xml**

```

2   <!DOCTYPE package-data SYSTEM "package-data.dtd">
3   <package-data lang="de" dtd-version="1.0" produced-by="applicant">
4     <transmittal-info>
11    <signatories>
21      <application-request file="de-request.xml"/>
22    <other-documents>
23      <other-doc file="de-request.pdf" file-type="pdf">
27      <other-doc file="de-request.xml" file-type="xml">
31      <other-doc file="directdebit.pdf" file-type="pdf">
35      <other-doc file="directdebit.xml" file-type="xml">
39      <other-doc file="inventor.pdf" file-type="pdf">
43      <other-doc file="DESC.pdf" file-type="pdf"> ①
44        <document-name>1090</document-name> ②
45        <dtext></dtext>
46      </other-doc>
47      <other-doc file="CLMS.pdf" file-type="pdf"> ⑦
48        <document-name>1080</document-name> ⑧
49        <dtext>20</dtext> ⑩
50      </other-doc>
51      <other-doc file="ABST.pdf" file-type="pdf"> ⑭
52        <document-name>1070</document-name> ⑮
53        <dtext>2</dtext> ⑯
54      </other-doc>
55      <other-doc file="drawing-1.tif" file-type="tif">
56        <document-name>P1020</document-name> ⑯
57        <dtext></dtext>
58      </other-doc>
59      <other-doc file="drawing-1.pdf" file-type="pdf"> ⑳
60        <document-name>P1020</document-name> ⑯
61        <dtext></dtext>
62      </other-doc>
63      <other-doc file="biosequence.xml" file-type="xml">
64        <document-name>P1050</document-name> ⑰
65        <dtext></dtext>
66      </other-doc>
67      <other-doc file="nonpatentlit-1.pdf" file-type="pdf">
68        <document-name>P1040</document-name> ⑲
69        <dtext></dtext>
70      </other-doc>
71      <other-doc file="drawing-1.jpg" file-type="jpg">
75      <other-doc file="other-1.jpg" file-type="jpg"> ⑳
76        <document-name>P10000</document-name> ⑳
77        <dtext></dtext>
78      </other-doc>
79      <other-doc file="powerofagent-1.pdf" file-type="pdf">
83      <other-doc file="powerofagent-2.pdf" file-type="pdf">
87    </other-documents>
88  </package-data>

```

Figure 38: package-data.xml: attachment with system file names and document names

**PDF de-request.pdf**

{11} Anlagen		<b>Anlagen (Dateien)</b>				
		<input checked="" type="checkbox"/> 1. Vertretervollmacht: powerofagent-1.pdf powerofagent-2.pdf	<input checked="" type="checkbox"/> 2. Erfinderbenennung (P. 1 : 7)	<input checked="" type="checkbox"/> 3. Patentspezifikation: DESC.pdf CLMS.pdf ABST.pdf (Schutzzansprüche, Beschreibung, Zeichnungen) (ggf. mit Zeichnung Fig. 2)	<input checked="" type="checkbox"/> 4. 2 Zeichnung(en): drawing-1.tif drawing-1.pdf drawing-1.jpg	<b>28</b>
				<input type="checkbox"/> 5. Abschrift der Voranmeldung:		
				<input checked="" type="checkbox"/> 6. Zitierter Nichtpatentliteratur: nonpatentlit-1.pdf	<b>21</b>	
				<input checked="" type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV: biosequence.xml	{12} Unterschriften	
				<input checked="" type="checkbox"/> 8. Einzugsermächtigung (A9507e): directdebit.xml	<b>22</b> Funktion des Unterzeichners	
				<input checked="" type="checkbox"/> 9. Sonstiges: other-1.jpg	<b>23</b>	
<b>Nur von der elektronischen Dokumentenannahme auszufüllen</b>						
<input type="checkbox"/> Bei Einzugsermächtigung: A9507e bzw. Doppel an Referat 4.2.1. - Zahlungsverkehr - gesandt.						
<input type="checkbox"/> Die genannten Anlagen sind vollständig eingegangen.						
<input type="checkbox"/> Folgende o.a. Anlagen fehlen:						
P 2007e 01.05						

Figure 39: Form DE2007E: Anlagen (documents) with system file names

#### 4.6.3 Anhang (documents) - Example 3: specification in XML file

The XML file containing the patent specification has to be structured following the rules in the `application-body.dtd`.

##### GUI DE(2007E) Anhang (documents) tab

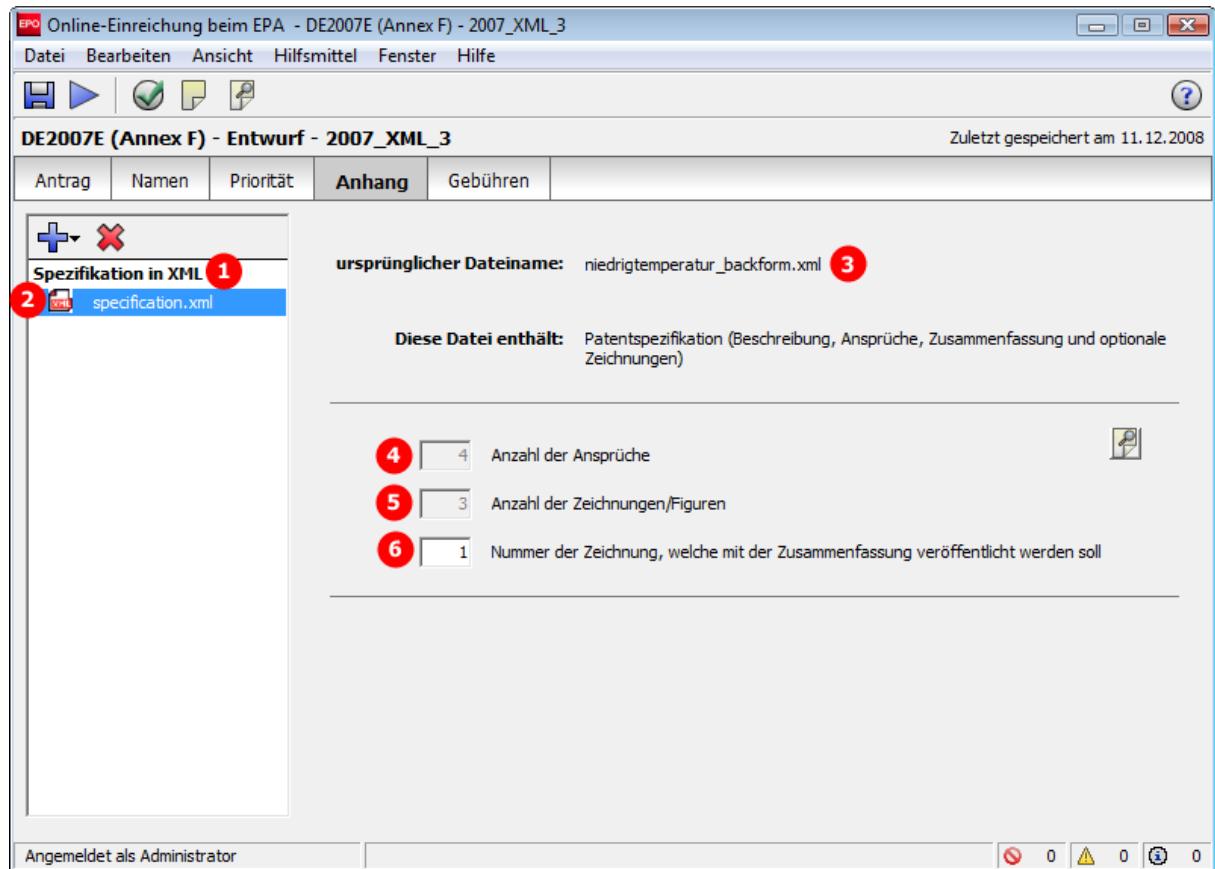


Figure 40: Anhang (documents) GUI: specification attached in XML format

### Element list

- (1) DPMA **fileType** (in de-request.xml) and <document-name> (in package-data.xml) for *Spezifikation in XML* (specification in xml) - note the different values
- (2) DPMA system file name for specification
- (3) *Ursprünglicher Dateiname* (original file name of specification)
- (4) *Anzahl der Ansprüche* (number of claims)
- (5) *Anzahl der Zeichnungen/Figuren* (number of drawings)
- (6) *Nummer der Zeichnung, welche mit der Zusammenfassung veröffentlicht werden soll* (figure to be published with abstract)
- (7) DPMA **fileType** (in de-request.xml) and <document-name> (in package-data.xml) for *Zeichnung* (linked drawing in TIF or JPG format)
- (8) DPMA system file name for linked drawing
- (9) DPMA **fileType** (in de-request.xml) and <document-name> (in package-data.xml) for system generated specification PDF file - note the different values
- (10) DPMA system file name for system generated specification PDF file

### XML de-request.xml

```

75 <check-list>
76   <cl-claims claims-number="4"/> ④
77   <cl-drawings fig-count="3"/> ⑤
78 </check-list>
79 <figure-to-publish>
80   <fig-number>1</fig-number> ⑥
81 </figure-to-publish>
82 <de-office-specific-data>
83   <miipcnr>A47J 37/01</miipcnr>
84 <statemnt>
85 <deadapl>
86 <mipymgr payopt="debit">
87 <de-electronic-files>
88   <de-electronic-file docType="P2007e">
89     <de-electronic-file docType="P2792">
90       <de-electronic-file docType="A9507">
91         <de-electronic-file docType="A9507.2">
92           <de-electronic-file docType="P1010">
93             ① <applicant-file-name>niedrigtemperatur_backform.xml</applicant-file-name> ③
94               ② <de-file-name>specification.xml</de-file-name>
95             </de-electronic-file>
96             ⑦ <de-electronic-file docType="PATXMLTIF">
97               <applicant-file-name></applicant-file-name>
98                 ⑧ <de-file-name>imgf0001.tif</de-file-name>
99               </de-electronic-file>
100              <de-electronic-file docType="PATXMLTIF">
101                <applicant-file-name></applicant-file-name>
102                  <de-file-name>imgf0002.tif</de-file-name>
103                </de-electronic-file>
104                <de-electronic-file docType="PATXMLTIF">
105                  <applicant-file-name></applicant-file-name>
106                    <de-file-name>imgf0003.tif</de-file-name>
107                  </de-electronic-file>
108                <de-electronic-file docType="P1010e">
109                  <applicant-file-name/>
110                    ⑩ <de-file-name>specification.pdf</de-file-name>
111                  </de-electronic-file>
112                </de-electronic-files>
113              </de-office-specific-data>
114            </request>

```

Figure 41: de-request.xml: specification in XML format with linked TIF images attached

### XML package-data.xml

```

11 <signatories>
21   <application-request file="de-request.xml"/>
22   <application-body-doc file="specification.xml"/> ②
23   <other-documents>
24     <other-doc file="imgf0001.tif" file-type="tif"> ⑧
25       <document-name>PATXMLTIF</document-name>
26         <dtext></dtext>
27       </other-doc>
28     <other-doc file="imgf0002.tif" file-type="tif">
29       <document-name>PATXMLTIF</document-name>
30         <dtext></dtext>
31       </other-doc>
32     <other-doc file="imgf0003.tif" file-type="tif">
33       <document-name>PATXMLTIF</document-name>
34         <dtext></dtext>
35       </other-doc>
36     <other-doc file="de-request.pdf" file-type="pdf">
37     <other-doc file="de-request.xml" file-type="xml">
44       <other-doc file="specification.pdf" file-type="pdf"> ⑩
45         <document-name>SPECPDF</document-name>
46           <dtext/>
47         </other-doc>
48       <other-doc file="directdebit.pdf" file-type="pdf">
49       <other-doc file="directdebit.xml" file-type="xml">
56       <other-doc file="inventor.pdf" file-type="pdf">
60       <other-doc file="specification.xml" file-type="xml"> ②
61         <document-name>P1010</document-name>
62           <dtext></dtext>
63         </other-doc>
64       </other-documents>
65     </package-data>

```

Figure 42: package-data.xml: specification.xml with linked TIF images attached

### PDF de-request.pdf

(11) <b>Anlagen</b> <b>Anlagen (Dateien)</b> <input type="checkbox"/> 1. Vertretervollmacht: <input checked="" type="checkbox"/> 2. Erfinderbezeichnung (P 2792e); ② <input checked="" type="checkbox"/> 3. Patentenspezifikation: specification.xml (Schutzzansprüche, Beschreibung, Zeichnungen) (ggf. mit Zeichnung Fig. 1) Anzahl der Schutzzansprüche: 4. ④	<input type="checkbox"/> 4. 3 Zeichnung(en): <input type="checkbox"/> 5. Abschrift der Voranmeldung: <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur: <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV: <input checked="" type="checkbox"/> 8. Einzugsermächtigung (A9507e): directdebit.xml <input type="checkbox"/> 9. Sonstiges:
(12) Unterschriften (13) Funktion des Unterzeichners	
<b>Nur vor der elektronischen Dokumentenannahme auszufüllen</b> <input type="checkbox"/> Bei Einzugsermächtigung: A9507e bzw. Doppel an Referat 4.2.1. - Zahlungsverkehr - gesandt. <input type="checkbox"/> Die genannten Anlagen sind vollständig eingegangen. <input type="checkbox"/> Folgende o.a. Anlagen fehlen:	
P 2007e 01.05	

Figure 43: Form DE2007E: Anlagen (documents)

## 4.7 DE(2007E) Gebühren (fee payment)

The fees are payable to the DPMA by either bank transfer or direct debit.

### directdebit.xml file

The payment information is contained in the **directdebit.xml** file if direct debit has been selected as mode of payment. The **directdebit.pdf** file provides the direct debit form to be signed by the account holder. If bank transfer is selected, there is no **directdebit.xml** file, only the total amount to be paid will appear in the **de-request.xml** file.

### Mode of payment

Payment options and account details are given in the **Zahlungsangaben** (payment details) tab. Depending on the choice for direct debit, Online Filing generates an A9507.1 form for one-time direct debit or an A9507.2 form for general authorisation of direct debit. This form has to be printed and signed manually and then sent to the DPMA by surface mail or fax in order to become legally binding.

### Account information

The data on the account holder is entered in the **Kontoinhaber/in** (account holder) tab. The account holder can be a legal or natural person. If bank transfer is selected as the mode of payment, the account holder is not required.

### Fee selection

The fees to be paid can be selected manually in the **Gebührenangaben** (fee selection) tab if either the option **Überweisung** (bank transfer) or the option **Einmal-Einzugsermächtigung** (one-time direct debit) is selected. If **Dauereinzugsermächtigung** (general authorisation of direct debit) is selected, the DPMA will collect the fees automatically according to the data in the patent application. The check-boxes for selection of fees are then disabled in the GUI.

- ⓘ You can find more information on the actual fees on the DPMA website under **Patents > Fees** (<http://www.dpma.de/english/patent/fees/index.html>).

#### 4.7.1 Gebührenangaben (fee selection)

The fee selection options are only available if **Überweisung** (bank transfer) or **Diese Einzugsermächtigung ist einmalig gültig ...** (one-time direct debit) is selected as **Zahlungsart** (mode of payment) in the **Zahlungsangaben** (payment details) tab.

This example demonstrates the data for **Einmal-Einzugsermächtigung** (one-time direct debit).

#### GUI DE(2007E) Gebühren (fee payment), Gebührenangaben (fee selection) sub-tab

Gebühr.../	Beschreibung	Betrag in EUR	Ermäßigung	Anzahl	Fälliger Betrag in EUR
<b>1</b> <input checked="" type="checkbox"/> <b>2</b> 311 000	Anmeldeverfahren (§ 34 PatG) - bei elektronischer Anmeldung	<b>3</b> 50,00	keine	1	<b>4</b> 50,00
<b>5</b> <input checked="" type="checkbox"/> <b>6</b> 311 200	Recherche (§ 43 PatG)	<b>7</b> 250,00	keine	1	<b>8</b> 250,00
<b>9</b> <input checked="" type="checkbox"/> <b>10</b> 311 300	Prüfungsverfahren (§ 44 PatG) - wenn ein Antrag nach § 43 PatG bereits gestellt worden ist	<b>11</b> 150,00	keine	1	<b>12</b> 150,00
<b>13</b> <input checked="" type="checkbox"/> <b>14</b> 311 400	Prüfungsverfahren (§ 44 PatG) - wenn ein Antrag nach § 43 PatG nicht gestellt worden ist	<b>15</b> 350,00	keine	1	<b>16</b> 350,00
<b>Summe:</b> (4 Gebühren) 800,00 EUR					

Figure 44: Gebühren (fees) GUI: selected fees for one-time direct debit

### Element list

- (1) Fee selected
- (2) *Gebührencode* 311 000 (fee code)
- (3) *Beschreibung* (description)
- (4) *Fälliger Betrag in EUR* (amount payable)
- (5) Fee selected
- (6) *Gebührencode* 311 200 (fee code)
- (7) *Beschreibung* (description)
- (8) *Fälliger Betrag in EUR* (amount payable)
- (9) Fee selected
- (10) *Gebührencode* 311 300 (fee code)
- (11) *Beschreibung* (description)
- (12) *Fälliger Betrag in EUR* (amount payable)
- (13) Fee selected
- (14) *Gebührencode* 311 400 (fee code)
- (15) *Beschreibung* (description)
- (16) *Fälliger Betrag in EUR* (amount payable)
- (17) *Summe* (total amount)
- (18) DPMA `fileType` (in de-request.xml) and `<document-name>` (in package-data.xml) for direct debit XML file - note the different values
- (19) DPMA system file name for direct debit XML file
- (20) DPMA `fileType` (in de-request.xml) and `<document-name>` (in package-data.xml) for system generated direct debit PDF file - note the different values
- (21) DPMA system file name for *Einmal-Einzugsermächtigung* Form A 9507.1

### XML de-request.xml

```
158 <de-office-specific-data>
159   <miipcnr>A47J 37/01</miipcnr>
160   <statemnt>
164   <deaddapl>
170   <mipymgr payopt="ddebit">
171     17 <deamount>800,00</deamount>
172     <pymmtyp/>
173     <decard>
178     <debnkac>
184   </mipymgr>
185   <de-electronic-files>
186     <de-electronic-file docType="P2007e">
190     <de-electronic-file docType="P2792">
194     18 <de-electronic-file docType="A9507">
195       <applicant-file-name/>
196       19 <de-file-name>directdebit.xml</de-file-name>
197     </de-electronic-file>
198     20 <de-electronic-file docType="A9507.1">
199       <applicant-file-name/>
200       21 <de-file-name>directdebit.pdf</de-file-name>
201     </de-electronic-file>
202   <de-electronic-file docType="P1000" number="1">
```

Figure 45: de-request.xml: fee amount and direct debit XML and PDF file

### XML package-data.xml

```
22   <other-documents>
23     <other-doc file="de-request.pdf" file-type="pdf">
27     <other-doc file="de-request.xml" file-type="xml">
31     21 <other-doc file="directdebit.pdf" file-type="pdf">
32       20 <document-name>DDEBITPDF</document-name>
33         <dtext>
34       </other-doc>
35     19 <other-doc file="directdebit.xml" file-type="xml">
36       18 <document-name>DDEBITXML</document-name>
37         <dtext>
38       </other-doc>
39     <other-doc file="inventor.pdf" file-type="pdf">
```

Figure 46: package-data.xml: direct debit PDF and XML file

### XML directdebit.xml

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!DOCTYPE debitform SYSTEM "dedda9507_v003.dtd">
3  <debitform date="11.12.2008" dedate="">
4  <intrefid>2007_XML_2</intrefid>
5  <accountholder>
6  <debnkac>
7  <deakzs>
8  <deakz type="pa">
9  <akz>
10 <fees amount="800,00">
11   <fee> 1 <feecode>311000</feecode>
12   <feeusage>Anmeldeverfahren (&#167; 34 PatG) - bei elektronischer Anmeldung</feeusage>
13   <feeamount>50,00</feeamount>
14   </fee>
15   <fee> 5 <feecode>311200</feecode>
16   <feeusage>Recherche (&#167; 43 PatG)</feeusage>
17   <feeamount>250,00</feeamount>
18   </fee>
19   <fee> 9 <feecode>311300</feecode>
20   <feeusage>Pr&#252;fungsverfahren (&#167; 44 PatG) - wenn ein Antrag nach &#167; 43 PatG bereits gestellt
21   worden ist</feeusage>
22   <feeamount>150,00</feeamount>
23   </fee>
24   <fee> 13 <feecode>311400</feecode>
25   <feeusage>Pr&#252;fungsverfahren (&#167; 44 PatG) - wenn ein Antrag nach &#167; 43 PatG nicht gestellt worden
26   ist</feeusage>
27   <feeamount>350,00</feeamount>
28   </fee>
29   </fees>
30   </deakzs>
31 </debitform>

```

Figure 47: directdebit.xml: fee codes, fee amounts and fee descriptions

### PDF de-request.pdf

(9)	<input type="checkbox"/> Inländische <b>Priorität</b> (Datum, Aktenzeichen der Voranmeldung) <input type="checkbox"/> Ausländische <b>Priorität</b> (Datum, Land, Aktenz. der Voranmeldung; vollständige <b>Abschrift(en)</b> der ausländischen Voranmeldung(en) beifügen)
(10)	Gebührenzahlung in Höhe von 800,00 EUR <b>17</b>
20	<input checked="" type="checkbox"/> <b>Einzugsermächtigung</b> elektr. Formular (A 9507e) ist beigelegt.
	<input type="checkbox"/> Überweisung (nach Erhalt der Empfangsbescheinigung)
Wird die Anmeldegebühr nicht innerhalb 3 Monaten nach dem Tag des Eingangs der Anmeldung gezahlt, so gilt die Anmeldung als zurückgenommen!	

Figure 48: Form DE2007E: Gebührenzahlung (fees)

**PDF directdebit.pdf**

<p>Ich/Wir ermächtige(n) die Bundeskasse Weiden für das Deutsche Patent- und Markenamt, folgende Beträge für das/die oben und ggf. im Beiblatt genannte(n) Schutzrecht(e)/Schutzrechtsanmeldung(en) bzw. für das Einspruchs-, Widerspruchs- oder Lösungsverfahren gegen das/die oben und ggf. im Beiblatt Schutzrecht(e) entsprechend den nachfolgenden Angaben zu Lasten meines/unseres Girokontos (In-landskonto) umgehend einzuziehen:</p>			
Gebührennummer	Verwendungszweck (z.B. Jahresgebühr)	Betrag (Euro)	
2 311000	3 Anmeldeverfahren (§ 34 PatG) - bei elektronischer Anmeldung	50,00	4
6 311200	7 Recherche (§ 43 PatG)	250,00	8
10 311300	11 Prüfungsverfahren (§ 44 PatG) - wenn ein Antrag nach § 43 PatG bereits gestellt worden ist	150,00	12
14 311400	15 Prüfungsverfahren (§ 44 PatG) - wenn ein Antrag nach § 43 PatG nicht gestellt worden ist	350,00	16
Gesamtbetrag:			800,00
			17
11.12.2008 Ort, Datum		elektronisch signiert Unterschrift des Kontoinhabers/Verfügungsberechtigten (bitte in Druckbuchstaben wiederholen, falls nicht Kontoinhaber)	
A 9507.1 1.04	Nur vom Ref. 4.2.1. - Zahlungsverkehr - auszufüllen: 1. Geprüft und Daten erfasst 2. Z.d.A.		

Figure 49: Form A9507.1: fee codes, fee amounts and fee descriptions, electronic signature

#### 4.7.2 Zahlungsangaben (payment details) - Example 1: bank transfer

This example demonstrates the data for **Überweisung** (bank transfer). There is no **directdebit.xml** file in this case. The DPMA will send an invoice to the applicant after the application has been filed. The total amount of fees to be paid is contained in the **de-request.xml** file.

##### GUI DE(2007E) Gebühren (fee payment), Zahlungsangaben (payment details) sub-tab

The screenshot shows the EPO Online-Einreichung beim EPA - DE2007E (Annex F) - 2007\_XML\_1 application window. The title bar indicates the application name and the specific form number. The menu bar includes Datei, Bearbeiten, Ansicht, Hilfsmittel, Fenster, and Hilfe. The toolbar contains icons for New, Open, Save, and Print. The main window title is "DE2007E (Annex F) - Entwurf - 2007\_XML\_1" and it was last saved on 11.12.2008. The tabs at the top are Antrag, Namen, Priorität, Anhang, and Gebühren, with Gebühren selected. Below the tabs are three buttons: Gebührenangaben, Zahlungsangaben, and Kontoinhaber/in. The Zahlungsangaben tab is active. A sub-tab bar shows Zahlungsart (Überweisung), Betrag (450.00 EUR), and Betrag gemäß Gebührenangabe (0.00 EUR). The Zahlungsempfänger section displays the following information: Bundeskasse Weiden, BBk München, Kto.Nr.: 700 010 54, BLZ: 700 000 00, BIC (SWIFT-Code): MARKDEF1700, and IBAN: DE84 7000 0000 0070 0010 54. At the bottom, it says "Angemeldet als Administrator" and shows status icons for errors (0), warnings (0), and info (0).

Figure 50: Gebühren (fees) GUI: selected mode of payment, total amount of fees, information on remittee

##### Element list

- (1) Zahlungsart (mode of payment)
- (2) Betrag (total amount of fees)
- (3) Zahlungsempfänger (remittee, data displayed in GUI only for information)

### XML de-request.xml

```

83 <de-office-specific-data>
84   <miipcnr>A47J 37/01</miipcnr>
85   <statement>
86     <deaddapl>
87       <mipymgr payopt="invoice"> 1
88         <deamount>450,00</deamount> 2
89       <pymmtyp/>
90       <decard>
91       <debnkac>
92     </mipymgr>
93   <de-electronic-files>
94   </de-office-specific-data>
95 </request>

```

Figure 51: de-request.xml: payment option, amount of fees

### PDF de-request.pdf

<p>(10) <b>Anlagen</b></p> <p><b>Gebührenzahlung</b> in Höhe von 450,00 EUR</p> <p><input type="checkbox"/> <b>Einzugsermächtigung</b> elektr. Formular (A 9507e) ist beigefügt.</p> <p><b>Wird die Anmeldegebühr nicht innerhalb 3 Monaten nach dem Tag des Eingangs der Anmeldung gezahlt, so gilt die Anmeldung als zurückgenommen!</b></p>	<p><b>2</b></p> <p><b>1</b> <input checked="" type="checkbox"/> <b>Überweisung</b> (nach Erhalt der Empfangsbescheinigung)</p>						
<p>(11) <b>Anlagen (Dateien)</b></p> <table border="1"> <tr> <td> <input type="checkbox"/> 1. Vertretervollmacht:  <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e):  <input checked="" type="checkbox"/> 3. Patentspezifikation: SPECIFICATION.pdf  <small>(Schutzzansprüche, Beschreibung, Zeichnungen) (ggf. mit Zeichnung Fig. 2a) Anzahl der Schutzzansprüche: 20</small> </td> <td> <input type="checkbox"/> 4. 3 Zeichnung(en):  <input checked="" type="checkbox"/> 5. Abschrift der Voranmeldung: advanceapp.pdf  <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur:  <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV:  <input type="checkbox"/> 8. Einzugsermächtigung (A9507e):  <input type="checkbox"/> 9. Sonstiges:         </td> </tr> <tr> <td colspan="2" style="text-align: right;">(12) Unterschriften</td> </tr> <tr> <td colspan="2" style="text-align: right;">(13) Funktion des Unterzeichners</td> </tr> </table>		<input type="checkbox"/> 1. Vertretervollmacht: <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e): <input checked="" type="checkbox"/> 3. Patentspezifikation: SPECIFICATION.pdf <small>(Schutzzansprüche, Beschreibung, Zeichnungen) (ggf. mit Zeichnung Fig. 2a) Anzahl der Schutzzansprüche: 20</small>	<input type="checkbox"/> 4. 3 Zeichnung(en): <input checked="" type="checkbox"/> 5. Abschrift der Voranmeldung: advanceapp.pdf <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur: <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV: <input type="checkbox"/> 8. Einzugsermächtigung (A9507e): <input type="checkbox"/> 9. Sonstiges:	(12) Unterschriften		(13) Funktion des Unterzeichners	
<input type="checkbox"/> 1. Vertretervollmacht: <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e): <input checked="" type="checkbox"/> 3. Patentspezifikation: SPECIFICATION.pdf <small>(Schutzzansprüche, Beschreibung, Zeichnungen) (ggf. mit Zeichnung Fig. 2a) Anzahl der Schutzzansprüche: 20</small>	<input type="checkbox"/> 4. 3 Zeichnung(en): <input checked="" type="checkbox"/> 5. Abschrift der Voranmeldung: advanceapp.pdf <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur: <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV: <input type="checkbox"/> 8. Einzugsermächtigung (A9507e): <input type="checkbox"/> 9. Sonstiges:						
(12) Unterschriften							
(13) Funktion des Unterzeichners							

Figure 52: Form DE2007E: Gebührenzahlung (fee payment options)

#### 4.7.3 Zahlungsangaben (payment details) - Example 2: one-time direct debit

This example demonstrates the data for ***Einmal-Einzugsermächtigung*** (one-time direct debit).

##### GUI DE(2007E) Gebühren (fee payment), Zahlungsangaben (payment details) sub-tab

The screenshot shows the EPO Online Filing interface for form DE2007E (Annex F). The window title is "EPO Online-Einreichung beim EPA - DE2007E (Annex F) - 2007\_XML\_2". The menu bar includes Datei, Bearbeiten, Ansicht, Hilfsmittel, Fenster, and Hilfe. The toolbar has icons for Open, Save, Print, and Help. The main title is "DE2007E (Annex F) - Entwurf - 2007\_XML\_2" and the status bar says "Zuletzt gespeichert am 11.12.2008". The tab bar at the top has Antrag, Namen, Priorität, Anhang, and Gebühren, with Gebühren selected. Below the tabs are three buttons: Gebührenangaben, Zahlungsangaben, and Kontoinhaber/in. The Zahlungsangaben tab is active. It contains a dropdown labeled "Zahlungsart" with the value "1 Einzugsermächtigung". A section titled "Einzugsermächtigung" shows "Kontoinhaber/in: Innovation GmbH" (marked with a red circle 3). A note below states: "Ich/wir ermächtige(n) die Bundeskasse Weiden für das Deutsche Patent- und Markenamt, die zu entrichtende Beträge entsprechend den gemachten Angaben zu Lasten meines/unseres Girokontos (Inlandskonto) durch Lastschrift umgehend einzuziehen." Below this are fields for "Kontonummer" (4, value 12308909), "Bankleitzahl" (5, value 70070070), and "Bank" (6, value Spar-Bank). A note below the bank selection says: "2 Diese Einzugserklärung ist einmalig gültig für die in dieser Anmeldung angegebenen Gebühren  
3 Diese Dauereinzugsermächtigung gilt bis auf Widerruf auch für zukünftig zu zahlende Gebühren und Auslagen für das hier beantragte Schutzrecht." The status bar at the bottom says "Angemeldet als Administrator" and shows some icons.

Figure 53: Gebühren (fees) GUI: mode of payment and bank account data

##### Element list

- (1) Zahlungsart (mode of payment)
- (2) Diese *Einzugsermächtigung ist einmalig gültig [...]* (one-time direct debit)
- (3) Kontoinhaber/in (account holder, is displayed in GUI only)
- (4) Kontonummer (account number)
- (5) Bankleitzahl (bank identification code)
- (6) Bank (name of bank)
- (7) Gebührenzahlung in Höhe von (total amount of fees)

### XML de-request.xml

```

164 <deaddapl>
170 <mipymgr payopt="debit"> ①
171 <deamount>800,00</deamount> ⑦
172 <pymmtyp/>
173 <decard>
174 <debnkac>
175 <debnknam/>
176 <debnkadr/>
177 <debkactn/>
178 <debkswif/>
179 </debnkac>
180 </mipymgr>
181 <de-electronic-files>
182 </de-office-specific-data>
247 </request>
248

```

Figure 54: de-request.xml: payment options and fee amount

### XML directdebit.xml

```

5 <accountholder> ③
26 <debnkac>
27 <debnknam>Spar-Bank </debnknam> ⑥
28 <debnkadr/>
29 <debkactn>12308909</debkactn> ④
30 <debkswif>70070070</debkswif> ⑤
31 </debnkac>
32 <deakzs>
33 <deakz type="pa">
34 <akz/>
35 <fees amount="800,00"> ⑦
36 <fee>
37 <fee>
38 <fee>
39 <fee>
40 <fee>
41 </fees>
42 </deakz>
43 </deakzs>
44 </debitform>

```

Figure 55: directdebit.xml: bank account data, fees

### PDF de-request.pdf

(10) ⑦	
<b>Gebührenzahlung</b> in Höhe von 800,00 EUR	
① <input checked="" type="checkbox"/> <b>Einzugsermächtigung</b> elektr. Formular (A 9507e) ist beigelegt.	<input type="checkbox"/> <b>Überweisung</b> (nach Erhalt der Empfangsberechtigung)
<i>Wird die Anmeldegebühr nicht innerhalb 3 Monaten nach dem Tag des Eingangs der Anmeldung gezahlt, so gilt die Anmeldung als zurückgenommen!</i>	

Figure 56: Form DE2007E: Gebührenzahlung (payment options)

**PDF directdebit.pdf**

<b>1 EINMAL-Einzugsermächtigung</b> für einmalige Gebührenzahlungen	
DAUER-Einzugsermächtigungen können mit dem speziellen Formular A 9507.2 erteilt werden. Zu Fragen des Einzugsverfahrens beraten wir Sie gern unter der Service-Nr. (089) 2195-2531	
<input type="checkbox"/> nur per Post  <input type="checkbox"/> per Telefax	<b>3</b> bitte nicht beides
<b>An das Deutsche Patent- und Markenamt</b>  <b>80297 München</b>	
<b>Bitte beachten Sie auch die Hinweise auf der Rückseite!</b>	
<b>Kontoinhaber (Name, Vorname)</b> Herr Kleber, Thomas	
<b>Straße, Hausnummer, Postfach</b> Neulandstraße 125	
<b>Postleitzahl, Ort</b> 85634 Garching b. München	
<b>Telefon / Telefax / E-Mail</b> Tel: +49 89 1277 8845 Fax: +49 89 1277 8822 kleber@innovation-gmbh.de	
<b>Kontonummer</b> <b>4</b> 12308909	
<b>Name der Bank</b> <b>6</b> Spar-Bank	
<b>Bankleitzahl</b> <b>5</b> 70070070	

Figure 57: Form A9507.1 Einmal-Einzugsermächtigung (one-time direct debit)

#### 4.7.4 Kontoinhaber/in (account holder) - Example 3: general authorisation of direct debit

This example demonstrates the data for the **Kontoinhaber/in** (account holder) when **Dauer-Einzugsermächtigung** (general authorisation of direct debit) is selected as mode of payment. In this case, the total amount of fees is 0,00 in the XML file and empty in the PDF form, respectively.

##### GUI DE(2007E) Gebühren (fee payment), Kontoinhaber/in (account holder) sub-tab

Antrag	Namen	Priorität	Anhang	Gebühren
<input type="button" value="Gebührenangaben"/> <input type="button" value="Zahlungsangaben"/> <input type="button" value="Kontoinhaber/in"/> <b>Kontoinhaber/in</b> <b>1</b> Innovation GmbH				
Firma:	<b>2</b>	Innovation GmbH		
Abteilung:	<b>3</b>	Erfindungen		
Name:	und / oder			
Vorname:			Namenszusatz:	
Anmeldercode-Nr./Vertretercode-Nr.: <b>4</b> 10098877234				
Postfach:	<b>5</b>			
Straße, Nr.:	<b>6</b>	Neulandstraße 125		
Postleitzahl:	<b>7</b>	85634		
Ort:	<b>8</b>	Garching bei München		
Land:	<b>9</b>	DE	Deutschland	

Figure 58: Gebühren (fees) GUI: Kontoinhaber/in (account holder)

### Element list

- (1) *Kontoinhaber/in* (account holder)
- (2) *Firma* (company)
- (3) *Abteilung* (department)
  - If *Name* (last name) and *Vorname* (first name) are filled, this data will appear in the PDF form A9507.2.
- (4) *Anmeldercode-Nr./Vertretercode-Nr.* (registration number)
- (5) *Postfach* (post office box number)
- (6) *Straße, Nr.* (street and number)
- (7) *Postleitzahl* (postal code)
- (8) *Ort* (city)
- (9) *Land* (country)
- (10) *Telefon* (phone)
- (11) *Fax* (fax)
- (12) *E-Mail* (email)
- (13) mode of payment
- (14) total amount of fees
  - The `<deamount/>` element in the de-request.xml file is empty.
  - The **amount** Attribute for the `<fees>` element in the directdebit.xml file takes the value **0,00**.
- (15) *Dauereinzugsermächtigung* (general authorisation of direct debit)

### XML de-request.xml

```
82 <de-office-specific-data>
83   <miipcnr>A47J 37/01</miipcnr>
84   <statemnt>
88   <deaddapl>
94     <mipymgr payopt="ddebit"> 13
95       <deamount/> 14
96       <pymmtyp/>
97       <decard>
102      <debdkac>
108    </mipymgr>
109    <de-electronic-files>
147  </de-office-specific-data>
148 </request>
```

Figure 59: de-request.xml: payment option, amount of fees is empty

**XML directdebit.xml**

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!DOCTYPE debitform SYSTEM "dedda9507_v003.dtd">
3  <debitform durdebit="dur" date="12.12.2008" dedate="">
4  <intrefid>2007_XML_3</intrefid>
5  <1><accountholder>
6  <2><addressbook lang="de">
7  <name></name>
8  <prefix></prefix>
9  <first-name></first-name>
10 <suffix></suffix>
11 <2><orgname>Innovation GmbH</orgname>
12 <department>Erfindungen</department> 3
13 <4><registered-number>10098877234</registered-number>
14 <address>
15 <pobox></pobox> 5
16 <6><street>Neulandstra e 125</street>
17 <city>Garching bei M nchen</city> 8
18 <7><postcode>85634</postcode>
19 <country>DE</country> 9
20 </address>
21 <10><phone>+49 89 1277 880</phone>
22 <fax>+49 89 1277 8822</fax> 11
23 <12><email>post@innovation-gmbh.de</email>
24 </addressbook>
25 </accountholder>
26 <debnkac>
27 <deakzs>
28 <deakz type="pa">
29 <akz/>
30 <fees amount="0,00"> 14
31 <fee>
32 <feecode/>
33 <feeusage/>
34 <feeamount/>
35 </fee>
36 </fees>
37 </deakz>
38 </deakzs>
39 </debnkac>
40 </debitform>
41
42
43
44

```

Figure 60: directdebit.xml: account holder data

**PDF de-request.pdf**

(10) <b>Gebhrenzahlung</b> in H�ohe von EUR 14			
<input checked="" type="checkbox"/> <b>Einzugserm�chtigung</b> elektr. Formular (A 9507e) ist beigelegt. <small>Wird die Anmeldegeb�ur nicht innerhalb 3 Monaten nach dem Tag des Eingangs der Anmeldung gezahlt, so gilt die Anmeldung als zur點kgenommen!</small>			
<input type="checkbox"/> <b>�berweisung</b> (nach Erhalt der Empfangsbescheinigung)			
<b>Anlagen (Dateien)</b> <table border="0"> <tr> <td> <input type="checkbox"/> 1. Vertretervollmacht:  <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e);  <input checked="" type="checkbox"/> 3. Patentspezifikation: specification.xml  <small>(Schutzanspr�che, Beschreibung, Zeichnungen)            ggf. mit Zeichnung Fig. 1)            Anzahl der Schutzanspr�che: 4</small> </td> <td> <input type="checkbox"/> 4. 3 Zeichnung(en):  <input type="checkbox"/> 5. Abschrift der Voranmeldung:  <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur:  <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV:  <input checked="" type="checkbox"/> 8. Einzugserm�chtigung (A9507e): directdebit.xml  <input type="checkbox"/> 9. Sonstiges:         </td> </tr> </table>		<input type="checkbox"/> 1. Vertretervollmacht: <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e); <input checked="" type="checkbox"/> 3. Patentspezifikation: specification.xml <small>(Schutzanspr�che, Beschreibung, Zeichnungen)            ggf. mit Zeichnung Fig. 1)            Anzahl der Schutzanspr�che: 4</small>	<input type="checkbox"/> 4. 3 Zeichnung(en): <input type="checkbox"/> 5. Abschrift der Voranmeldung: <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur: <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV: <input checked="" type="checkbox"/> 8. Einzugserm�chtigung (A9507e): directdebit.xml <input type="checkbox"/> 9. Sonstiges:
<input type="checkbox"/> 1. Vertretervollmacht: <input checked="" type="checkbox"/> 2. Erfinderbenennung (P 2792e); <input checked="" type="checkbox"/> 3. Patentspezifikation: specification.xml <small>(Schutzanspr�che, Beschreibung, Zeichnungen)            ggf. mit Zeichnung Fig. 1)            Anzahl der Schutzanspr�che: 4</small>	<input type="checkbox"/> 4. 3 Zeichnung(en): <input type="checkbox"/> 5. Abschrift der Voranmeldung: <input type="checkbox"/> 6. Zitierte Nichtpatentliteratur: <input type="checkbox"/> 7. Sequenzprotokoll nach § 11 Abs. 2 PatV: <input checked="" type="checkbox"/> 8. Einzugserm�chtigung (A9507e): directdebit.xml <input type="checkbox"/> 9. Sonstiges:		
<small>(12) Unterschriften</small>			
<small>(13) Funktion des Unterzeichners</small>			

Figure 61: Form DE2007E: payment options, total amount of fees is not indicated

**PDF directdebit.pdf**

<b>13</b> <b>15 DAUER-Einzugsermächtigung</b> <small>für derzeit fällige und alle zukünftig fällig werdenden Gebühren (auch für Anmeldegebühren)</small>	
<p>EINMAL-Einzugsermächtigungen können mit dem speziellen Formular A 9507.1 erteilt werden. Zu Fragen des Einzugsverfahrens beraten wir Sie gern unter der Service-Nr. (089) 2195-2531</p>	
<input type="checkbox"/> nur per Post <input type="checkbox"/> per Telefax	<small>bitte nicht beides</small>
<b>An das</b> <b>Deutsche Patent- und Markenamt</b> <b>80297 München</b>	
<b>Bitte beachten Sie auch die Hinweise auf der Rückseite!</b>	
<b>Angaben zum betroffenen Schutzrecht</b> <input checked="" type="checkbox"/> Patent <input type="checkbox"/> Gebrauchsmuster <b>Aktenzeichen (Az) des betroffenen Schutzrechts des Zahlungspflichtigen:</b> <input type="checkbox"/> Marke      (hier nur ein Az. angeben, weitere Az. auf einem Beiblatt) <input type="checkbox"/> Geschmacksmuster <b>Name des Schutzrechtsinhabers / Anmelders:</b> <input type="checkbox"/> Topographie <b>Internes Zeichen des Anmelders / Vertreters:</b> <input type="checkbox"/> DD-Patent      2007_XML_3 <input type="checkbox"/> PCT-Anmeldung <input type="checkbox"/> Schutzzertifikat	
<b>15</b> <input checked="" type="checkbox"/> <b>Dauereinzugsermächtigung</b> <p>Ich/Wir ermächtige(n) bis auf Widerruf die Bundeskasse Weiden, für das Deutsche Patent- und Markenamt die derzeit falligen und alle zukünftig zu zahlenden Gebühren und Auslagen für das/die oben und ggf. im Beiblatt genannte(n) Schutzrecht(e) zu Lasten meines/unseres Girokontos (Inlandskonto) <b>jeweils bei Fälligkeit einzuziehen</b>  <b>Wichtiger Hinweis:</b> Von der Dauereinzugsermächtigung sind auch künftige Jahresgebühren (Patente), Aufrechterhaltungsgebühren (Gebrauchsmuster, Geschmacksmuster) bzw. Verlängerungsgebühren (Marken) umfasst. Durch den Gebühreneinzug am Fälligkeitstag verlängert sich die Dauer des Schutzrechts automatisch und ohne weitere Rückfrage</p> <p><input type="checkbox"/> Änderungsmitteilung zu einer bestehenden Dauereinzugsermächtigung</p> <p><input type="checkbox"/> Die Dauereinzugsermächtigung vom _____ wird mit Wirkung vom _____ widerrufen.</p> <p><input type="checkbox"/> Änderung von Kontodata für den Lastschrifteinzug mit Wirkung vom _____ (Bitte geben Sie die neuen Kontodata oben rechts an.)</p>	
<small>12.12.2008</small> <small>Ort, Datum</small>	<small>elektronisch signiert</small> <small>Unterschrift des Kontoinhabers/Verfügungsberechtigten (bitte in Druckbuchstaben wiederholen, falls nicht Kontoinhaber)</small>
<small>A 9507.2</small> <small>1.04</small>	<small>Nur vom Ref. 4.2.1. - Zahlungsverkehr - auszufüllen:</small> <small>1. Geprüft und Daten erfasst</small> <small>2. Z.d.A.</small> <small>Datum und Unterschrift des Bearbeiters</small>

Figure 62: Form A9507.2 Dauereinzugsermächtigung with account holder data and electronic signature

## 5 Annex

### 5.1 Abbreviations

EPO = European Patent Office

DPMA = *Deutsches Patent- und Markenamt* (German Trade Mark and Patent Office)

GUI = Graphical User Interface

BO = Business Object

FOP = Formatting Objects Processor

PMS = Patent Management System

OLF = Electronic Online Filing

### 5.2 Annex F rules for documents and files

The European Patent Office can only accept electronic documents which are compliant with **Annex F - Standard for the filing and processing in electronic form of international applications**.

A full version of Annex F in English can be found on the **WIPO website** (<http://www.wipo.int>) under <http://www.wipo.int/pct/en/texts/> and also for **download in PDF format** ([http://www.wipo.int/pct/en/texts/pdf/ai\\_anf.pdf](http://www.wipo.int/pct/en/texts/pdf/ai_anf.pdf)).

#### Rules for Annex F-compliant PDF files

The PDF file format is suitable for all documents containing text or images. For example, you can store additional descriptions and notes relating to your application in PDF format or scan original documents not available in electronic form and convert them into PDF files. See section 3.1.2 of Annex F for full details.

- ◆ PDF files must be compatible with Adobe PDF version 1.4 or higher.
- ◆ PDF files must not be encrypted.
- ◆ PDF files must not contain any embedded OLE objects.
- ◆ The text in PDF files must not be compressed.
- ◆ With the exception of the 11 standard Windows fonts, any fonts used in the PDF file must be embedded.

#### Rules for Annex F-compliant images

See section 3.1.3 of Annex F for the full details.

- ◆ **TIFF** (file type **.tif**)
  - Only black and white images are allowed
  - When saving an image as TIFF the following settings should be selected: TIFF V6.0 with Group 4 compression, single strip, Intel encoded (i.e. for IBM PC format, NOT Macintosh).
  - Image resolution must be 300 or 400 dpi.
  - The recommended maximum page size is 255 mm x 170 mm.
- ◆ **JPEG** (file type **.jpg**)
  - Image resolution must be 300 or 400 dpi.
  - The recommended maximum page size is 255 mm x 170 mm.

### 5.3 Document naming conventions

The file naming convention established by the PCT lists several rules for the naming of documents, referenced files and other files. See section 4.3 of **Annex F** ([http://www.wipo.int/pct/en/texts/pdf/ai\\_anf.pdf](http://www.wipo.int/pct/en/texts/pdf/ai_anf.pdf)) for the full details.

The basic rules are:

- ◆ Only the following characters may be used for file names:
    - ABCDEFGHIJKLMNOPQRSTUVWXYZ
    - abcdefghijklmnopqrstuvwxyz
    - 0123456789
  - ◆ File names are case-sensitive.
  - ◆ The separator must be a period (.), followed by the file type.
  - ◆ Accepted file name extensions are: txt, xml, tif, jpg, pdf, app, zip (use lower-case characters).
  - ◆ File names must not exceed 128 positions altogether. The tables and examples in Annex F demonstrate how to assemble the different elements of the file names. These elements are separated by dashes (-).
  - ◆ The different document and package types for initial ePCT filing must follow the codes in Table 6.
- ① Please note that other receiving Offices may issue their own file naming rules.

## 5.4 de-request.xml - element list for Form DE(2007E)

All XML **ELEMENTS** for the **de-request.xml** file in procedure DE(2007E) are listed in the element table below. The **ATTRIBUTES** column contains the possible attributes for each element. The **MAXLENGTH** column indicates values for elements with data length restrictions.

Check the DTD file to see whether an attribute is mandatory or optional. The values allowed or required for the attributes are listed in the **attribute list** (see "de-request.xml - attribute list for Form DE(2007E)" p. 73).

Please refer to **de-request-v1-3.dtd** for the detailed structure of the **de-request.xml** file.

ELEMENT	ATTRIBUTES	MAXLENGTH
address		
addressbook	lang	
agent	sequence, rep-type	
agents	group	
applicant	sequence, app-type, designation	
applicant-file-name		
applicants	group	
b		
basic-signature		
check-list	total-page-count	
city		109
cl-abstract	page-count, ppf, ppl	
cl-claims	page-count, ppf, ppl, claims-number	
cl-description	page-count, ppf, ppl	
cl-drawings	page-count, fig-count	
click-wrap		
cl-other-document	page-count	
correspondence-address		
country		
county		
court		
date		
date_produced		
deaddapl		
deakz	code	
deamount		
deausset	month	
debkactn		14
debkswif		8

ELEMENT	ATTRIBUTES	MAXLENGTH
debnkac		
debnkadr		
debnknam		39
decard		
decardnr		
deceased-inventor	lang, sequence	
de-electronic-files	docType, number	
de-file-name		
deissuer		
delizenz	code	
denachan	code	
de-office-specific-data	office, office-dtd, file, id, lang, status	
department		
depruef	code	
dexpdate		
dezusatz	code	
doc-number		
doc-page	id, he, wi, type, alt, pp, ppf, ppl, file, color, orientation	
document-id	lang	
dtext		
electronic-signature	date, place-signed	
email		
enhanced-signature		
fax		19
fax-image	file	
fig-number		
figure-to-publish		
file-reference-id		
first-name		39
i		
iid		
invention-title	id, lang	
inventors	ueberrecht, group	
kind		
kind-of-protection		
language-of-filing		

ELEMENT	ATTRIBUTES	MAXLENGTH
last-name		39
mailcode		
middle-name		
miipcnr		
mipymgr	payopt	
name	name-type	
national		
nationality		
new-designation-country		
office-of-filing		
orgname		499
parties	corent	
phone		19
pkcs7		
pobox		
postcode		9
precautionary-designation-statement		
prefix		
priority-claims		
pymmtyp		
region		
registered-number		
request	lang, dtd-version, file, status, produced_by, date_produced, ro	
request-petition		
residence		
role		
signatories		
signatory		
signatory-capacity		
smallcaps		
state		
street		58
sub		
sub2		
suffix		
sup		

<b>ELEMENT</b>	<b>ATTRIBUTES</b>	<b>MAXLENGTH</b>
sup2		
synonym		
text		
text-string		
treg-number		
u	style	

## 5.5 de-request.xml - attribute list for Form DE(2007E)

The list relates to `de-request-v1-3.dtd`.

ATTRIBUTE	VALUES	applicable for ELEMENTS
alt	CDATA #IMPLIED	doc-page
app-type	(applicant   applicant-inventor) #REQUIRED	applicant
claims-number	CDATA #REQUIRED	cl-claims
code	(zus   teil   no) "no"	dezusatz
code	CDATA #IMPLIED	deakz
code	code (both   pruef   recherch   no) "no"	depruef
code	code (yes   no) "no"	delizenz, denachan
color	(color   bw) #IMPLIED	doc-page
corent	(app   agent   corsp) #REQUIRED	parties
date	CDATA #REQUIRED	electronic-signature
date-produced	CDATA #IMPLIED	request
designation	(all   all-except-us   us-only   as-indicated) #IMPLIED	applicant, inventor
docType	CDATA #REQUIRED	de-electronic-file
dtd-version	CDATA #IMPLIED	request
fig-count	CDATA #IMPLIED	cl-drawings
file	CDATA #IMPLIED	request, de-office-specific-data
file	CDATA #REQUIRED	doc-page, fax-image
group	(yes   no) #REQUIRED	agents, inventors, applicants
he	NMTOKEN #REQUIRED	doc-page
id	ID #IMPLIED	doc-page, de-office-specific-data, invention-title
kind	(national   regional   international) #REQUIRED	priority-claim
lang	CDATA #IMPLIED	request, de-office-specific-data, cl-translation-of-application, document-id, deceased-inventor, invention-title
lang	CDATA #REQUIRED	addressbook
month	CDATA #REQUIRED	deausset
name-type	(legal   natural) #IMPLIED	name
number	CDATA #IMPLIED	de-electronic-file
office	CDATA #IMPLIED	de-office-specific-data
office-dtd	CDATA #IMPLIED	de-office-specific-data
orientation	(portrait   landscape) "portrait"	doc-page

<b>ATTRIBUTE</b>	<b>VALUES</b>	<b>applicable for ELEMENTS</b>
page-count	CDATA #IMPLIED	cl-sequence-listing-table, cl-sequence-listing, cl-drawings, cl-abstract, cl-claims, cl-description, cl-other-document, cl-request
payopt	(ofac   ddebit   invoice   card) #REQUIRED	mipymgr
place-signed	CDATA #IMPLIED	electronic-signature
pp	CDATA #IMPLIED	doc-page
ppf	CDATA #IMPLIED	doc-page, cl-abstract, cl-claims, cl-description
ppl	CDATA #IMPLIED	doc-page, cl-abstract, cl-claims, cl-description
produced-by	(applicant   RO   ISA   IPEA   IB   DO   EO  national-office   regional-office ) #REQUIRED	request
quantity	CDATA #REQUIRED	cl-biological-material, cl-translation-of-application, cl-priority-document, cl-lack-of-signature, cl-copy-general-power-of-attorney, cl-general-power-of-attorney, cl-separate-power-of-attorney, cl-sequence-listing-table, cl-sequence-listing
renunciation	(yes   no) #REQUIRED	inventor
rep-type	(agent   attorney   common-representative ) #REQUIRED	agent
ro	CDATA #REQUIRED	request
sequence	CDATA #REQUIRED	priority-claim, agent, inventor, applicant
status	CDATA #IMPLIED	request, de-office-specific-data, deceased-inventor
style	(single   double   dash   dots) "single"	u
total-page-count	CDATA #IMPLIED	check-list
type	(jpg   pdf   tif) #REQUIRED	doc-page
ueberrecht	CDATA #REQUIRED	inventors
wi	NMTOKEN #REQUIRED	doc-page

## 5.6 directdebit.xml - element and attribute list for Form A9507

The two lists below show the elements and attributes used for the `directdebit.xml` file as defined by `dedda9507_v003.dtd`.

ELEMENT	ATTRIBUTES	MAXLENGTH
accountholder		
address		
addressbook	lang	
akz		
basic-signature		
city		109
country		
deakz	type	
deakzs		
debitform	durdebit, debitchange, dedate, date	
debkactn		14
debkswif		8
debnkac		
debnkadr		
debnknam		39
department		
dtext		
ead		
electronic-signature	date, place-signed	
email		
fax		19
fee		
feeamount		
feecode		
fees		
feeusage		
first-name		39
intrefid		
name	name-type	
orgname		499
phone		19
pobox		
postcode		9

<b>ELEMENT</b>	<b>ATTRIBUTES</b>	<b>MAXLENGTH</b>
prefix		
registered-number		
signatories		
signatory		
signatory-capacity		
state		
street		58
suffix		
text-string		

<b>ATTRIBUTE</b>	<b>VALUES</b>	<b>applicable for ELEMENTS</b>
date	CDATA #IMPLIED	debitform, electronic-signature
debitchange	(yes no) "no"	debitform
dedate	CDATA #IMPLIED	debitform
durdebit	(dur rev) #IMPLIED	debitform
lang	CDATA #IMPLIED	addressbook
name-type	(legal   natural) #IMPLIED	name
place-signed	CDATA #IMPLIED	electronic-signature
type	(pal gbm tm gsm tg ddpa pct schutz) #IMPLIED	deakz

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