

PATDPAFULL

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|--|---|-----------------------|--|--|--|--|-------------------------------|--------|--|--|--|--|--------------------------|-------------|--------------------------|--|----------------------------------|-------------------------------------|-----------------------|-------------------------------------|--|-------------------|--------------------------|------------|--------------------------|--|
| Subject Coverage | <ul style="list-style-type: none"> All patent relevant areas of science and technology, i.e. all classes of the International Patent Classification | | | | | | | | | | | | | | | | | | | | | | | | | |
| File Type | Full text | | | | | | | | | | | | | | | | | | | | | | | | | |
| Features | <table border="0"> <tr> <td>Thesaurus</td> <td colspan="4">International Patent Classification (/IPC)</td> </tr> <tr> <td>Alerts (SDIs)</td> <td colspan="4">Weekly</td> </tr> <tr> <td>CAS Registry Number[®] Identifiers</td> <td><input type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> <td>STN[®] AnaVist[™] <input type="checkbox"/></td> </tr> <tr> <td>Keep & Share</td> <td><input checked="" type="checkbox"/></td> <td>SLART</td> <td><input checked="" type="checkbox"/></td> <td>STN Easy[®] <input checked="" type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> <td></td> </tr> </table> | Thesaurus | International Patent Classification (/IPC) | | | | Alerts (SDIs) | Weekly | | | | CAS Registry Number [®] Identifiers | <input type="checkbox"/> | Page Images | <input type="checkbox"/> | STN [®] AnaVist [™] <input type="checkbox"/> | Keep & Share | <input checked="" type="checkbox"/> | SLART | <input checked="" type="checkbox"/> | STN Easy[®] <input checked="" type="checkbox"/> | Learning Database | <input type="checkbox"/> | Structures | <input type="checkbox"/> | |
| Thesaurus | International Patent Classification (/IPC) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alerts (SDIs) | Weekly | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAS Registry Number [®] Identifiers | <input type="checkbox"/> | Page Images | <input type="checkbox"/> | STN [®] AnaVist [™] <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| Keep & Share | <input checked="" type="checkbox"/> | SLART | <input checked="" type="checkbox"/> | STN Easy[®] <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| Learning Database | <input type="checkbox"/> | Structures | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | |
| Record Content | <ul style="list-style-type: none"> Records contains the full text of German published patent applications (Offenlegungsschriften) from 1981, granted patents (Patentschriften) from 1981, translations of European patent documents (T1–T4 documents) from 1992, translations of PCT-applications (T5 documents) from 2004, as well as German utility models (Gebrauchsmuster) from 1981, filed by the German Patent and Trademark Office. Each document contains the bibliographic data, the abstract, all claims, and the full text of the description. Front page images are also included, when available. Database records comprise all documents published for one application. Clipped images (mostly front-page images) from 1989 onwards are also included, when available. Legal status data, family and citation display formats from the INPADOCDB database are available. | | | | | | | | | | | | | | | | | | | | | | | | | |
| File Size | <p>More than 3.08 million records (10/2017)</p> <p>More than 736,030 images (10/2017)</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coverage | 1981–present | | | | | | | | | | | | | | | | | | | | | | | | | |
| Updates | Weekly | | | | | | | | | | | | | | | | | | | | | | | | | |
| Language | German | | | | | | | | | | | | | | | | | | | | | | | | | |
| Database Producer | <p>Deutsches Patent- und Markenamt Zweibrückenstr. 12 80331 München Germany Phone: +49 89/2195-1 Fax: +49 89/2195-2221 Copyright Holder</p> | | | | | | | | | | | | | | | | | | | | | | | | | |

Database Supplier FIZ Karlsruhe
STN Europe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49-7247-808-555
Fax: +49-7247-808-259
Email: helpdesk@fiz-karlsruhe.de

Sources Patent applications (Offenlegungsschriften), granted patents (Patentschriften), and German utility models (Gebrauchsmuster) published by the German Patent and Trade Mark Office (Deutsches Patent- und Markenamt, DPMA)

User Aids

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Clusters

- ALLBIB
- AUTHORS
- CORPSOURCE
- ENGINEERING
- FULLTEXT
- HPATENTS
- PATENTS
- PNTTEXT

[STN Database Clusters](#) information(PDF)

Related Databases PATDPA, PATDPASPC

Pricing Enter HELP COST at an arrow prompt.

Search and Display Field Codes

When multiple search terms are linked with and AND-operator, all terms are searched in the complete database record, i.e. in all publications referring to one application. For a search in a specific publication of the record, connect the search term and the patent kind code with the (L)-proximity operator, e.g. S ELEKTRIZITAET/AB, TI, CLM (L) DEB4/PK limits the search to German patents DEB4.

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

| Search Field Name | Search Code | Search Examples | Display Codes |
|---|-------------------|--|----------------------|
| Basic Index* (contains single words from Abstract (AB), title (TI), claims (CLM), and detailed description (DETD) fields) | None or /BI | S KUEHLUNG (S) ACHSE? | AB, CLM, DETD, TI |
| Abstract* | /AB | S (METALLPLATTE AND ELASTIZITAET)/AB | |
| Accession Number | /AN | S DE19983487/AN | AN |
| Agent and Address (1) | /AG | S HENKEL MUENCHEN/AG | AG |
| Application Country (WIPO code and text) | /AC | S EP/AC | AI |
| Application Date (2) | /AD | S AD=AUG 2002 | AI |
| Application Kind Code | /AK | S EPA/AK | AI |
| Application Number (3) | /AP | S DE2000-1000011/AP | AI |
| Application Year (2) | (or /APPS) /AY | S 1999-2000/AY | AI |
| Claims* | /CLM | S TELEKOMMUNIKATIONSNETZWERK/CLM | CLM |
| Document Type (code and text) | /DT (or /TC) | S UTILITY MODEL/DT | DT |
| Entry Date (2) | /ED | S ED>FEB 2010 | ED |
| Entry Week (2) | /EW | S 199901-199905/EW | EW |
| Field Availability | /FA | S KOSMETISCH? AND LAF/FA | FA |
| International Patent Classification (main and secondary) | /IC | S B60B007-02/IC S B60B007/IC | IC |
| Inventor and Address (current and old) | /IN (or /AU) | S PETERS/IN S PETERS BERNHARD?/IN | IN |
| Inventor, Country | /IN.CNY | S SPAIN/IN.CNY | IN, IN.CNY |
| IPC (contains ICM, ICS, ICA, ICI, IPCI, IPCR) (4) | /IPC | S A01B001/IPC S H05B0006-36-H05B0006-44/IPC S H05B0006-36+NT/IPC S H01R/ICM (L) 15-23/MGR | IPC |
| IPC Main Group (range searchable) (2,5) | /MGR | | not displayed |
| IPC Subgroup Range-Searchable (2,5) | /SGR | S 600-650/SGR | not displayed |
| IPC, Action Date (2) | /IPC.ACD | S 13 JAN 2006/IPC.ACD | IPC.TAB |
| IPC, Additional (supplementary) | /ICA | S F01N003/ICA | ICA |
| IPC, Index (complementary) | /ICI | S C07D205:08/ICI | ICI |
| IPC, Initial | /IPCI | S H01L0023-29/IPCI | IPCI |
| IPC, Keyword Terms | /IPC.KW | S C12N0009/IPC (S) I/IPC.KW | IPC.TAB |
| IPC, Main | /ICM | S B21B001-00/ICM | ICM |
| IPC, Reclassified | /IPCR | S C08L0061-00/IPCR | IPCR |
| IPC, Secondary | /ICS | S C01B003-12/ICS | ICS |
| IPC, Version | /IPC.VER | S 200601/IPC.VER | IPC.TAB |
| Language (code and text) | /LA | S DE/LA | LA |
| Language, Filing (code and text) | /LAF | S FRENCH/LAF S FR/LAF | LAF |
| Main Claim* | /MCLM | S FOLSAEURE/MCLM | MCLM |
| Number of Claims (2) | /CLMN | S CLMN>=8 AND L2 | CLMN |
| Number of Detailed Description (2) | /DETN | S DETN < 9 | DETN |
| Patent Assignee and Address (1) | /PA (or /CS) | S MELITTA/PA | PA |

General Search Fields (cont'd)

| Search Field Name | Search Code | Search Examples | Display Codes |
|---|-------------------|--|------------------|
| Patent Assignee, Country Patent Country (WIPO code and text) | /PA.CNY /PC | S NETHERLANDS/PA.CNY S (WO OR EP)/PC | PA, PA.CNY PI |
| Patent Information Publication Type | /PIT | S WOA WO-PUBLIKATION DER PCT-PATENTANMELDUNG/PIT | PIT |
| Patent Kind Code | /PK | S DEC2/PK | PI |
| Patent Number (3) | /PN (or /PATS) | S DE20020004/PN | PI |
| Patent Number/Kind Code | /PNK | S DE10000006C2/PNK | PNK |
| Priority Country (WIPO code and text) | /PRC | S AU/PRC S AUSTRIA/PRC | PRAI |
| Priority Date (2) | /PRD | S MAY 1999 - JUN 2000/PRD | PRAI |
| Priority Number (3) | /PRN | DE2000-10000158/PRN | PRAI |
| Priority Year (2) | /PRY | S 2000-2001/PRY | PRAI |
| Priority Year, First (2) | /PRYF | S PRYF<1989 | |
| Publication Date (2) | /PD | S 20030227/PD | PI |
| Publication Year (2) | /PY | S PY>=2001 | PI |
| Referenced Non-Patent Literature | /REN | S KRAFTWERKSTECHNIK/REN | REN |
| Referenced Patent Country | /RPC | S DK/RPC S DENMARK/RPC | REP |
| Referenced Patent Number (by examiner) (3) | /RPN | S 43434319752 A1/RPN | REP |
| Related Application Country (WIPO code and text) | /RLC | S DE/RLC | RLI |
| Related Application Date (2) | /RLD | S 19990119/RLD | RLI |
| Related Application Number (3) | /RLN | S DE2000-10000447/RLN | RLI |
| Related Application Type | /RLT | S ADD ZUSATZANMELDUNG/RLT | RLI |
| Related Application Year (2) | /RLY | S 2002/RLY | RLI |
| Serial Number | /SN | S DE10000011.8/SN | SN |
| Title* | /TI | S ROTATION?/TI | TI |
| Update Date (2) | /UP | S UP = MAR 2003 | UP |

- (1) Search with implied (S) proximity is available in this field.
- (2) Numeric search field that may be searched using numeric operators or ranges.
- (3) By default, patent numbers, application and priority numbers are displayed in STN Format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN Format, enter SET PATENT STN.
- (4) A thesaurus is available in this field.
- (5) Valid until IPC version 7 only.

Super Search Fields

Enter a super search field to execute a search in one or more fields that may contain the desired information. Super search fields facilitate crossfile and multifile searching. EXPAND may not be used with super search fields. Use EXPAND with the individual field codes instead.

| Search Field Name | Search Code | Fields Searched | Search Examples | Display Codes |
|---|---------------|--------------------------|--|--------------------------|
| Short Basic Index Application Number Group | /SBI /APPS | /AB, /MCLM, /TI /APPS | S ANATOMIE/SBI S EP2008-160800/APPS | AB, TI, MCLM AI, PRAI |

International Patent Classification (/IPC) Thesaurus

The classifications, validity and catchwords for the main headings and subheadings from the current (8th) edition of the WIPO International Patent Classification (IPC) manual are available. The classifications from the previous editions (1-7) are also available as separate thesauri. To EXPAND and SEARCH in the thesauri for editions 1-7, use the field code followed by the edition number, e.g., /IPC2, for the 2nd edition. Catchwords are included only in the thesauri for the 8th, 7th, 6th, and 5th editions.

| Code | Content | Examples |
|----------------|--|----------------------------|
| ADVANCED (ADV) | Advanced Codes for the Core Level IPC Code | E A61K0006-02+ADVANCED/IPC |
| ALL | All Associated Terms (BT, SELF, NT, RT) | E C01C003-00+ALL/IPC |
| BRO (MAN) | Complete Class | E C01C+BRO/IPC |
| BT | Broader Term (BT, SELF) | E C01F001-00+BT/IPC |
| CORE (COR) | Core Codes for the Advanced Level IPC Code | E G08C0019-22+CORE/IPC |
| ED | Complete title of the SELF term and IPC manual edition | E C01F001-00+ED/IPC |
| HIE | Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT) | E C01B003-00+HIE/IPC |
| INDEX | Complete title of the SELF term | E C01F001-00+INDEX/IPC |
| KT | Keyword Term (catchwords) (SELF, KT) | E CYANOGEN+KT/IPC |
| NEXT | Next Classification | E C01C001-00+NEXT5/IPC |
| NT | Narrower Terms (SELF, NT) | E C01C+NT/IPC |
| PREV | Previous Classification | E C01C001-12+PREV10/IPC |
| RT (SIB) | Related Terms (SELF, RT) | E C01C003-20+RT/IPC |
| TI | Complete Title of the SELF Term and Broader Terms (BT, SELF) | E C01F001-00+TI/IPC |

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

The information of the latest publication is displayed by default. To display the content for all levels of the record you can combine all display fields and formats with the qualifier .M except FA, FAM, CFAM, LS, LS2, SCAN, and TRIAL.

For displaying a particular publication of a database record, you can simply add for certain display field the kind code to the appropriate display format, e.g. ALL.A1. Fields that allow this are indicated by a number (3).

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

| Format | Content | Examples |
|----------|--|-------------|
| AB | Abstract | D TI AB 1-5 |
| AG | Agent | D AG |
| AI (1) | Application Information | D AI |
| AN | Accession Number | D L3 AN |
| CLM (3) | Claims | D CLM |
| CLMN (3) | Number of Claims | D CLMN |
| DETD (3) | Detailed Description | D DETD |
| DETN (3) | Number of Detailed Description | D DETN |
| DT (TC) | Document Type | D DT LA |
| ED | Entry Date | D ED |
| EW | Entry Week | D EW |
| FA | Field Availability | D FA |
| GI | Graphic Image | D GI |
| GIS (2) | Graphic Image Size | D GIS |
| IC | International Patent Classification (ICM, ICS) | D IC |
| ICA | IPC, Additional (Supplementary) | D ICA |
| ICI | IPC, Index (Complementary) | D ICI |
| ICM | IPC, Main | D ICM |
| ICS | IPC, Secondary | D ICS |

DISPLAY and PRINT Formats (cont'd)

| Format | Content | Examples |
|--|---|--|
| IN IN.CNY IPCI IPCR LA LAF MCLM (3) PA PA.CNY PI (PN, PATS) (1) PIT PNK PRAI PRN) (1) PRAO (2) REN REP RLI SN TI UP | Inventor and Address Inventor, Country IPC, Initial IPC, Reclassified Language Language , Filing Main Claim Patent Assignee and Address Patent Assignee, Country Patent Information Patent Information Publication Type Patent Number/Kind Code Priority Information Priority Number Original Format Referenced Non-Patent Literature Referenced Patent Literature Related Application Information System Number (AKZ or Serial No.) Title Update Date | D IN D IN.CNY D IPCI D IPCR D LA D LAF D MCLM D PA D PA.CNY D PI D PIT D PNK D PRAI D PRAO D REN D REP D RLI D SN D TI D UP |
| ALL (1, 3) ALLG (1) IALL (1, 3) IALLG (1) APPS BIB (1, 3) IBIB (1, 3) BRIEF (1, 3) BRIEFG (1) BRIEFG.M IBRIEF (1, 3) IBRIEFG (1) IBRIEFG.M FAM (2) CFAM (2) IND IPC IPC.TAB LS (2) LS2 (2) MAX (ALL.M) (1) MAXG (ALLG.M) IMAX (IALL.M) (1) IMAXG (IALLG.M) RE (2) SCAN (4) STD (1, 3) STDG (1) ISTD (1, 3) ISTDG (1) TRIAL (TRI, SAM, SAMPLE, FREE) TX | BIB plus IND plus AB plus TX ALL, plus image ALL, indented with text labels IALL, plus image AI, PRAI AB, AG, AI, AN, DT, ED, EW, IN, LA, LAF, PI, PIT, PRAI, REN, REP, RLI, TI BIB, indented with text labels STD, plus AB, MCLM BRIEF, plus image BRIEFG, for all publication levels BRIEF, indented with text labels IBRIEF, plus image IBRIEFG, for all publication levels AN, table of patent family information (from INPADOCDB) Condensed family format (from INPADOCDB) PK, ED, EW, ICM, ICS, ICA, ICI, IPCR, IPCI ICM, ICS, ICA, ICI, IPCI, IPCR IPC, IPC.KW, IPC.ACD, IPC.VER in tabular format Legal Status (from INPADOCDB) Legal Status (from INPADOCDB), detailed version with display headers ALL, for all publication levels ALLG, for all publication levels IALL, for all publication levels IALLG, for all publication levels Citations of patent and non-patent literature (from INPADOCDB) TI (random display without answer numbers) BIB plus IND STD, plus graphic image STD, indented with text labels ISTD, plus graphic image CLMN, DETN, ED, EW, FA, TI (all levels of publication) DETD, CLM | D ALL D ALLG D IALL D IALLG D APPS D BIB D IBIB D BRIEF D BRIEFG D IBRIEF D IBRIEFG D CFAM D IND D IPC D IPC.TAB D LS D LS2 D MAX D MAXG D IMAX D IMAXG D RE D SCAN D STD D STDG D ISTD D ISTDG D TRIAL D TX |
| HIT KWIC OCC | Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur | D HIT D KWIC D OCC |

(1) By default, patent numbers, application and priority numbers are displayed in STN format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN format, enter SET PATENT STN.

(2) Custom display only.

- (3) You can combine this display field with the qualifier .PK (Patent Kind Code) to display the content for a certain publication level of a record, e.g. D STD.A1.
- (4) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

You can combine all fields except FA with the qualifier .M to SELECT/ANALYZE the content of all publication levels.

| Field Name | Field Code | ANALYZE/ SELECT (1) | SORT |
|---|------------|------------------------|------|
| Abstract | AB | Y | N |
| Accession Number | AN | Y | Y |
| Agent | AG | Y | Y |
| Application Country | AC | Y | N |
| Application Date | AD | Y | N |
| Application Kind Code | AK | Y | Y |
| Application Number | AP (AI) | Y | N |
| Application Number Group | APPS | Y (2) | N |
| Application Year | AY | Y | N |
| Claims | CLM | Y | Y |
| Detailed Description | DETD | Y | N |
| Document Type | DT | Y | Y |
| Entry Date | ED | Y | Y |
| Field Availability | FA | Y | N |
| Graphic Image Size | GIS | Y | N |
| International Patent Classification | IC | Y (3) | Y |
| Inventor and Address | IN | Y | N |
| Inventor, Country | IN.CNY | Y | N |
| IPC (ICM, ICS, ICA, ICI, IPCI, IPCR) | IPC | Y | Y |
| IPC, Additional (supplementary) | ICA | Y | N |
| IPC, Advanced Level Symbols | IPC.A | Y (4) | N |
| IPC, Advanced Level Symbols for Invention | IPC.AI | Y (4) | N |
| IPC, Core Level Symbols | IPC.C | Y (4) | N |
| IPC, Core Level Symbols for Invention | IPC.CI | Y (4) | N |
| IPC, Index (complementary) | ICI | Y | N |
| IPC, Initial | IPCI | Y | Y |
| IPC, Main | ICM | Y | Y |
| IPC, Reclassified | IPCR | Y | Y |
| IPC, Secondary | ICS | Y | Y |
| Language | LA | Y | Y |
| Main Claim | MCLM | Y | N |
| Number of Claims | CLMN | Y (5) | N |
| Number of Detailed Description | DETN | Y (5) | N |
| Occurrence Count of HIT Terms | OCC | N | Y |
| Patent Assignee and Address | PA | Y | Y |
| Patent Assignee, Country | PA.CNY | Y | N |
| Patent Information Publication Type | PIT | Y | Y |
| Patent Kind Code | PK | Y | Y |
| Patent Number | PN (PI) | Y (default) | Y |

SELECT, ANALYZE, and SORT Fields (cont'd)

| Field Name | Field Code | ANALYZE/ SELECT (1) | SORT |
|---|------------|------------------------|------|
| Patent Number/Kind Code | PNK | Y | N |
| Patent Publication Country | PC | Y | Y |
| Patent Publication Date | PD | Y | Y |
| Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006 onwards | IPC.F | Y (4) | N |
| Priority Country | PRC | Y | Y |
| Priority Date | PRD | Y | Y |
| Priority Number | PRN (PRAI) | Y | Y |
| Priority Year | PRY | Y | Y |
| Publication Year | PY | Y | Y |
| Reference Patent Literature | REP | Y | N |
| Related Application Information | RLI | Y | N |
| Serial Number | SN | Y | Y |
| Subclass | SCL | Y (6) | N |
| Subclass Group | SCG | Y (6) | N |
| Subclass Group Main | SCGM | Y (7) | N |
| Subclass Main | SCLM | Y (7) | N |
| Title | TI | Y | Y |
| Update Date | UP | Y | Y |

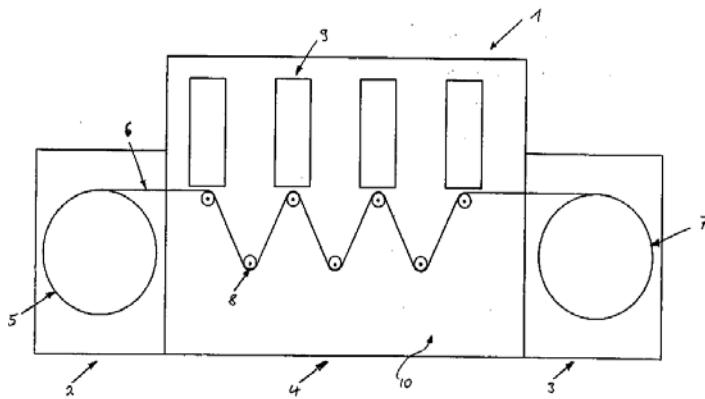
- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
- (2) Selects or analyzes AP and PRN with /APPS appended.
- (3) Selects or analyzes ICM and ICS with /IC appended.
- (4) Appends IPC to the terms created by SELECT.
- (5) You can combine these display fields with the qualifier .PK (Patent Kind Code) to select the content for a certain publication level of a record. The normal search field code without the .PK extension is appended to selected terms.
- (6) Appends /IC to the terms created by SELECT.
- (7) Appends /ICM to the terms created by SELECT.

Sample Records

D BRIEFG

AN DE102008035754 PATDPAFULL ED 20100311 EW 201010
TI Verfahren und Vorrichtung zum Einstellen einer Position von Fuehrungs-
und/oder Transportrollen fuer Bedruckstoffe in Druckmaschinen
IN Neuber, Ingo, 24214 Tuettendorf, DE
PA Eastman Kodak Co., Rochester, N.Y., US
AG WAGNER & GEYER Partnerschaft Patent- und Rechtsanwaelte, 80538 Muenchen
DT Patent
PIT DEB4 Patentschrift
PITX DEB4-475 PATENTSCHRIFT, (NORMAL) NEUES RECHT
PI DE 102008035754 B4 20100311
AI DE 2008-102008035754 A 20080731
PRAI DE 2008-102008035754 A 20080731
IPCI B41F0033-14 [I,A]; B41J0015-00 [I,A]
B41F0033-14 [I,C*]; B41J0015-00 [I,C*]
AB Es ist sowohl ein Verfahren als auch eine Vorrichtung fuer eine einfache
Einstellung einer Position von Transportrollen fuer Bedruckstoffe in
Druckmaschinen vorgesehen. Bei dem Verfahren werden wenigstens ein
Messgeber an der Fuehrungs- und/oder Transportrolle angebracht, die von
Daten des wenigstens einen Messgebers in wenigstens drei
unterschiedlichen Drehpositionen der Fuehrungs- und/oder Transportrolle
mittels wenigstens einer Erfassungseinheit erfasst und die so erfassten
Daten mittels einer Auswerteeinheit, zum Ermitteln einer Position der
Fuehrungs- und/oder Transportrolle auswerten. Anschliessend wird die
Position der Fuehrungs- und/oder Transportrolle, basierend auf den so
ausgewerteten Daten eingestellt, um die Fuehrungs- und/oder
Transportrollen relativ zueinander auszurichten. Die Vorrichtung weist
einen Messgeber zur loesbaren Befestigung an wenigstens einer der
Fuehrungs- und/oder Transportrollen, eine Erfassungseinheit zur Erfassung
des Messgebers, eine Auswerteeinheit, die mit den durch die
Erfassungseinheit erfassten Daten eine Position wenigstens einer der
Fuehrungs- und/oder Transportrollen ermittelt, einen Rahmen zur Aufnahme
der Fuehrungs- und/oder Transportrollen, und eine Stellvorrichtung zum
Einstellen der Position der Fuehrungs- und/oder Transportrolle bezueglich
des Rahmens auf.

(00000001.tif, Anhaengende Zeichnung)
MCLM Verfahren zum Einstellen einer Position wenigstens einer Fuehrungs-
und/oder Transportrolle fuer Bedruckstoffe in einer Druckmaschine,
gekennzeichnet durch die folgenden Schritte:
- Anbringen wenigstens eines Messgebers an der Fuehrungs- und/oder
Transportrolle,
- Erfassen von Daten des wenigstens einen Messgebers in wenigstens drei
unterschiedlichen Drehpositionen der Fuehrungs- und/oder Transportrolle
mittels wenigstens einer Erfassungseinheit, und wobei die Daten des
Messgebers optisch durch eine Kamera erfasst werden,
- Auswerten der erfassten Daten mittels einer Auswerteeinheit, zum
Ermitteln einer Position der Fuehrungs- und/oder Transportrolle, und
- Einstellen der Position der Fuehrungs- und/oder Transportrolle,
basierend auf den so ermittelten Ist-Positionsdaten, um die Fuehrungs-
und/oder Transportrollen relativ zueinander auszurichten.



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AN DE10108809 PATDPAFULL ED 20021107 EW 200236
TI Vorrichtung zum Verbinden einer Kanuele fuer Herzpumpen mit dem Herz
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DT Patent
LA German
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ICM A61M001-12
DETD Die Erfindung betrifft eine Vorrichtung zum Verbinden einer Kanuele fuer Herzpumpen mit dem Herz.

Da von einer Herzpumpe ein bestaendiger Sog ausgeht, ist nicht auszuschliessen, dass im Falle einer zu geringen Blutfuellung der Herzkammer Wandstrukturen der Herzwand oder Herzscheidewand die

Einlassoeffnung der Kanuele 2 abdecken.

Der obere Rand der Kanuelenspitze 13, die in die linke Herzkammer hineinragt, ist wellenfoermig geformt und mit tiefen, halbkreisfoermigen Aussparungen versehen.

Durch die Aussparungen wird in diesem Falle eine vollstaendige Okklusion Der Oeffnung verhindert, so dass weiterhin Blut aus dem Ventrikel in die Einlasskanuele fliessen kann.

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Die mittlere Schicht (Silikon) hat am inneren Radius eine Lippe, so dass der innere Durchmesser des Nahtrings in der Hoehe der Lippe geringfuegig kleiner ist als der Aussendurchmesser der Einlasskanuelenspitze.

Dies bietet folgenden Vorteil: Ist der Nahtring 1 aufgebracht und befestigt, wird die Spitze 13 der Einlasskanuele durch die Oeffnung des Nahtrings 1 hindurchgeschoben.

Bereits jetzt kommt durch den Kontakt der Silikonlippe 8 mit der Aussenseite der Einlasskanuelenspitze 13 eine Dichtigkeit zustande und es Besteht gleichzeitig die Option, die Einlasskanuele im Nahtring 1 zu verdrehen, bis die optimale Position gefunden ist. Erst dann wird der Nahtring 1 mit dem Nahtflansch 14 durch eine Naht verbunden und fixiert.

Bezugszeichenliste

- 1 Nahtring
- 2 Kanuele
- 3 Hohlorgan, z. B. Herz
- 4 Mittelschicht
- 5 Aussenschicht
- 6 Aussenschicht
- 7 Gewebe
- 8 Lippe
- 9 Naht
- 10 Pumpenanschlussbereich
- 11 Herzverbindungsbereich
- 12 Winkelstueck
- 13 Kanuelenspitze
- 14 Nahtflansch
- 15 -
- 16 -
- 17 -

- CLM 1. Vorrichtung zum Verbinden einer Kanuele fuer Herzpumpen mit dem Herz, dadurch gekennzeichnet, dass eine Kanuelenspitze (13) der Kanuele (2) eine unregelmassige Begrenzung aufweist.
2. Vorrichtung nach Anspruch 1, dadurch gekennzeichnet, dass die Kanuele (2) mit einem am Herzen annaehbaren Nahtring (1) kombiniert ist.
3. Vorrichtung nach Anspruch 1 oder 2, dadurch gekennzeichnet, dass die Kanuele (2) einen Nahtflansch (14) aufweist.
4. Vorrichtung nach einem der Ansprueche 1 bis 3, dadurch gekennzeichnet, dass der Nahtring (1) mit dem Nahtflansch (14) verbindbar ist.
5. Vorrichtung nach einem der Ansprueche 1 bis 4, dadurch gekennzeichnet, dass der Rand der Kanuelenspitze (13) wellental- und wellenbergaehnlich geformt ist.
6. Vorrichtung nach einem der Ansprueche 1 bis 5, dadurch gekennzeichnet, dass die Kanuele (2) mindestens in Teilbereichen aus flexiblen formstabilen Materialien besteht.
7. Vorrichtung nach einem der Ansprueche 1 bis 6, dadurch gekennzeichnet,

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dass die flexiblen und formstabilen Materialien aus Silikon ggf. mit Gewebe verstaerkt bestehen.

8. Vorrichtung nach einem der Anspruech 1 bis 7, dadurch gekennzeichnet, dass der Nahtring (1) mehrschichtig aufgebaut ist.

DISPLAY STD.M

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