

PATDPAFULL contains the full text of German published patent applications (Offenlegungsschriften) from 1987, granted patents (Patentschriften) from 1990, translations of European patent documents (T2, T3, T4 documents) from 1992, translations of PCT-applications (T5 documents) from 2004, as well as German utility models (Gebrauchsmuster) from 1999, 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.

PATDPAFULL contains an online thesaurus in the /IPC field.

SUBJECT COVERAGE

- All patent relevant fields, i.e. all classes of the International Patent Classification

SOURCES

- German Patent Applications (Offenlegungsschriften) since 1987
- Granted Patents (Patentschriften) since 1990
- Translations of European Patent Documents (T2, T3, T4 documents) since 1992
- Translations of PCT-applications (T5 documents) since 2004
- German Utility Models (Gebrauchsmuster) since 1999

FILE DATA

- 1987 to present (12/07): 2.084.835 records
- Updated weekly
- Automatic current-awareness searches (SDIs) are run weekly

PRODUCER

Deutsches Patent- und Markenamt
Zweibrückenstr. 12
80331 München
Germany
Phone: +49 89/2195-1
Fax: +49 89/2195-2221
Copyright Holder

SUPPLIER

FIZ Karlsruhe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: +49 7247 808-555
Fax: +49 7247 808-131

USER AIDS

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

SEARCH AND DISPLAY FIELDS

Search Field Name	Search Code	Search Examples	Display Code
Basic Index (contains single words from Abstract (AB), title (TI), claims (CLM), and detailed description (DETD) fields) 1)	None or /BI	S KUEHLUNG (S) ACHSE?	AB, CLM, DETD, TI
Abstract	/AB	S (METALLPLATTE AND ELASTIZITAET)/AB	AI
Application Country	/AC	S EP/AC	AI
Application Date 2)	/AD	S AD=AUG 2002	AI
Agent 3)	/AG	S HENKEL MUENCHEN/AG	AG
Application Kind Code	/AK	S EPA/AK	AI
Accession Number	/AN	S DE19983487/AN	AN
Application Number 4)	/AP (/APPS)	S DE2000-10000011/AP	AI
Application Year 2)	/AY	S 1999-2000/AY	AI
Claims	/CLM	S TELEKOMMUNIKATIONSNETZWERK/CLM	CLM
Number of Claims 2)	/CLMN	S CLMN>=8 AND L2	CLMN
Number of Detailed Description 2)	/DETN	S DETN < 9	DETN
Document Type (code and text)	/DT (/TC)	S UTILITY MODEL/DT	DT
Entry Date 2)	/ED	S 19981015/ED	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
IPC, Additional (supplementary)	/ICA	S F01N003/ICA	ICA
IPC, Index (complementary)	/ICI	S C07D205:08/ICI	ICI
IPC, Main	/ICM	S B21B001-00/ICM	ICM
IPC, Secondary	/ICS	S C01B003-12/ICS	ICS
Inventor (current and old)	/IN (/AU)	S PETERS/IN S PETERS BERLIN/IN	IN
Inventor Address	/INA	S SPAIN/INA	INA
IPC (contains ICM, ICS, ICA, ICI, IPCI, IPCR) 5)	/IPC	S A01B001/IPC S H05B0006-36-H05B0006-44/IPC S H05B0006-36+NT/IPC	IPC
IPC, Action Date	/IPC.ACD	S 13 JAN 2006/IPC.ACD	IPC.TAB
IPC, Keyword Terms	/IPC.KW	S C12N0009/IPC (S) I/IPC.KW	IPC.TAB
IPC, Version	/IPC.VER	S 200601/IPC.VER	IPC.TAB
IPC, Initial	/IPCI	S H01L0023-29/IPCI	IPCI
IPC, Reclassified	IPCR	S C08L0061-00/IPCR	IPCR
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
IPC Main Group (range searchable) 2,6)	/MGR	S H01R/ICM (L) 15-23/MGR	not displayed
Patent Assignee	/PA (/CS)	S MELITTA/PA	PA
Patent Assignee Address	/PAA	S NETHERLANDS/PAA	PAA
Patent Country (code and text)	/PC	S (WO OR EP)/PC	PI
Publication Date 2)	/PD	S 20030227/PD	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 2)	/PN (/PATS)	S DE20020004/PN	PI

- 1) In addition to right truncation, simultaneous left and right truncation are available in this field. At least 4 characters need to be used for the length of the stem.
- 2) Numeric search field that may be searched using numeric operators or ranges.
- 3) Search with implied (S) proximity is available in this field.
- 4) 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.
- 5) A thesaurus is available in this field.
- 6) Valid until IPC version 7 only.

SEARCH AND DISPLAY FIELDS (continued)

Search Field Name	Search Code	Search Examples	Display Code
Priority Country (code and text)	/PRC	S AU/PRC S AUSTRIA/PRC	PRAI
Priority Date 2)	/PRD	S MAY 1999 - JUN 2000/PRD	PRAI
Priority Number (original input) 2)	/PRN	S DE2000-100 00 158./PRN	PRAI
Priority Year 2)	/PRY	S 2000-2001/PRY	PRAI
Priority Year, First 2)	/PRYF	S PRYF<1989	
Publication Year 2)	/PY	S PY>=2001	PI
Referenced Non-Patent Literature	/REN	S KRAFTWERKSTECHNIK/REN	REN
Related Application Country (code and text)	/RLC	S DE/RLC	RLI
Related Application Date 2)	/RLD	S 19990119/RLD	RLI
Related Application Kind Code	/RLK	S DEA3/RLK	RLI
Related Application Number 4)	/RLN	S DE2000-10000447/RLN	RLI
Related Application Type	/RLT	S ADD ZUSATZANMELDUNG/RLT	RLI
Related Application Year 2)	/RLY	S 2002/RLY	RLI
Referenced Patent Country	/RPC	S DK/RPC S DENMARK/RPC	REP
Referenced Patent Number (by examiner) 2)	/RPN	S 43434319752 A1/RPN	REP
IPC Subgroup Range-Searchable 2,6)	/SGR	S 600-650/SGR	not displayed
Serial Number	/SN	S DE10000011.8/SN	SN
Title	/TI	S ROTATION?/TI	TI
Update Date 2)	/UP	S UP = MAR 2003	UP

- 2) Numeric search field that may be searched using numeric operators or ranges.
- 4) 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.
- 6) Valid until IPC version 7 only.

Super Search Fields 1)

Search Field Name	Search Code	Fields Searched	Search Examples	Display Codes
Short Basic Index	/SBI	/AB, /TI, /MCLM	S ANATOMIE/SBI	AB, TI, MCLM

- 1) Enter a super search code 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.

IPC Thesaurus

The classifications 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. The IPC thesauri are available for records from 1967 to the present.

Relationship-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

IPC Thesaurus (continued)

Relationship-Code	Content	Examples
CORE (COR) ED HIE	Core Codes for the Advanced Level IPC Code Complete title of the SELF term and IPC manual edition Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT)	E G08C0019-22+CORE/IPC E C01F001-00+ED/IPC E C011003-00+HIE/IPC
INDEX KT NEXT NT PREV RT (SIB) TI	Complete title of the SELF term Keyword Term (catchwords) (SELF, KT) Next Classification Narrower Terms (SELF, NT) Previous Classification Related Terms (SELF, RT) Complete Title of the SELF Term and Broader Terms (BT, SELF)	E C01F001-00+INDEX/IPC E CYANOGEN+KT/IPC E C01C001-00+NEXT5/IPC E C01C+NT/IPC E C01C001-12+PREV10/IPC E C01C003-20+RT/IPC E C01F001-00+TI/IPC

DISPLAY AND PRINT FORMATS

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

You can combine all display fields and all display formats with the qualifier .M to display the content for all levels of the record.

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

More information about display fields for specific types of information is available by typing one of the following 'HELP' commands at an arrow prompt (=>) in the PATDPAFULL database:

- HELP DFIELDS - lists all valid custom formats
- HELP EFIELDS - lists all selectable fields
- HELP FORMATS - lists valid predefined formats
- HELP SRTFIELDS - lists valid sort fields

Format	Definition	Examples
AB	Abstract	D TI AB 1-5
AG	Agent	D AG
AI	Application Information	D AI
AN	Accession Number	D L3 AN
CLM	Claims	
CLMN	Number of Claims	D CLMN
DETD	Detailed Description	D DETD
DETN	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
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 (current)	D ICD
IN	Inventor	D IN

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.

DISPLAY AND PRINT FORMATS (continued)

Format	Definition	Examples
INA IPC IPCI IPCR LA LAF LS LS2 MCLM PA PAA PI PIT PRAI REN REP RLI SN SOD TI UP	Inventor, Address International Patent Classification (ICM, ICS, ICA, ICI, IPCI, IPCR) IPC, Initial IPC, Reclassified Language Language , Filing Legal Status (from the INPADOCDB database) Legal Status (from the INPADOCDB database), detailed version with display headers Main Claim Patent Assignee Patent Assignee Address Patent Information Patent Information Publication Type Priority Information Referenced Non-Patent Literature Referenced Patent Literature Related Application Information System Number (AKZ or Serial No.) Size of Document Title Update Date	D IPCI D IPCR D LA D LS D MCLM D PA D PAA D PI D PIT D PRAI D REN D REP D RLI D SN D SOD D TI D UP
ALL BIB BIB.M BRIEF IALL IBIB IBRIEF ISTD IND (IPC) FAM CFAM IPC.TAB SCAN	1) BIB plus IND plus AB plus TX 1) AB, AG, AI, AN, DT, ED, EW, IN, LA, LAF, PI, PIT, PRAI, REN, REP, RLI, TI 1) BIB for all levels of publication (BIB.M is the default) 1) STD plus AB, MCLM 1) ALL, indented with text labels 1) BIB, indented with text labels 1) BRIEF, indented with text labels 1) STD, indented with text labels 1) ICM, ICS, ICA, ICI, IPCR, IPCI AN, table of patent family information (from the INPADOCDB database) Condensed family format (from the INPADOCDB database) IPC, IPC.KW, IPC.ACD, IPC.VER in tabular format 2) TI (random display without answer numbers)	D ALL D BIB D BIB.M D BRIEF D IALL D IBIB D IBRIEF D CFAM D SCAN
STD TRIAL (SAMPLE, TRI, FREE) TX	1) BIB plus IND CLMN, DETN, ED, EW, FA, PGC, SOD, TI (all levels of publication) DETD, CLM	 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 OCC 1-6

- 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) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, AND SORT CODES

The SELECT command is used to create E-numbered or L-numbered lists of terms taken from the specified field(s) 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 alphanumeric (A) or numeric (N) order of the specified field(s).

Definition	Code	Analyze/ Select 1)	Sort
Abstract	AB	x	-
Application Country	AC	x	-
Application Date	AD	x	-
Agent	AG	x	A
Application Information	AI	x	A
Application Information for all levels	AI.M	x	A
Application Kind Code	AK	x	A
Accession Number	AN	x	A
Application Number	AP	x	-
Application Number Group	APPS	x 2)	-
Application Year	AY	x	-
Claims	CLM	x	A
Claims for all levels	CLM.M	x	A
Number of Claims	CLMN	x	-
Number of Claims for all levels	CLMN.M	x	-
Detailed Description	DETD	x	-
Number of Detailed Description	DETN		
Document Type	DT (TC)	x	A
Entry Date	ED	x	N
Field Availability	FA	x	-
International Patent Classification	IC	x 3)	-
IPC, Additional (supplementary)	ICA	x	-
IPC, Index (complementary)	ICI	x	-
IPC, Main	ICM	x	A
IPC, Secondary	ICS	x	-
Inventor	IN	x	-
Inventor for all levels	IN.M	x	-
Inventor Address	INA	x	-
Inventor Address for all levels	INA.M	x	-
IPC (ICM, ICS, ICA, ICI, IPCI, IPCR)	IPC	x	-
IPC, Advanced Level Symbols	IPC.A	x 4)	-
IPC, Advanced Level Symbols for Invention	IPC.AI	x 4)	-
IPC, Core Level Symbols	IPC.C	x 4)	-
IPC, Core Level Symbols for Invention	IPC.CI	x 4)	-
Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006 onwards	IPC.F	x 4)	-
International Patent Classification, Max	IPC.M	x	-
IPC, Initial	IPCI	x	-
IPC, Reclassified	IPCR	x	-
Language	LA	x	A
Main Claim	MCLM	x	-
Main Claim for all levels	MCLM.M	x	-
Occurrence Count of HIT Terms	OCC	-	N
Patent Assignee	PA	x	A
Patent Assignee for all levels	PA.M	x	A
Patent Assignee Address	PAA	x	-
Patent Assignee Address for all levels	PAA.M	x	-

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.

SELECT, ANALYZE, AND SORT CODES (continued)

Definition	Code	Analyze/ Select 1)	Sort
Patent Publication Country	PC	x	N
Patent Publication Date	PD	x	N
Patent Publication Date for all levels	PD.M	x	-
Patent Information Publication Type	PIT	x	A
Patent Kind Code	PK	x	A
Patent Kind Code for all levels	PK.M	x	-
Patent Number	PN (PI)	x (default)	A
Patent Number for all levels	PN.M (PI.M)	x	-
Priority Country	PRC	x	A
Priority Date	PRD	x	N
Priority Number	PRN (PRAI)	x	A
Priority Number for all levels	PRN.M (PRAI.M)	x	A
Priority Year	PRY	x	N
Publication Year	PY	x	N
Publication Year for all levels	PY.M	x	-
Reference Patent Literature	REP	x	-
Reference Patents Literature for all levels	REP:M	x	-
Related Application Information	RLI	x	-
Serial Number	SN	x	A
Size of Document	SOD	x	-
Title	TI	x	A
Update Date	UP	x	N

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.

SAMPLE RECORDS

DISPLAY ALL

```

AN      DE10108809 PATDPAFULL ED 20021107 EW 200236
TI      Vorrichtung zum Verbinden einer Kanuele fuer Herzpumpen mit dem Herz
IN      Goettel, Peter, Dr., 10115 Berlin, DE;
        Kilic, Ali, 10963 Berlin, DE;
        Mueller, Johannes, Dr., 10717 Berlin, DE;
        Nuesser, Peter, Dr., 13051 Berlin, DE;
        Ries, Dietmar, 10247 Berlin, DE;
        Wunderlich, Klaus, 14129 Berlin, DE;
        Peters, Hans-Erhard, Dr., 10437 Berlin, DE
PA      Berlin Heart AG, 12247 Berlin, DE
AG      Anwaltskanzlei Gulde Hengelhaupt Ziebig & Schneider, 10117 Berlin
DT      Patent
LA      German
PIT     DEA1 DE-Offenlegungsschrift
PI      DE 10108809          A1 20020905
AI      DE 2001-10108809    A 20010216
PRAI    DE 2001-10108809    20010216
ICM     A61M001-12
DETD    Die Erfindung betrifft eine Vorrichtung zum Verbinden
        einer Kanuele fuer Herzpumpen mit dem Herz.
    
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DISPLAY ALL (continued)

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.

.
. .
. .
. .

Die mittlerste 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
unregelmaessige 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 wellenbergaeahnlich 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, 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

```
AN      DE102004027900 PATDPAFULL ED 20060113 EW 200601
TI      Fahrzeugsitz
IN      Erfinder identisch mit Anmelder (IDIN)
        Zapf, Otto, 61462 Koenigstein, DE
PA      Zapf, Otto, 61462 Koenigstein, DE
AG      Dannenberg, Schubert, Gudel, 60313 Frankfurt
DT      Patent
PIT     DEA1 Offenlegungsschrift
PITX    DEA1-406 OFFENLEGUNGSSCHRIFT, 8-MONATS-AKTEN
PI      DE 102004027900 A1 20060105
AI      DE 2004-102004027900 A 20040609
PRAI    DE 2004-102004027900 A 20040609
IPCR    B60N0002-66 [I,A]; B61D0033-00 [I,A]; B60N0002-20 [I,A]
        B60N0002-64 [I,C*]; B61D0033-00 [I,C*]; B60N0002-02 [I,C*]

AN      DE102004027900 PATDPAFULL ED 20060330 EW 200613
TI      Fahrzeugsitz
IN      Erfinder identisch mit Anmelder (IDIN)
        Zapf, Otto, 61462 Koenigstein, DE
PA      Zapf, Otto, 61462 Koenigstein, DE
AG      Dannenberg, Schubert, Gudel, 60313 Frankfurt
DT      Patent
PIT     DEB4 Patentschrift
PITX    DEB4-475 PATENTSCHRIFT, (NORMAL) NEUES RECHT
PI      DE 102004027900 B4 20060330
AI      DE 2004-102004027900 A 20040609
PRAI    DE 2004-102004027900 A 20040609
IPCI    B60N0002-66 [I,A]; B61D0033-00 [I,A]; B60N0002-20 [I,A]
        B60N0002-64 [I,C*]; B61D0033-00 [I,C*]; B60N0002-02 [I,C*]
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