

FORM PTO-1619A

Expires 06/30/99  
OMB 0651-0027

03-15-2004

U.S. Department of Commerce  
Patent and Trademark Office

PATENT

102693933

3-11-04

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Document ID#Correction of PTO Error  
Reel # Frame #Corrective Document  
Reel # 13813 Frame # 224

## Conveyance Type



Assignment



Security Agreement



License



Change of Name



Merger



Other

U.S. Government

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Departmental File



Secret File

## Conveying Party(ies)



Mark if additional names of conveying parties attached

Execution Date  
Month Day Year

10052001

Name (line1) Bruker AG

Name (line2)

## Second Party

Name (line1)

Name (line2)

Execution Date  
Month Day Year

## Receiving Party



Mark if additional names of receiving parties attached

Name (line 1) Bruker BioSpin Ag

Name (line 2)

Address (line 1) Industriestrasse 26

Address (line 2)

Enter for the first Receiving Party only.

Address (line 3) Fällanden  
CitySwitzerland  
State/Country8117  
Zip Code☐ If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic  
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separate document from  
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## Domestic Representative Name and Address

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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03/12/2004 11 AM 7:02  
OPR/FINANCE  
021945 544012  
00000035  
01 PC:0021

PATENT

REEL: 015065 FRAME: 0731

## Correspondent Name and Address

Area Code and Telephone Number (617) 367-4600

Name Philip L. Conrad, Esq.

Address (line 1) Kudirka &amp; Jobse, LLP

Address (line 2) One State Street, Suite 800

Address (line 3) Boston, MA 02109

Address (line 4)

## Pages

Enter the total number of pages of the attached conveyance document  
including any attachments.

# 2

## Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

5448170

If this document is being filed together with a new Patent Application, enter the date the patent application was  
signed by the first named executing inventor.

Month Day Year

## Patent Cooperation Treaty (PCT)

PCT

PCT

PCT

Enter PCT application number

only if a U.S. Application Number PCT

Has not been assigned.

PCT

PCT

## Number of Properties

Enter the total number of properties involved.

# 1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$40.00

Method of Payment:

Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 02-3038

Authorization to charge additional fees:

Yes ☒No ☐

## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any  
attached copy is a true copy of the original document. Charges to deposit account are authorized, as  
indicated herein.

Philip L. Conrad

Name of Person Signing

Philip L. Conrad  
SignatureMarch 9, 2004  
Date

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027



03-10-2003



102384816

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**RECORDATION FORM COVER SHEET  
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3.4.03

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or cop(ies).

**Submission Type**

- ☒ **New**
- ☐ **Resubmission (Non-Recordation)**  
Document ID#
- ☐ **Correction of PTO Error**  
Reel # Frame #
- ☐ **Corrective Document**  
Reel # Frame #

**Conveyance Type**

- ☐ **Assignment** ☐ **Security Agreement**
- ☐ **License** ☒ **Change of Name**
- ☐ **Merger** ☐ **Other**  
**U.S. Government**  
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- ☐ **Departmental File** ☐ **Secret File**

**Conveying Party(ies)**

- ☐ Mark if additional names of conveying parties attached Execution Date  
Month Day Year  
10052001

Name (line1) Bruker AG

Name (line2)

**Second Party**

Name (line1)

Name (line2)

Execution Date  
Month Day Year

**Receiving Party**

- ☐ Mark if additional names of receiving parties attached
- ☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Bruker BioSpin AG

Name (line 2)

Address (line 1) Silberstreifen

Address (line 2)

Address (line 3) Rheinstetten, 4

City

Germany

State/Country

D-76287

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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03/07/2003 DBYRNE 00000178 5448170

01 FC:8021

40.00 DP

**PATENT**  
**REEL: 015065 FRAME: 0733**

## Correspondent Name and Address

Area Code and Telephone Number (617) 367-4600

Name Philip L. Conrad, Esq.

Address (line 1) Kudirka &amp; Jobse, LLP

Address (line 2) One State Street

Address (line 3) Suite 1510

Address (line 4) Boston, MA 02109

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☐

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

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PCT

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only if a U.S. Application Number PCT

Has not been assigned.

PCT

PCT

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Enter the total number of properties involved.

# 1

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Fee Amount for Properties Listed (37 CFR 3.41):

\$40.00

Method of Payment:

Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 02-3038

Authorization to charge additional fees:

Yes ☒No ☐

## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Philip L. Conrad

Name of Person Signing

Philip L. Conrad  
SignatureFebruary 24, 2003  
Date

**NOTIFICATION OF NAME CHANGE**

Docket No. K0005/7013

Patentees: Geoffrey Bodenhausen and Vladimir I. Ermakov  
Patent No.: 5,448,170  
Serial No: 08/164,137  
Issue Date: September 5, 1995  
For: A METHOD FOR EXCITING TRANSVERSE MAGNETISATION IN  
MAGNETIC RESONANCE

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on February 24, 2003.

  
Brenda A. Kantorski


Assistant Commissioner for Patents  
Washington, D.C. 20231

Notification is hereby given that the assignee of the above-referenced patent has changed its name, as indicated in the attached copy from the appropriate Trade Register (Canton of Zurich). This is a name change only, and no transfer of ownership of the patent has taken place. The former name of the assignee, Spectrospin AG, has been changed to Bruker AG and then to the current name:

**Bruker BioSpin AG**

The assignee's address remains unchanged. It is respectfully requested that this name change be recorded as part of the chain of title.

Respectfully submitted

  
Philip L. Conrad, Esq. Reg. No. 34,567  
KUDIRKA & JOBSE, LLP  
Customer Number 021127  
Tel: (617) 367-4600 Fax: (617) 367-4656

Date: February 24, 2003

# Handelsregist des Kantons Zürich Hauptregister

Company No CH-020.3.924.534-8	Legal status Limited or Corporation	Entry 24.06.1965	Cancelled	Carried 3.550.007.002 from: 020.3.924.534-8/a on:	1
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Every inscriptions

In	Ca	Corporate name	Ref	Legal seat
1		Speetrespin AG	1	Fällanden
7		Bruker AG		
11		Bruker Biospin AG		

Ref	Share capital (CHF)	Paid-in (CHF)	Shares	Ref	Company address
1	5'000'000.--	5'000'000.--	50'000 Inhaberaktien zu CHF 100.--	1	Industriestrasse 26
11			50'000 Namenaktien zu CHF 100.--		8117 Fällanden
Ref	Part. capital (CHF)	Paid-in (CHF)	Participation certificates		

In	Ca	Purpose	Ref	Postal address
1	5	<del>Fabrikation und Vertrieb von wissenschaftlichen Geräten, Erwerb und Auswertung von Patenten, Beteiligung an Unternehmen ähnlicher Art, Planung und Bau von Forschungsanlagen und Instituten, insbesondere auf dem Gebiet der magnetischen Resonanz, usw.</del>		
5		Fabrikation und Vertrieb von wissenschaftlichen Geräten, Erwerb und Auswertung von Patenten, Beteiligung an Unternehmen ähnlicher Art, Planung und Bau von Forschungsanlagen und Instituten, insbesondere auf dem Gebiete der magnetischen Resonanz; kann sich an anderen Unternehmen beteiligen sowie Grundstücke erwerben, halten und veräussern.		

In	Ca	Remarks	Ref	Date of the acts
1		Der von einer bisherigen Registerkarte übertragene Auszug enthält keine vor dem Uebertrag gestrichenen Tatsachen, und auch keine allfälligen früheren Statutendaten oder Tagebuch- und SHAB-Zitate. Diese können auf der im Feld "Uebertrag von" bezeichneten Handelsregisterkarte eingesehen werden.	1	10.04.1981
			5	21.03.1997
			7	16.06.1998
5		Mitteilungen an die Aktionäre erfolgen, sofern die Adressen sämtlicher Aktionäre bekannt sind, rechtsgültig mit eingeschriebenem Brief, andernfalls durch Veröffentlichung im SHAB.	11	26.09.2001

In	Ca	Qualified facts	Ref	Official publication
1	5	<del>Uebernimmt 375 Aktien der Bruker Physik Aktiengesellschaft, Karlsruhe, zu DM 1'000.--, zum Gesamtpreis von CHF 400'000.--, voll auf das Grundkapital angerechnet.</del>	1	SHAB

In	Ca	Branch offices	In	Ca	Branch offices	In	Ca	Branch offices	In	Ca	Branch offices

Vis	Ref	No-journal	Date	STRJ	Date STRJ	Page	Vis	Ref	No-journal	Date	STRJ	Date STRJ	Page
DE	0		(Auslassung)		(Auslassung)		LO	7	14186	26.06.1998	125	02.07.1998	4552
MN	1	9819	21.05.1991	103	31.05.1991	2351	HO	8	26803	03.12.1999	241	10.12.1999	8373
ZI	2	18764	20.09.1993	192	04.10.1993	5170	LO	9	811	10.01.2000	10	14.01.2000	280
HO	3	6750	28.03.1996	66	03.04.1996	1909	HO	10	27380	17.11.2000	229	23.11.2000	7976
ZT	4	23217	28.10.1996	213	01.11.1996	6696	GF	11	26357	05.10.2001	197	11.10.2001	7943
KA	5	7007	27.03.1997	63	04.04.1997	2238							
SV	6	22532	01.10.1997	192	07.10.1997	7313							

Leg: P = President of the board      Man= Manager      SS = Single signature  
 VP = Vicepresident of the board      r.t= restricted to      JS = Joined signature  
 Del= Delegated of the board      GD = Generaldirector      MO = Main office      SA = Single agent signature  
 M = Member of the board      D = Director      BO = Branch office      JA = Joint agent signature  
 S = Secretary of the board      VD = Vicedirector      SR = Signature rights      Ass= assistant

Ins	Mod	Can	Personalities	Function	Signature
1		11	Eigenheer, Robert, von Zürich, in Meilen	president	JS at two
1			Ernst, Prof. Dr. Richard R., von Winterthur, in Winterthur	vicepresident	JS at two
1		8	Bührer, Dr. Alfred Hermann, von Schaffhausen, Dibbern und Hofen, in Zumikon	member	JS at two
1		6	Laukien, Dr. Günter R., deutscher Staatsangehöriger, in Rheinstetten (Deutschland)	member	JS at two
1			Schwammberger, Dr. Rolf, von Zürich, in Zumikon	member	JS at two
1			Schett, Oskar, von Bad Ragaz, in Uster	director	JS at two
1		6	Tschopp, Dr. Werner, von Waldenburg BL, in Maur	director	JS at two
1		3	Englin, Judith, von Rothenturm, in Volketswil		JA at two
1		6m	Keller, Toni, von Kenolfingen, in Uster		JA at two

Zürich, 23.10.2001 08:21

Continuation on the following page 2

**PATENT**  
**REEL: 015065 FRAME: 0736**

CH-020.3.924.534-8	Bruker BioSpin AG	Fällanden	2
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Every inscriptions

Ins	Mod	Can	Personalities	Function	Signature
1			Kuster, Anton, von Eschenbach SG, in Greifensee		JA at two
1		6m	Schittenhelm, Werner, von Dotnach, in Uster		JA at two
2		10	KPMC Fides Peat, in Zürich	office of revision	
4			Laukien-Mahler, Isolde, deutsche Staatsangehörige, in Rheinstetten (D)	member	JS at two
6			Jeker, Dr. René, von Büsserach, in Hombrechtikon	director	JS at two
6			Laukien, Dr. Dirk, deutscher Staatsangehöriger, in Fällanden	director	JS at two
6	6		Schittenhelm, Werner, von Dotnach, in Illnau-Effretikon	director	JS at two
6			Büsser, Lilian, von Schänis, in Greifensee		JA at two
8	6	11m	Keller, Dr. h.c. Toni, von Konolfingen, in Rheinstetten (D)		JA at two
8		9m	Sauter, Daniel, von Zürich, in Meilen	member	JS at two
10	9		Sauter, Dr. Daniel, von Zürich, in Meilen	member	JS at two
			Ernst & Young AG, in Zürich	office of revision	
11			Keller, Dr. h.c. Toni, von Konolfingen, in Rheinstetten (D)	president	JS at two

Zürich, 23.10.2001 08:21



Beglaubigter

Auszug

Der Registerführer i.V.

This extract from the cantonal Registry Office is not valid without the original authentication on the left. The extract contains all currently valid entries for the company in question as well as any entries deleted since the date of 21.05.1991. On special request it is also possible to provide an extract containing all currently valid entries only. The Commercial Registry Office of the Canton of Zurich does not accept any liability for this extract from the Commercial Register not being accepted as sufficient proof of the facts stated therein at its place of destination.

Herewith the undersigning patent attorney certifies that this is a true and complete copy drawn from an original register extract certified by Handelsregisteramt Kanton Zürich.

Stuttgart, 28. Jan. 2003

*Albrecht Bähring*  
(Dr. Albrecht Bähring)  
Patentanwalt

**Certified Translation of the non-English parts of the Trade Register of the  
Canton of Zürich - Main Register**

Company No. CH-020.3.924.534-8  
Bruker BioSpin AG

**Purpose**

Production and distribution of scientific devices; acquisition and assessment of patents; holding shares in companies of similar type; planning and construction of research plants and Institutes, in particular in the field of magnetic resonance. The company can have shares in other companies and acquire, maintain and sell estates.

**Remarks**

The excerpt transferred from a previous register card does not contain any facts which were deleted before transfer and no possibly existing earlier statute data or diary and SHAB citations either. These can be viewed on the trade register card referred to in the field "transferred from".

Information to the share holders is provided legally effectively with registered letter if the addresses of all share holders are known; otherwise through publication in the SHAB.

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This is to certify that the foregoing is a true and  
conscientious translation of the German original  
which was presented to me for translation.

Stuttgart, 16 September 2002

Interpreter for translation of documents from and into  
the English language duly appointed and sworn in for  
the Federal State of Baden-Württemberg:



*Claudia Franke*

Claudia Franke  
c/o Kohler Schmid + Partner  
Ruppmannstrasse 27  
D-70565 Stuttgart  
Phone: 0711 - 78 47 30  
Fax: 0711 - 78 00 996