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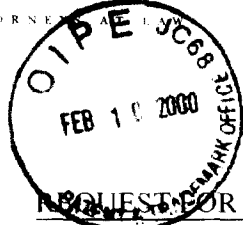
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06-09-2000



101346376

Attorney Docket: 31805-138598

NTS

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. §§ 3.28 AND 3.31

Please record the four attached original Assignments and Notary Public Certificate.

1. Name of parties conveying the interest:

Fried. Krupp AG Hoesch-Krupp

2. Name and address of party receiving the interest:

MAN Technologie AG
Stadtbachstrasse 1,
D-86153 Augsburg,
Germany

3. Description of the interest conveyed or transaction to be recorded:

[x] Assignments [x] Other: Notary Public Certificate

4. Patent Numbers: See attached Appendix A.

5. Address correspondence concerning this request to:

VENABLE, Post Office Box 34385, Washington, D.C. 20043-9998.

6. Number of Patents and total fee:

Patents: 15 patent rights @ \$40 Total: \$ 600.00

If a greater or lesser fee is required, please charge or credit Deposit Account No. 22-0261 accordingly and notify the undersigned.

7. Dates of execution of the four Assignments: December 15, 1999; December 16, 1999; December 16, 1999; and December 16, 1999. Date of execution of the Notary Public Certificate July 18, 1995 and additional certification of January 13, 1999.

To the best of the knowledge and belief of the undersigned, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: February 10, 2000

Attorney: Ashley J. Wells
Registration No.: 29,847

DC2-DOCS1-182091



03/02/2000 00000205 4493126 01 FC:501

APPENDIX A

List of Patents

U. S. Patent No. 4,493,122	Issued January 15, 1988
U. S. Patent No. 4,730,574	Issued March 15, 1988
U. S. Patent No. 5,179,751	Issued January 19, 1993
U. S. Patent No. 5,042,102	Issued August 27, 1991
U. S. Patent No. 5,329,652	Issued July 19, 1994
U. S. Patent No. 5,414,885	Issued May 16, 1995
U. S. Patent No. 5,423,101	Issued June 13, 1995
U. S. Patent No. 5,443,584	Issued August 22, 1995
U. S. Patent No. 5,457,836	Issued October 17, 1995
U. S. Patent No. 5,526,544	Issued June 18, 1996
U. S. Patent No. 5,507,057	Issued April 16, 1996
U. S. Patent No. 5,504,956	Issued April 09, 1996
U. S. Patent No. 5,724,691	Issued March 10, 1998
U. S. Patent Application No. 08/909,105	Filed August 12, 1997
(now U.S. Patent No. 5,920,936	Issued July 13, 1999)
U. S. Patent Application No. 09/175,314	Filed October 20, 1998

DC2-DOCs2-182123

ASSIGNMENT

WHEREAS Fried. Krupp AG Hoesch-Krupp, of Essen and Dortmund, Germany, hereinafter referred to as the assignor, is the owner of the entire right, title and interest in and to the following United States Letters Patents:

No. 4,493,122 dated Jan. 15, 1988

No. 4,730,574 dated March 15, 1988

AND WHEREAS MAN Technologie AG, of Stadtbachstrasse 1, D-86153 Augsburg, Germany, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said patents and any and all renewals, reissues and prolongations of said patents;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (US \$ 1.00), and other valuable consideration paid by said assignee to the said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns and transfers to said assignee, his successors and assignees, the entire right, title and interest in and to said patents and any and all renewals, reissues and prolongations of said patents; said assignee, his successors and assignees, to have, hold, exercise and enjoy said patents and any and all renewals, reissues and prolongations of said patents, during all the term of said patents and any and all renewals, reissues and prolongations thereof.

Executed this 15th day of December, 1988.

WITNESSES:

Signature

Martin Krüger

Name:

Martin Krüger

Address:

Spinozastr. 14,

D-45279 Essen

Signature:

Gisela Martschin

Name:

Gisela Martschin

Adress:

Am Nachtigallental 57,

D-45149 Essen

Fried. Krupp AG Hoesch-Krupp

By:

Ernst John

Name:

Ernst John

Title:

Authorized Officer

By:

Janusz Prus

Name:

Janusz Prus

Title:

Authorized Officer

DR. KURT SCHÜRMANN
Rechtsanwalt, Notar a.D.

HORST G. BRILL (1976 - 1989)
Rechtsanwalt und Notar

URSEL HUBMANN-DEINERT
Rechtsanwältin und Notarin

Kanzlei Dr. Kurt Schürmann pp · Altendorfer Str. 104 · 45143 Essen

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22 1207
22 1208
Telefax: 0201 / 225124

Ihr Zeichen

Unser Zeichen

Datum

bc

July 18, 1995

- Number 735 of the Register of Instruments for 1995 -

Certificate

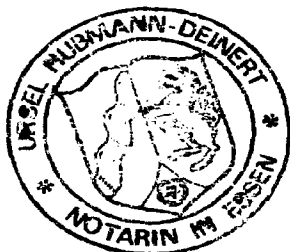
I, the undersigned notary public Ursel Hubmann-Deinert with registered office in Essen, hereby certify:

1. On the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 833 dated March 27, 1992, and No. HRB 9633 dated December 16, 1992, before me, that the limited liability company Fried. Krupp GmbH in Essen was converted into the stock corporation Fried. Krupp AG by resolution of the shareholders dated March 12, 1992, pursuant to Art. 379 of the German Stock Corporation Act (AktienG). The conversion was entered in the Commercial Register of Essen local court, No. HRB 833, on March 23, 1992. Fried. Krupp AG was entered in the Commercial Register of Essen local court, No. HRB 9633, on March 23, 1992.

2. On the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 9633, dated December 16, 1992, and of Dortmund local court, No. HRB 2182, dated January 19, 1993, before me, that Hoesch Aktiengesellschaft in Dortmund was merged with Fried. Krupp AG by absorption on the basis of a Merger Agreement dated June 9, 1992, and the resolutions of the two Shareholders' Meetings on June 12, 1992, and July 27, 1992, and the name of the transferring company ceased to exist.

The merger was entered in the Commercial Register of Essen local court, No. HRB 9633 on December 8, 1992, and in the Commercial Register of Dortmund local court, No. HRB 2182, on December 8, 1992.

3. Further, on the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 9633, dated February 1, 1993, and of Dortmund local court, No. HRB 10455, dated February 16, 1993, before me, I certify that by resolution of the Shareholders' Meeting on June 12, 1992, the name of Fried. Krupp AG in Essen was changed to "Fried. Krupp AG Hoesch-Krupp" and a dual domicile in Essen and Dortmund was established. The change of name was entered in the Commercial Register of Essen local court, No. HRB 9633, on December 8, 1992. The name was entered in the Commercial Register of Dortmund local court, No. HRB 10455, on December 8, 1992.

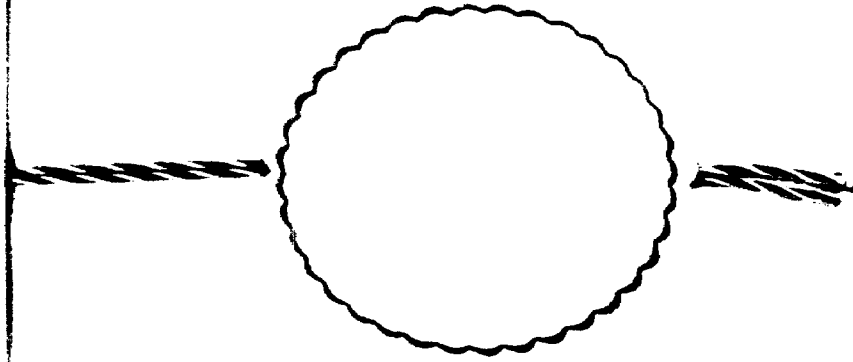


U - D
Notary public

I hereby certify that the above is a true copy of the original.

Essen, 13-01-1999

h - M
Notary



PATENT

REEL: 010685 FRAME: 0061

ASSIGNMENT

WHEREAS Krupp Industrietechnik GmbH, of Duisburg, Germany, hereinafter referred to as the assignor, is the owner of the entire right, title and interest in and to the following United States Letters Patents:

No. 5,179,751 dated Jan. 19, 1993

No. 5,042,102 dated Aug 27, 1991

No. 5,329,652 dated July 19, 1994

AND WHEREAS MAN Technologie AG, of Stadtbachstrasse 1, D-86153 Augsburg, Germany, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said patents and any and all renewals, reissues and prolongations of said patents;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (US \$ 1.00), and other valuable consideration paid by said assignee to the said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns and transfers to said assignee, his successors and assignees, the entire right, title and interest in and to said patents and any and all renewals, reissues and prolongations of said patents; said assignee, his successors and assignees, to have, hold, exercise and enjoy said patents and any and all renewals, reissues and prolongations of said patents, during all the term of said patents and any and all renewals, reissues and prolongations thereof.

Executed this 16th day of December, 1998.

WITNESSES:

Signature: W. Henke

Name: WOLFGANG HENKE

Address: GRAZER STR. 26

D-47249 DUISBURG

Signature: W. Lambrecht

Name: Werner Lambrecht

Address: Stadtbachstr. 43

D-86153 ESSEN

Krupp Industrietechnik GmbH

By: Heide Mann

Name: HEIDEMANN

Title: MANAGER SALES

By: Werner Lambrecht

Name: Werner Lambrecht

Title: Authorized Officer

Certified copy

DR. KURT SCHÜRMANN
Rechtsanwalt, Notar a.D.

HORST G. BRILL (1976 - 1989)
Rechtsanwalt und Notar

URSEL HUBMANN-DEINERT
Rechtsanwältin und Notarin

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45143 Essen
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(neben Stadtparkasse)
Telefon: 0201 / 2398 17
221207
221208
Telefax: 0201 / 225124

Ihr Zeichen

Unser Zeichen

Datum

bc

July 18, 1995

- Number 735 of the Register of Instruments for 1995 -

Certificate

I, the undersigned notary public Ursel Hubmann-Deinert with registered office in Essen, hereby certify:

1. On the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 833 dated March 27, 1992, and No. HRB 9633 dated December 16, 1992, before me, that the limited liability company Fried. Krupp GmbH in Essen was converted into the stock corporation Fried. Krupp AG by resolution of the shareholders dated March 12, 1992, pursuant to Art. 379 of the German Stock Corporation Act (AktienG). The conversion was entered in the Commercial Register of Essen local court, No. HRB 833, on March 23, 1992. Fried. Krupp AG was entered in the Commercial Register of Essen local court, No. HRB 9633, on March 23, 1992.

Konten Deutsche Bank AG, Essen, Nr. 109/7708
Stadtparkasse Essen, Nr. 20 16 004
Postgiro Essen, Nr. 258 80-438

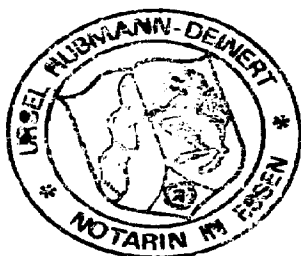
(BLZ 360 700 50)
(BLZ 360 501 05)
(BLZ 360 100 43)

PATENT
REEL: 010685 FRAME: 0063

2. On the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 9633, dated December 16, 1992, and of Dortmund local court, No. HRB 2182, dated January 19, 1993, before me, that Hoesch Aktiengesellschaft in Dortmund was merged with Fried. Krupp AG by absorption on the basis of a Merger Agreement dated June 9, 1992, and the resolutions of the two Shareholders' Meetings on June 12, 1992, and July 27, 1992, and the name of the transferring company ceased to exist.

The merger was entered in the Commercial Register of Essen local court, No. HRB 9633 on December 8, 1992, and in the Commercial Register of Dortmund local court, No. HRB 2182, on December 8, 1992.

3. Further, on the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 9633, dated February 1, 1993, and of Dortmund local court, No. HRB 10455, dated February 16, 1993, before me, I certify that by resolution of the Shareholders' Meeting on June 12, 1992, the name of Fried. Krupp AG in Essen was changed to "Fried. Krupp AG Hoesch-Krupp" and a dual domicile in Essen and Dortmund was established. The change of name was entered in the Commercial Register of Essen local court, No. HRB 9633, on December 8, 1992. The name was entered in the Commercial Register of Dortmund local court, No. HRB 10455, on December 8, 1992.



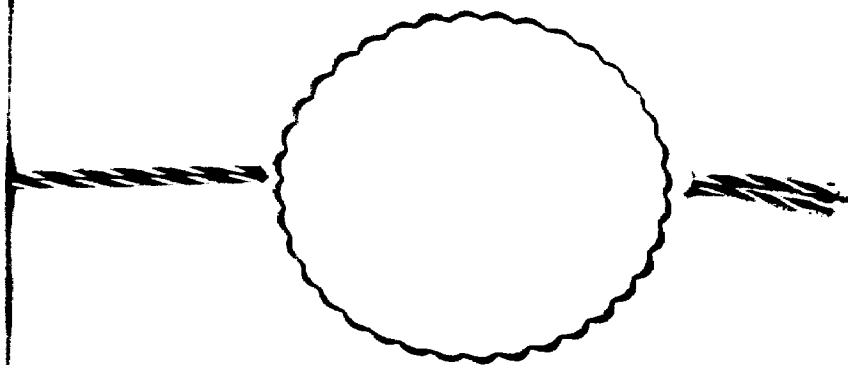
U - D
Notary public

I hereby certify that the above is a true copy of the original.

Essen, 13-01-1999

h - M

Notary



PATENT

REEL: 010685 FRAME: 0065

ASSIGNMENT

WHEREAS Krupp Fördertechnik GmbH, of Essen, formerly of Duisburg, Germany, hereinafter referred to as the assignor, is the owner of the entire right, title and interest in and to the following United States Letters Patents:

No. 5 414 885 dated May 16, 1995
No. 5 423 101 dated June 13, 1995
No. 5 443 584 dated Aug. 22, 1995
No. 5 457 836 dated Oct. 17, 1995
No. 5 526 544 dated June 18, 1996
No. 5 507 057 dated April 16, 1996
No. 5 504 956 dated April 09, 1996
No. 5 724 691 dated March 10, 1998

AND WHEREAS MAN Technologie AG, of Stadtbachstrasse 1, D-86153 Augsburg, Germany, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said patents and any and all renewals, reissues and prolongations of said patents;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (US \$ 1.00), and other valuable consideration paid by said assignee to the said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns and transfers to said assignee, his successors and assignees, the entire right, title and interest in and to said patents and any and all renewals, reissues and prolongations of said patents; said assignee, his successors and assignees, to have, hold, exercise and enjoy said patents and any and all renewals, reissues and prolongations of said patents, during all the term of said patents and any and all renewals, reissues and prolongations thereof.

Executed this 16th day of December, 1998.

WITNESSES:

Signature: W. Henke

Name: WOLFGANG HENKE

Address: GRAZER STR. 26

D-47249 DUISBURG

Signature: Ulrich Eggert

Name: Ulrich Eggert

Address: Reibent 54 43

D-45329 Essen

Krupp Fördertechnik GmbH

By: Gerhard Richardt

Name: Gerhard Richardt

Title: Authorized Officer

By: Werner Lambrecht

Name: Werner Lambrecht

Title: Authorized Officer

Certified copy

DR. KURT SCHÜRMANN
Rechtsanwalt, Notar a.D.

HORST G. BRILL (1976 - 1989)
Rechtsanwalt und Notar

URSEL HUBMANN-DEINERT
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Konten: Deutsche Bank AG, Essen, Nr. 109/7708
Stadtparkasse Essen, Nr. 20 16 004
Postgiro Essen, Nr. 258 80-438

(BLZ 360 700 50)
(BLZ 360 501 05)
(BLZ 360 100 43)

PATENT
REEL: 010685 FRAME: 0067

2. On the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 9633, dated December 16, 1992, and of Dortmund local court, No. HRB 2182, dated January 19, 1993, before me, that Hoesch Aktiengesellschaft in Dortmund was merged with Fried. Krupp AG by absorption on the basis of a Merger Agreement dated June 9, 1992, and the resolutions of the two Shareholders' Meetings on June 12, 1992, and July 27, 1992, and the name of the transferring company ceased to exist.

The merger was entered in the Commercial Register of Essen local court, No. HRB 9633 on December 8, 1992, and in the Commercial Register of Dortmund local court, No. HRB 2182, on December 8, 1992.

3. Further, on the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 9633, dated February 1, 1993, and of Dortmund local court, No. HRB 10455, dated February 16, 1993, before me, I certify that by resolution of the Shareholders' Meeting on June 12, 1992, the name of Fried. Krupp AG in Essen was changed to "Fried. Krupp AG Hoesch-Krupp" and a dual domicile in Essen and Dortmund was established. The change of name was entered in the Commercial Register of Essen local court, No. HRB 9633, on December 8, 1992. The name was entered in the Commercial Register of Dortmund local court, No. HRB 10455, on December 8, 1992.

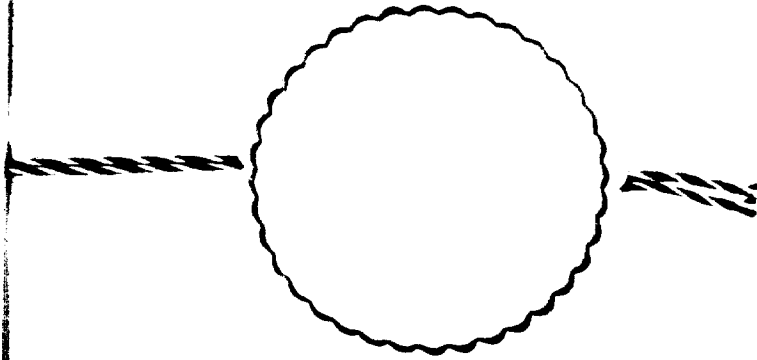


U - H
Notary public

I hereby certify that the above is a true copy of the original.

Essen, 13-01-1999

h - M
Notary



PATENT

REEL: 010685 FRAME: 0069

ASSIGNMENT

WHEREAS Krupp Fördertechnik GmbH, of Essen, Germany, hereinafter referred to as the assignor, is the owner of the entire right, title and interest in and to the following United States Letters Patents Applications:

Serial No. 08/909,105 dated Aug. 12, 1997
Serial No. 09/175,314 dated Oct. 20, 1998

AND WHEREAS MAN Technologie AG, of Stadtbachstrasse 1, D-86153 Augsburg, Germany, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said patent applications and any and all renewals, reissues and prolongations of said patent applications;

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Executed this 16th day of December, 1998.

WITNESSES:

Signature: W. Henke

Name: WOLFGANG HENKE

Address: GRAZER STR. 26

D-47249 DUISBURG

Signature: Ulrich Vogt

Name: Ulrich Vogt

Address: Riesbachstr. 43

D-45329 Essen

Krupp Fördertechnik GmbH

By: Gerhard Richardt

Name: Gerhard Richardt

Title: Authorized Officer

By: Werner Lambrecht

Name: Werner Lambrecht

Title: Authorized Officer

DR. KURT SCHÜRMANN
Rechtsanwalt, Notar a.D.

HORST G. BRILL (1976 - 1989)
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URSEL HUBMANN-DEINERT
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(BLZ 360 700 50)
(BLZ 360 501 05)
(BLZ 360 100 43)

PATENT
REEL: 010685 FRAME: 0071

2. On the basis of the authenticated extracts from the Commercial Register of Essen local court, No. HRB 9633, dated December 16, 1992, and of Dortmund local court, No. HRB 2182, dated January 19, 1993, before me, that Hoesch Aktiengesellschaft in Dortmund was merged with Fried. Krupp AG by absorption on the basis of a Merger Agreement dated June 9, 1992, and the resolutions of the two Shareholders' Meetings on June 12, 1992, and July 27, 1992, and the name of the transferring company ceased to exist.

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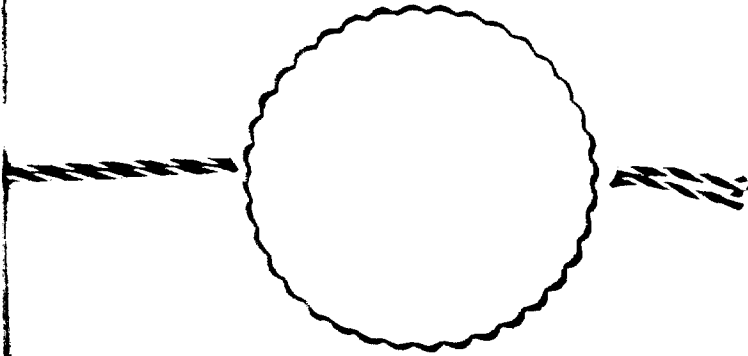


U - H
Notary public

I hereby certify that the above is a true copy of the original.

Essen, 13-01-1999

h - M
Notary



PATENT

RECORDED: 02/10/2000

REEL: 010685 FRAME: 0073