TO THE ASSISTANT COMMISSIONER FOR PATENTS: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)
   (1) Ludwig Konning
   (2) Thomas Ruther
   (3) Ralf Osburg
   (4) Ludger Brentrup
   (5) Holger Schmidthals
   (6) Martin Torner

   Additional name(s) of conveying party(ies) attached?
   ( ) Yes ( ) No

2. Name and address of receiving party(ies):
   Name: Polysius AG
   Address: Graf-Galen-Str. 17, 59269 Beckum, Germany

   Additional name(s) of receiving party(ies) attached?
   ( ) Yes ( ) No

3. Nature of conveyance:
   (X) Assignment
   ( ) Merger
   ( ) Security Agreement
   ( ) Change of Name
   ( ) Other:

   Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)
   December 3, 2002

4. Application number(s) or Patent number(s):
   (X) Application(s) filed herewith:

   (X) Application No.:
   Filing Date: December 31, 2002
   Issue Date: 10333654

   Additional numbers attached? ( ) Yes ( ) No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Yasuo Muramatsu
   MURAMATSUM & ASSOCIATES
   Internal Address: Suite 225
   Street Address: 7700 Irvine Center Drive
   City: Irvine State: CA ZIP: 92618
   Attorney's Docket No.: NAKAKURA.018AUS

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): $40.00
   (X) Enclosed
   ( ) Authorized to be charged to deposit account

8. Deposit account number:
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   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.

   Yasuo Muramatsu
   Name of Person Signing

   Signature

   12/31/02
   Date

   Total number of pages including cover sheet, attachments and document: 2

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01/13/2003 DBYRME 00000022 10333654
01 FC:8021
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PATENT
REEL: 013644 FRAME: 0568
ASSIGNMENT

WHEREAS, WE, *Dipl.-Ing. Ludwig Könning, a citizen of Germany, a resident of *Agnes Miegel Str. 7, 59227 Ahlen, Germany, *Dipl.-Ing. Thomas Rüther, a citizen of Germany, a resident of *Schützenstr. 6, 48317 Drensteinfurt, Germany, and *Dr.-Ing. Ralf Osburg, a citizen of Germany, a resident of *Hansaring 90, 59269 Beckum, Germany, and *Dr.-Ing. Ludger Brentrup, a citizen of Germany, a resident of *Bultstr. 29, 59302 Oelde, Germany, and *Dr.-Ing. Holger Schmidtthals, a citizen of Germany, a resident of *Dresdener Str. 8, 59269 Beckum, Germany, and *Dipl.-Ing. Martin Törner, a citizen of Germany, a resident of *Allestr. 14, 59302 Ennigerloh, Germany, have invented certain new and useful improvements in *

for which WE have filed an application for


AND WHEREAS, *Polyus AG (hereinafter "ASSIGNEE"), a German corporation, with its principal place of business at *Graf-Galen-Str. 17, 59269 Beckum, Germany, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in the receipt of valuable consideration which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, transferred and set over, and WE do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and WE hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that WE will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

This 03 day of Dec. 2002

*Dipl.-Ing. Ludwig Könning

This 03 day of Dec. 2002

*Dr.-Ing. Ralf Osburg

This 03 day of Dec. 2002

*Dipl.-Ing. Thomas Rüther
This 03 day of Dec, 2002

*Dr.-Ing. Ludger Brentrup

This 03 day of Dec, 2002

*Dr.-Ing. Holger Schmidthals

This 03 day of Dec, 2002

*Dipl.-Ing. Martin Torner