

FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET
PATENTS ONLY

TO THE HONORABLE DIRECTOR OF U.S. PATENTS AND TRADEMARKS:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)/Execution date(s):

Andreas Mühe – October 29, 2004
Burkhard Altekrüger – October 29, 2004
Alex Vonhoff – October 29, 2004

Additional names of conveying party(ies) attached?
 YES NO

2. Name and address of receiving party(ies):

Crystal Growing Systems GmbH
Emmeliusstrasse 33
D-35614 Assar
GERMANY

Additional name(s) and address(es) attached?
 YES NO

3. Nature of conveyance:

Assignment Merger Security Agreement Change of Name Other

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):
10/927,414

B. Patent No.(s):

5. Name and address of party to whom correspondence concerning document should be mailed:


NEEDLE & ROSENBERG, P.C.
999 Peachtree Street, Suite 1000
Atlanta, Georgia 30309

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR § 3.41): \$40.00

- Check enclosed
- Credit Card Payment Authorization Form PTO-2038 enclosed
- The Commissioner is hereby authorized to charge the total fee to Deposit Account No. 14-0629 (Attach duplicate copy of this form if paying by deposit account)
- The Commissioner is hereby authorized to charge any underpayment, or credit any overpayment, to Deposit Account No. 14-0629.

8. 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.



Gregory J. Kirsch
Reg. No. 35,572


30 NOV 2004

Date

Total Number of Pages Including Cover Sheet, Attachments, and Document: 6

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being transmitted via facsimile transmission to: Assignment Division, (703) 306-5995, on the date indicated below.



Gregory J. Kirsch

30 NOV 2004

Date

OP \$40.00 10927414

ATTORNEY DOCKET NO. 19232.0016U1
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**ASSIGNMENT
(U.S. Rights Only)**

WHEREAS, we, Andreas Mühe, Burkhard Altekrüger, and Axel Vonhoff of Fallbachstraße 1, D-63452 Hanau, Holunderweg 5, D-63755 Alzenau, Oberweierer Haptstraße 13, D-77948 Friesenheim-Oberweier, respectively, have invented new and useful improvements in "MELTING CRUCIBLE" for which a U.S. utility patent application was filed on August 26, 2004, U.S. Serial No. 10/927,414, claiming priority to German application Serial No. 103 39 402.8 filed August 27, 2003; and,

WHEREAS, Crystal Growing Systems GmbH, a German corporation, whose post-office address is Emmeliusstraße ³³ ~~12~~, D-35614 Aßlar is desirous of acquiring the entire interest in the same,

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Andreas Mühe, Burkhard Altekrüger, and Axel Vonhoff do hereby do sell, assign and transfer unto said Crystal Growing Systems GmbH, the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the International Convention arising from said application; the same for Crystal Growing Systems GmbH legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

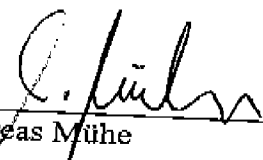
AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and

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generally do everything possible to aid Crystal Growing Systems GmbH, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

We also authorize counsel for Crystal Growing Systems GmbH to enter above the filing date and application number of the application when they become available.

IN WITNESS WHEREOF, I have executed this Assignment this 29th day of October, 2004.



Andreas Mühe (L.S.)

Witnessed:

1. Name: _____
Address: _____

Signature: _____
2. Name: _____
Address: _____

Signature: _____

ATTORNEY DOCKET NO. 19232.0016U1
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IN WITNESS WHEREOF, I have executed this Assignment this 29th day
of October, 2004.

Burkhard Altekruiger (L.S.)
Burkhard Altekruiger

Witnessed:

1. Name: _____
Address: _____
Signature: _____

2. Name: _____
Address: _____
Signature: _____

IN WITNESS WHEREOF, I have executed this Assignment this 29th day
of October, 2004.

Axel Vonhoff (L.S.)
Axel Vonhoff

Witnessed:

1. Name: _____
Address: _____
Signature: _____

2. Name: _____
Address: _____
Signature: _____