

May 3-18-99

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Form PTO-1595
(Rev. 6-93)
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Hon. Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Franz Hugo Jakob Huber Robert Y. Abramson John Sheehan</p> <p>Additional names of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>ALD Vacuum Technologies, GmbH</u></p> <p>Street Address: <u>Ruckinger Strasse 12</u></p> <p><u>D-63526</u></p> <p><u>GERMANY</u></p> <p>Name: _____</p> <p>Street Address: _____</p> <p>_____</p> <p>_____</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>July 10, 14, 16, 31, 1998</u></p>	

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: _____

<p>A. Patent Application No.(s)</p> <p>08/810,022</p>	<p>B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>5. Name and address of party to whom corresp. concerning document should be mailed:</p> <p>Name: <u>James R. Crawford, Esq.</u></p> <p>Address: <u>FULBRIGHT & JAWORSKI L.L.P.</u></p> <p><u>666 Fifth Avenue</u></p> <p><u>New York, New York 10103</u></p>	<p>6. Total number of applications and patents involved: 1</p> <hr/> <p>7. Total fee (37 CFR §3.41) <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Payment Enclosed</p> <p>8. <input type="checkbox"/> Authorization to charge Deposit Account <u>500624</u> (Attach duplicate of this page if paying by deposit acct.)</p>
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9. 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.

<p><u>James R. Crawford</u> Name of Person Signing</p>	<p><u>James R. Crawford</u> Signature</p>	<p><u>March 12, 1999</u> Date</p>
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Total number of pages including cover sheet, attachments, and document: [4]

Mail documents to be recorded with required cover sheet information to:
Asst. Commissioner for Patents, Box Assignments

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PATENT
REEL: 9826 FRAME: 0654

ASSIGNMENT

WHEREAS the undersigned [hereinafter (collectively) "ASSIGNOR"] have invented certain new and useful improvements in

PROCESS AND APPARATUS FOR MELTING AND CASTING OF METALS IN A MOLD

for which an application for United States Letters Patent was filed on March 3, 1997 and assigned U.S. Patent Application Serial No. 08/810,022.

WHEREAS **ALD Vacuum Technologies GmbH**
Rückinger Strasse 12
D-63526 GERMANY

a German corporation (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, and all other countries.


SAID ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

WITNESS, the hand and seal of the ASSIGNOR on the date indicated.

10.7.98
Date


Franz Hugo

14.7.98
Date


Jakob Huber

Date

Robert Y. Abramson

Date

John Sheehan

FELFE & LYNCH
805 Third Avenue
New York, New York 10022-7513
(212) 688-9200

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WITNESS, the hand and seal of the ASSIGNOR on the date indicated.

Date

Franz Hugo

Date

Jakob Huber

July 16, 1998

Date

Robert Y. Abramson

Robert Y. Abramson

Date

John Sheehan

FULBRIGHT & JAWORSKI L.L.P.
805 Third Avenue
New York, New York 10022-7513
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WITNESS, the hand and seal of the ASSIGNOR on the date indicated.

Date

Franz Hugo

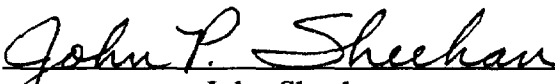
Date

Jakob Huber

Date

Robert Y. Abramson

7-31-98
Date



John Sheehan

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