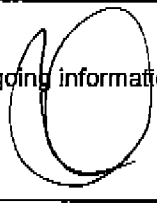


Client Code: IMEC350.001AUS

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>Radu Catalin Surdeanu</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p>() Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Interuniversitair Microelektronica Centrum (IMEC)</p> <p>Street Address: Kapeldreef 75</p> <p>City: 3001 Leuven Country: Belgium</p> <p>Name: Koninklijke Philips Electronics N.V.</p> <p>Street Address: Groenewoudseweg 1</p> <p>City: 5621 BA Eindhoven Country: The Netherlands</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p>() Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>January 5, 2005</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 10/966,145</p> <p>Filing Date: October 15, 2004</p> <p>Additional numbers attached?</p> <p>() Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995</p> <p>Address: Knobbe, Martens, Olson & Bear, LLP</p> <p>2040 Main Street, 14th Floor</p> <p>Irvine, CA 92614</p> <p>Return Fax: (949) 760-9502</p> <p>Attorney's Docket No.: IMEC350.001AUS</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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> <p><u>John M. Carson</u> Name of Person Signing</p> <p><u>34,303</u> Registration No.</p> <p style="text-align: center;"> Signature</p> <p style="text-align: right;"><u>1/21/05</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
 Director, U.S. Patent and Trademark Office
 P.O. Box 1450
 Alexandria, VA 22313-1450
Facsimile Number: (703) 306-5995

S:\DOCS\DCD\DCD-1260.DOC/cfn/012005

700147722

PATENT
REEL: 015617 FRAME: 0475

CH \$40.00 111410 10966145

Application No.: 10/966,145

Filing Date: October 15, 2004

PATENT

Client Code: IMEC350.001AUS

Page 1

ASSIGNMENT

WHEREAS, I, Radu Catalin Surdeanu, a Romanian citizen, residing at Leenwerkenstraat 47/0702, 3001 Heverlee, Belgium, have invented certain new and useful improvements in a **METHOD AND APPARATUS FOR PROVIDING A SEMICONDUCTOR SUBSTRATE WITH A LAYER STRUCTURE OF ACTIVATED DOPANTS**, the specification of which was filed on October 15, 2004 as Application No. 10/966,145.

AND WHEREAS, Interuniversitair Microelektronica Centrum (IMEC) with its principal place of business at Kapeldreef 75, 3001 Leuven, Belgium and Koninklijke Philips Electronics N.V., with its principal place of business at Groenewoudseweg 1, 5621 BA Eindhoven, The Netherlands, (hereinafter referred to as "ASSIGNEES"), desire to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, their 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 provisional applications relating thereto, 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 I 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 it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEES, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I DO HEREBY sell, assign, transfer, and convey to ASSIGNEES, their successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEES, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEES, their 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 ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 5 day of January, 2005



Radu Catalin Surdeanu

Witness_____
Date