


Client Code: IMEC541.001AUS

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<p>1. Name of conveying parties: (List using letters or numbers for multiple parties)</p> <p>1) Hag-Ju Cho 2) Anabela Veloso 3) HongYu Yu 4) Stefan Kubicek 5) Shou-Zen Chang</p> <p>Additional name(s) of conveying party(ies) attached? () Yes (X) No</p>	<p>2. Name and address of receiving parties (3):</p> <p>I) Name: Interuniversitair Microelektronica Centrum vzw (IMEC) Street Address: Kapeldreef 75 City: Leuven State: BELGIUM ZIP: 3001</p> <p>II) Name: Samsung Electronics Co., Ltd. Street Address: 416, Maetan-dong, Yeongtong-gu City: Suwon-si State: Gyeonggi-do Country: KOREA ZIP: 442-743</p> <p>III) Name: Taiwan Semiconductor Manufacturing Co., Ltd. (TSMC) Street Address: 8, Li-Hsin Road 6 City: HsinChu State: TAIWAN ZIP: 300-077</p> <p>Additional name(s) of receiving party(ies) attached? () Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment () Security Agreement () Merger () Change of Name () Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>1) March 10, 2009 2) February 23, 2009 3) March 3, 2009 4) February 23, 2009 5) February 23, 2009</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Patent Application No.: 12/358,188 Filing Date: January 22, 2009</p> <p>Additional numbers attached? () Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: IMEC541.001AUS</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>34,303 Registration No.</p> <p> Signature</p> <p><u>3/27/09</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 7</p>	

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IMEC541.001AUS - Assignment

PATENT

ASSIGNMENT

WHEREAS, We, Hag-Ju Cho, a Korean citizen, residing at #402 819-4 Bangbae4-dong, Seocho-gu, Seoul, Korea; and Anabela Veloso, a Portugese citizen, residing at Koning Leopold III Laan 26, bus 204, 3001 Leuven, Belgium; and HongYu Yu, a Chinese citizen, residing at 50 Nanyang Avenue Block S2.2, Level B2, Room 45, 639798 Singapore, Singapore; and Stefan Kubicek, a Slovakian citizen, residing at Loveld 20, 3212 Pellenberg, Belgium; and Shou-Zen Chang, a Taiwanese citizen, residing at 12F, No.1010-1, Sec.4, Jhongsing Road, Jhudong Township, 310 Hsinchu Country, Taiwan have invented certain new and useful improvements in a SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING THE SAME the specification of which was filed on January 22, 2009 as Application No. 12/358,188.

AND WHEREAS, Interuniversitair Microelektronica Centrum vzw (IMEC), with its principal place of business at Kapeldreef 75, 3001 Leuven, Belgium; and Samsung Electronics Co., Ltd., with its principal place of business at 416, Maetan-dong, Yeongtong-gu, 442-743 Suwon-si, Gyeonggi-do, Korea; and Taiwan Semiconductor Manufacturing Co., Ltd. (TSMC), with its principal place of business at 8, Li-Hsin Road 6, 300-077 HsinChu, Taiwan desire to acquire the entire right, title, and interest in and to said improvements and said Application with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it 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 Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

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IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto
affixed its signature.

This 10th day of March, 2009

Hag-Ju Cho

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IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 23 day of February, 2009 Anabela Conceição Louro de Andrade Veloso
Anabela Veloso

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IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 3rd day of March, 2009

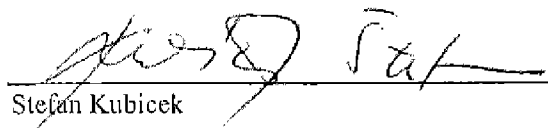


HongYu Yu

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IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 23 day of February, 2009


Stefan Kubicek

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IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto
affixed its signature.

This 23rd day of Feb., 2009 Shou-Zen Chang
Shou-Zen Chang

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