

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dirk Wouters</td> <td>01/29/2003</td> </tr> <tr> <td>Jean-Luc Everaert</td> <td>01/28/2003</td> </tr> <tr> <td>Judit Lisoni</td> <td>01/29/2003</td> </tr> </tbody> </table>		Name	Execution Date	Dirk Wouters	01/29/2003	Jean-Luc Everaert	01/28/2003	Judit Lisoni	01/29/2003
Name	Execution Date								
Dirk Wouters	01/29/2003								
Jean-Luc Everaert	01/28/2003								
Judit Lisoni	01/29/2003								
RECEIVING PARTY DATA									
Name:	Interuniversitair Microelektronica Centrum (IMEC)								
Street Address:	Kapeldreef 75								
City:	Leuven								
State/Country:	BELGIUM								
Postal Code:	3001								
Name:	ST Microelectronics								
Street Address:	Zone Ind., Peynier-Rousset, PO Box 2								
City:	Rousset								
State/Country:	FRANCE								
Postal Code:	13790								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11046057</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11046057				
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Application Number:	11046057								
CORRESPONDENCE DATA									
Fax Number:	(619)235-0176								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	619-525-8301								
Email:	rthiessen@kmob.com								
Correspondent Name:	Rose M. Thiessen								
Address Line 1:	2040 Main Street, 14th Floor								
Address Line 4:	Irvine, CALIFORNIA 92614								

CH \$40.00 11046057

ATTORNEY DOCKET NUMBER:

IMEC261.001DV1

NAME OF SUBMITTER:

Rose M. Thiessen

Total Attachments: 1

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ASSIGNMENT


WHEREAS, We, Dirk Wouters, a Belgium citizen, residing at Frans Cnopsaan 2, 3001, Heverlee, Belgium, Jean-Luc Everaert, a citizen of Belgium, residing at Patattestraat 2, 1755 Gooik, Belgium, and Judit Lisoni, a citizen of Belgium, residing at Groeneweg 52, 3001 Heverlee, Belgium, have invented certain new and useful improvements in a SIMPLIFIED BOTTOM ELECTRODE-BARRIER STRUCTURE FOR MAKING A FERROELECTRIC CAPACITOR STACKED ON A CONTACT PLUG for which we have filed an application for Letters Patent in the United States, 10/292,363, November 8, 2002;

AND WHEREAS, Interuniversitair Microelektronica Centrum vzw (IMEC vzw), a research center in electronics for the Flemish Government Corporation, with its principal place of business at Kapeldreef 75, B-3001 Leuven, Belgium, and ST Microelectronics, a Corporation, with its principal place of business at Zone Ind., Peynier-Rousset, PO Box 2, 13790 Rousset, France (hereinafter referred to collectively as "ASSIGNEES") desire to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we 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 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 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.

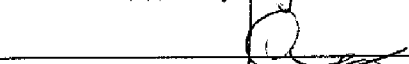
AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, 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 29 day of January, 2003



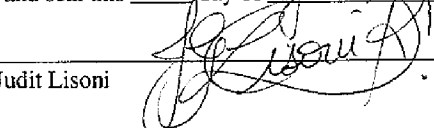
Dirk Wouters

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of January, 2003



Jean-Luc Everaert

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of January, 2003



Judit Lisoni