



TO THE ASSISTANT COMMISSIONER FC

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original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- 1) Gauthier Lafruit
- 2) Bart Masschelein

11-29-02

Additional name(s) of conveying party(ies) attached?
() Yes (X) No

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

Name: Interuniversitair Microelektronica Centrum (IMEC)

Street Address: Kapeldreef 75

City: 3001 Leuven Country: Belgium

Additional name(s) of receiving party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

(X) Assignment

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

(X) Patent Application No.: 10/254,053

Filing Date: September 23, 2002

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- 1) November 14, 2002
- 2) November 14, 2002

Additional numbers attached? () Yes (X) No

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

Name: Mark M. Abumeri
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Fourteenth Floor

Street Address: 2040 Main Street

City: Irvine State: CA ZIP: 92614

Attorney's Docket No.: IMEC253.001AUS

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

8. Deposit account number: 11-1410

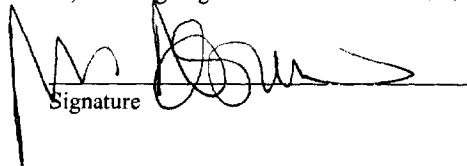
Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Mark M. Abumeri
Name of Person Signing


Signature

Nov. 25, 2002
Date

43,458
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Total number of pages including cover sheet, attachments and document: 2

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U.S. Patent and Trademark Office
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Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
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ASSIGNMENT

WHEREAS, We (1) Gauthier Lafruit, a Belgian citizen, residing at Haagbeukenlaan 16, Bus 84, 1200 St.-Lambrechts Woluwe, Belgium and (2) Bart Masschelein, a Belgian citizen, residing at Groenstraat 1, 8860 Lendeledede, Belgium hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in 2D FIFO DEVICE AND METHOD FOR USE IN BLOCK BASED CODING APPLICATIONS, the specification of which was filed on September 23, 2002 as Application No. 10/254,053.

AND WHEREAS, Interuniversitair Microelektronica Centrum (IMEC), with its principal place of business at Kapeldreef 75, 3001 Leuven, Belgium, (hereinafter referred to as Assignee) desires 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, 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.

This 14 day of November, 2002



Signature of Gauthier Lafruit

This 14 day of November, 2002



Signature of Bart Masschelein

Witnessed by:

Print Name:

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