Client Code: IMEC162.001AUS

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101462689 TO THE ASSISTANT COMMISSIONER FOR PATENTS: Please record the attached original documents of copy thereof. Name of conveying party(ies): (If multiple assignors, list 2. Name and address of receiving party(ies): numerically) Name: IMEC vzw 1. Peter Schelkens Internal Address: Kapeldreef 75, B-3001, Leuven, Belgium 2. Jan Cornelis Name: Vrije Universiteit Brussel Internal Address: Pleinlaan 2, 1050 Brussel Additional name(s) of conveying party(ies) attached? ()Yes (X) Additional name(s) of receiving party(ies) attached? Yes (X)No () Nature of conveyance: Application number(s) or Patent number(s): (X) Assignment () Application(s) filed herewith Execution Date(s): Merger Security Agreement (X) Patent Application No.: 09/535,628 ()Change of Name Filing Date: March 24, 2000 () () Other: ()Patent No .: Issue Date: Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in Additional numbers attached? () No (X)I above) Yes 1. July 8, 2000 2. May 7, 2000 Total fee (37 CFR 3.41): \$40 Name and address of party to whom correspondence concerning document should be mailed: (X) Enclosed Name: Richard E. Campbell 0 Authorized to be charged to deposit account KNOBBE, MARTENS, OLSON & BEAR, LLP Customer No. 20,995 Internal Address: Sixteenth Floor 8. Deposit account number: 11-1410 Street Address: 620 Newport Center Drive City: Newport Beach State: CA ZIP: 92660 Please charge this account for any additional fees which may Attorney's Docket No.: IMEC162.001AUS be required, or credit any overpayment to this account. Total number of applications and patents involved: 1 6. 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. 8/23/00 Richard E. Campbell Name of Person Signing 00000513 09535628 /18/2000 NTHAI1 FC:581 Registration No. Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231

ASSIGNMENT

| Case No.: IMEC162 | Serial No.: US 09/535,628 |
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|-------------------|---------------------------|

Inventor: Schelkens et al.

Date of Execution of Application: Filing Date: 24 March 2000

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to:

> IMEC vzw, Kapeldreef 75, B-3001 Leuven a research center in the country of Belgium

Brussel and Vrije Universiteit Leuven, Pleinlaan 2, B – 1050 Brussel A university in the country of Belgium

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

Methods for progressive transmission of subband images

and identified as:

Case No. IMEC162

in the offices of KNOBBE, MARTENS, OLSON & BEAR and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorises and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorises and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further

PATENT REEL: 011069 FRAME: 0649 warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional. continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorises said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Full name of first inventor:

Peter Schelkens

Inventor's signature:

Date: 07-08-26-25

Date: 05-07-2000

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RECORDED: 08/31/2000

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