

04-11-2003

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To the Honorable C

102416496

Use record the attached original **HT03 Rec'd PCT/RTO** 18 DEC 2002

1. Name of conveying party(ies):

Pierre-Yvan LIARDET

Bruno MUSSARD

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

Name: STMicroelectronics S.A.

Address: 29, boulevard Romain Rolland

F-92120, Montrouge, France

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

3. Nature of Conveyance:

(X) Assignment

() Merger

() Security Agreement

() Change of Name

() Other

Execution Date: December 1, 2002

Additional name(s) and address(s) attached? () Yes (X) No

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

10312125

If this document is being filed together with a new application, the execution date of the application is: December 18, 2002

A. Patent application No. (s)

B. Patent No. (s)

Not yet assigned

Additional numbers attached? () Yes (X) No

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

Name: Christopher F. Regan, Esq.

Internal Address: Allen, Dyer,

Doppelt, Milbrath & Gilchrist, P.A.

Street Address: 255 S. Orange Ave.

P.O. Box 3791

City: Orlando

State: Florida Zip: 32802

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41).....\$ 40.00

[X] Enclosed

[] Authorized to be charged to deposit account.

8. Deposit Account Number:

01-0484

If any additional extension and/or fee is required, or, if any additional fee for claims is required.

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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.

John F. Woodson, II
Name of Person Signing

Signature

December 18, 2002
Date

Total number of pages including cover sheet, attachments and document: [3]

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ASSIGNMENT

WHEREAS, **Pierre-Yvan LIARDET** of **Peynier**, France and **Bruno MUSSARD** of **Les Pennes Mirabeau**, France, hereafter referred to as **ASSIGNORS**, have made certain improvements or inventions in **USE DETECTION CIRCUIT**, for which **ASSIGNORS** have executed an application for United States Letters Patent filed herewith, in the United States Patent and Trademark Office ; and

WHEREAS, **STMICROELECTRONICS S. A.**, a French corporation, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the same;

NOW THEREFORE, This Indenture Witnesseth: That for good and valuable consideration, receipt whereof is hereby acknowledged, said **ASSIGNORS** do hereby sell, assign and transfer to said **ASSIGNEE**, their successors and assigns, all right, title and interest in and to said United States Patent application, the invention or inventions therein shown and described and any improvements on said inventions heretofore or hereafter made, any divisions or continuations of said application, and all patents, United States and foreign, to be granted upon any such application or for the invention or inventions thereof, and any reissues, continuations or extensions of said patents; and said **ASSIGNORS** do hereby authorize and request the Commissioner of Patents to issue all patents on said United States Patent applications or for the invention or inventions hereof, in accordance with this assignment.

And said **ASSIGNORS** for said consideration hereby covenant and agree that said **ASSIGNORS** are the owner of the full title herein conveyed and have the right to convey the same, and agree that said **ASSIGNORS** will communicate to said **ASSIGNEE** any facts known to said **ASSIGNORS** respecting said invention or inventions, and testify in any legal proceedings when called upon by said **ASSIGNEE**, sign all lawful papers deemed by said **ASSIGNEE** as expedient to vest in it the legal title herein sought to be conveyed or for the filing and prosecution of all applications and patents, United States and foreign, and otherwise aid said **ASSIGNEE** its successors and assigns, in obtaining full patent protection on said invention and enforcing proper protection under said patents, but in every instance at the **ASSIGNEE'S** expense.

IN WITNESS WHEREOF I have hereunto set my hand on the date indicated below.

1st, December 2002.
Date

Pierre-Yvan Liardet
Pierre-Yvan LIARDET

1st, December 2002
Date

Bruno MUSSARD
Bruno MUSSARD