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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

HEET



100973264

Docket No. 98-P-103

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of Conveying Party(ies):
Mark R. Tesaro

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

2. Name and Address of receiving Party(ies):
Name: STMicroelectronics, Inc.

Internal Address:

Street Address:
1310 Electronics Drive

City: Carrollton State: Texas Zip: 75006
Additional name(s) & address(es) attached? Yes No

JCS51 U.S. PTO
09/248359
02/10/99

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 26, 1999

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: January 26, 1999
A. Patent Application No.(s) B. Patent No.(s)
Additional Numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Lisa K. Jorgenson
Internal Address: Legal Department
Street Address: 1310 Electronics Drive

City: Carrollton State: Texas Zip: 75006

6. Total number of applications and patents involved: One
7. Total Fee (37 CFR 3.41): \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number: 20-0821
Deposit Account No. 20-0821 of Thompson & Knight
(Attach Duplicate Copy of this page if paying by deposit account)

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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.
Jonathan E. Jobe, Jr. _____
Name of Person Signing Signature Date
Total number of pages comprising cover sheet 1

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ASSIGNMENT

WHEREAS, I, **Mark R. Tesauro** of STMicroelectronics, Inc., of Carrollton, Texas have invented certain new and useful improvements in **PLASMA EMISSION DETECTION FOR PROCESS CONTROL VIA FLUORESCENT RELAY** for which an application for Letters Patent was executed by me on the same date as indicated below; and

WHEREAS, **STMicroelectronics, Inc.**, a Delaware corporation (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

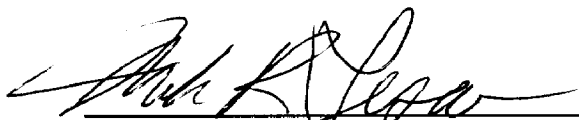
NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that, at the expense of said ASSIGNEE, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries in which applications for patents on said invention are made.

IN WITNESS WHEREOF, I have hereunto set my hands this

26th day of January, 1999.



Mark R. Tesauro

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