

10603281

Attorney Docket No. 02-C-084

09/25/2003

09-26-2003

FORM PTO-1595 (Rev. 6-93)

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Honorable Commissioner of Patents thereof.

the attached original documents or copy

1. Name of conveying party(ies): Rong Yin
Additional name(s) of conveying party(ies) attached? ___ Yes X No

6.24.03

2. Name and address of receiving party(ies): STMicroelectronics, Inc.
Street Address: 1310 Electronics Drive Carrollton, Texas 75006-5039

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

Additional name(s) & address(es) attached? ___ Yes X No

Execution Date: June 23, 2003

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: June 23, 2003

A. Patent Application No. (s) filed 10603281

Additional numbers attached? ___ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed: Lisa K. Jorgenson, Esq. STMicroelectronics, Inc. 1310 Electronics Drive Carrollton, Texas 75006

6. Total number of applications and patents involved: One (1)

7. Total fee (37 C.F.R. 3.41): \$ 40.00
X Enclosed ___ Authorized to be charged to deposit account

8. Deposit account number: (for deficiency only) 10-0447
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

William F. Esser [Signature] June 24, 2003
Name of Person Signing Signature (Reg.No. 38,053) Date
Total number of pages including cover sheet, attachments, and document: 3

22151 U.S. PTO 10/603281 06/24/03

09/25/2003 ECDOPER 0000291 10603281 01 FC:8021 40.00 EP

ASSIGNMENT

WHEREAS, I, Rong Yin, have invented certain new and useful improvements in the following: **CONTROL CIRCUIT AND METHOD FOR CRYSTAL OSCILLATOR CIRCUITRY**, for which I have made application for United States Letters Patent; and,

WHEREAS, STMicroelectronics, Inc., a corporation having its principal place of business at 1310 Electronics Drive, Carrollton, Texas 75006, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives the entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all provisionals, divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the 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 applications 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 I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to 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.

I further authorize and direct my attorneys to insert below* the serial number and filing date of said application now identified as Case Docket No. _____ as soon as the same shall have been made known to them by the United States Patent Office.

*Serial Number: _____

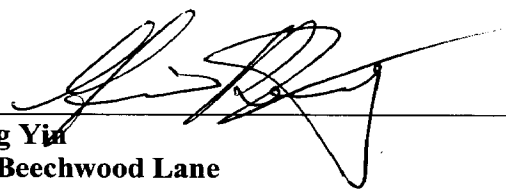
*Filing Date: _____

PATENT APPLICATION

Docket No. 02-C-084

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 23 day of

June, 2003.



Name: **Rong Yin**
Address: **184 Beechwood Lane**
Coppell, Texas 75019