4/12/05

04-21-2005



RECORD FORM PTO-1595 U.S. Department of Commerce 102985381 (Rev. 06/04)U.S. Patent and Trademark Office PATENTS ONLY OMB No. 0651-0027 (exp. 6/30/2005) To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies)/Execution Date(s): Name and address of receiving party(ies) Name: Shenzhen STS Microelectronics Co., Ltd. Chunxing Deng Street address: 52, Tao Hua Road Futain Free Trade Zone, ShenZhen, China January 12, 2005 Execution Date(s) Additional name(s) of conveying party(ies) attached? Yes No Additional name(s) & address(es) attached? Yes 3. Nature of conveyance: Merger Security Agreement Change of Name Government Interest Assignment Executive Order 9424, Confirmatory License Other This document is being filed together with a new application. 4. Application or patent number(s): B. Patent No.(s) A. Patent Application No.(s) Attorney Docket No.: 03-SZ-033US Additional numbers attached? Yes No 5. Name and Address to whom correspondence concerning 6. Total number of applications and patents involved: document should be mailed: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Name: Mario J. Donato, Jr., Esq. Internal Address: STMicroelctronics, Inc. 1310 Electronics Drive Authorized to be charged by credit card Street Address: same as above Authorized to be charged to deposit account City: Carrollton State: TX Zip: 75006 □ Enclosed None required (government interest not affecting title) Payment Information a. Credit Card Last 4 Numbers Expiration Date ___ b. Deposit account number 50-1123 Authorized User Name 9. Signature: Stuart T. Langley Name of Person signing Total number of pages including cover sheet, attachments and document: 3

04/13/2005 JBALINAN 00000051 11103695

04 FC:8021

40.00 OP

PATENT REEL: 016471 FRAME: 0054

PATENT EXPRESS MAIL NO. EL961395575US Attorney Docket No. 03-SZ-033US Client/Matter No. 80408.0091.001

ASSIGNMENT

WHEREAS, I, Chunxing Deng, having a residence address of Design Center, 16#
Tao Hua Road, Futian Free Trade Zone, Shenzhen, China, have made a certain new and useful invention relating to a PEN FAULT CHECK CIRCUIT FOR INK JET PRINTER, for which I am making or have made application for Letters Patent of the United States, said application being identified by Docket No. 03-SZ-033US and Client/Matter
No. 80408.0091.001, in the law firm of HOGAN & HARTSON LLP, One Tabor Center, 1200 17th Street, Suite 1500, Denver, Colorado 80202, and which is executed concurrently herewith, and

WHEREAS, I now own the entire right, title and interest therein; and

WHEREAS, ShenZhen STS Microelectronics Co., Ltd., hereinafter ASSIGNEE, a business having its principal place of business at 52, Tao Hua Road Futain Free Trade Zone, ShenZhhen, China, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, upon consideration of my employment and other good and valuable consideration, the adequacy of which is hereby acknowledged, I do hereby sell and assign unto ASSIGNEE, and ASSIGNEE's legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both of the United States and of other countries, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, I do hereby covenant and agree with ASSIGNEE that I will not execute any writing or do any act whatsoever conflicting with this assignment,

1

\\BO - 80408/0091 - 174214 v1

PATENT REEL: 016471 FRAME: 0055 and that I will, at any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, execute such additional assignments and other writings and do such additional acts as ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this grant, and render all necessary assistance in applying for and obtaining original, continuation, continuation-in-part, divisional, reexamined, renewal, reissued or extended Letters Patent of the United States, or of other countries, or inventor's certificates, on said invention, and in enforcing any rights or causes in action accruing as a result of such applications, certificates, or patents, by giving testimony in any proceedings or transactions involving such applications, certificates, or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date hereinafter set forth.

Date: Jan. 12,2005

parties.

Churring Deng
Chunxing Deng

2

RECORDED: 04/12/2005