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Conveying Party(ies)

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Name (line 1) **Peng, Chih-Jui** Execution Date Month Day Year **11-4-99**

Name (line 2)

Second Party Name (line 1) **Lew Chua-Eoan** Execution Date Month Day Year **11-4-99**

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) **Hitachi, Ltd.**

Name (line 2)

Address (line 1) **6, Kanda Surugadai 4-Chome**

Address (line 2) **Chiyoda-ku**

Address (line 3) **Tokyo** **Japan** **101-8010**
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BO - 80408/7 - #12896 v1

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PATENT
REEL: 011087 FRAME: 0012

Correspondent Name and Address Area Code and Telephone Number **(720) 406-5335**

Name (line 1) **Stuart T. Langley, Esq.**

Address (line 1) **Hogan & Hartson LLP**

Address (line 2) **1200 17th Street, Suite 1500**

Address (line 3) **Denver, CO 80202**

Address (line 4)

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Application Number(s) or Patent Number(s) Mark if additional numbers attached

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Patent Application Number(s)			Patent Number(s)		
09/411,431					

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned

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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. Charges to deposit account are authorized, as indicated herein.

Stuart T. Langley 33,940  **8/10/00**

Name of Person Signing Signature Date

PATENT ASSIGNMENT


WHEREAS, we, CHIH-JUI PENG and LEW CHUA-EOAN, the first having a correspondence address of 1278 Oak Knoll Drive, San Jose, California 95129 and the second having an address of 5771 Chambertin Drive, San Jose, California 95118, respectively, have invented new and useful improvements in a MECHANISM FOR INSTRUCTION DATA FORWARDING IN A PIPELINE PROCESSOR for which a patent application was filed in the U.S. Patent and Trademark Office on October 1, 1999 as Serial No. 09/411,431;

WHEREAS, HITACHI, LTD., with its principal offices at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, is desirous of acquiring our entire right, title and interest in said application and my Letters Patent which may issue thereon:

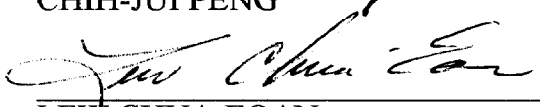
NOW, THEREFORE, be it known by all whom it may concern that for good and valuable consideration the receipt of which is hereby acknowledged, I hereby assign to said corporation, both in and for the territory of the United States of America and the entire world our entire right, title and interest in and to said invention, patent application and any patent which may issue thereon, including all priority rights for patent applications foreign to the United States of America.

I HEREBY covenant and agree that we will at any time, upon the request and at the expense of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications and patents, and we authorize the Commissioner of Patents and Trademarks to issue Letters Patent to said corporation.

IN TESTIMONY WHEREOF, we execute this assignment on the 4 day of November, 1999.



CHIH-JUI PENG



LEW CHUA-EOAN

Please return recorded assignment to:

Lisa K. Jorgenson
STMicroelectronics, Inc.
1310 Electronics Drive
MS2346
Carrollton, TX 75006