PATENT REEL: 012347 FRAME: 0067

ASSIGNMENT

WHEREAS, we, **Zheng Liu, Jiu An and Terry Xian**, ASSIGNORS, citizens of the United States, the United States and Hong Kong, respectively, residing at

12287 Viewoak Drive, Saratoga, CA 95070; 4857 Bela Drive, San Jose, CA 95129; and 2234 Jackson Street, Fremont, CA 94539; respectively

are the inventors of the invention in

MULTIPORT NON-BLOCKING HIGH CAPACITY ATM AND PACKET SWITCH

as described and set forth in an application for Letters Patent of the United States of America executed by me on the ______ day of ______ day of ______ 2001 (Docket # TRA-063)

AND WHEREAS, **TRANSWITCH CORPORATION**, hereinafter referred to as the "said COMPANY", a corporation duly organized incorporated and existing under the laws of Delaware and having a place of business at 3 Enterprise Drive, Shelton, CT 06484, is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof; and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that WE have not executed, and will not execute, any agreement in conflict herewith.

PATENT REEL: 012347 FRAME: 0068

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing reissue and foreign applications make all rightful oaths. and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The undersigned hereby grant(s) David P. Gordon the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, we, Zheng Liu, Jian-Liu and Terry Xian, have hereunto set our hands and seals this 154 day of November , 2001.

(L.S.)

(L.S.)

SS.:

BE IT KNOWN, that on this day of November 2001, personally appeared Zheng Liu, Jian Liu and Terry Xian, to me known and known to me to be the individuals described in and who executed the foregoing assignment and they acknowledged to me that they executed the same.

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CUMM # 1282173 FR

CANTA CLARA COUNTY

CLY CORP = EXP OCT 28, 2004 CETTY C. SANTOS

SEAL

My commission expires : October 28 2004

RECORDED: 11/02/2001

PATENT REEL: 012347 FRAME: 0069