

SHEET

TRA-056 102027683 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of Conveying party(ies): Name and address of receiving party(ies): John F. Gilsdorf TranSwitch Corporation 3 Enterprise Drive Shelton, CT 06484 3. Nature of conveyance: X Assignment o Other (see attached) o Security Agreement o Change of Name Additional name(s) & address(es) attached? o Yes X No **Execution Date:** 3/8/02 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: 3/8/02 A. Patent Application No.(s) B. Patent No.(s) 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: Gordon & Jacobson, P.C. 7. Total fee (37 CFR 3.41).....____\$40 65 Woods End Road X Enclosed Stamford, CT 06905 o Authorized to charge deposit account 8. Deposit account number: 07-1732 (attach duplicate page if paying by deposit account) 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. David P. Gordon Name of Person Signing Total number of pages including cover sheet, attachments, and document: TYPE MELIBES 04000001 10054768 m_i , $\langle i \rangle$ M_i^0

> PATENT REEL: 012695 FRAME: 0337

ASSIGNMENT

WHEREAS, I, **John F. Gilsdorf**, hereinafter referred to as the "Inventor". citizens of the US, whose post office address is 420B New Haven Avenue, Derby, CT 06418; have invented certain new and useful improvements in

DESYNCHRONIZER HAVING RAM BASED SHARED DIGITAL PHASE LOCKED LOOPS AND SONET HIGH DENSITY DEMAPPER INCORPORATING SAME

as described and set forth in	n an applicatio	on for Lette	ers Patent of th	e United States of America,
executed by us on the	8th	day of	March	2002
(Docket No. TRA-056).		_ ,		

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 TO ALL WHOM IT MAY CONCERN, BE IT

KNOWN, that I, the Inventor, for good and valuable considerations, the receipt and sufficiency of which I hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to my invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements, TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that I have not executed and will not execute any instruments in conflict herewith.

PATENT REEL: 012695 FRAME: 0338 AND I, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that I, my executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions, or improvements, application or applications, patents, rights, titles, benefits, privileges and advantages hereby sold, assigned, confirmed, transferred and conveyed.

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 and seal this 3 day of Manch	I, John F. Gilsdorf have hereunto set my hand, 2002.
	The Island (L.S.) Inventor
State of Connecticut)) ss: County of Fairfield)	
BE IT KNOWN, that on the personally appeared John F. Gilsdorf to me known in and who executed the foregoing assignment and same.	is 8 day of March, 2002. In and known to me to be the individual described he acknowledged to me that he executed the
	Notary Public
SEAL	
My commission expires: $5/31/06$	

PATENT RECORDED: 03/11/2002 REEL: 012695 FRAME: 0339