Docket No.:

10-18-2000 FORM PTO-1595 (Modified) RE( U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02 <u>\* 10-10-00</u> Tab settings ◆ ◆ ◆ 101489942 To the Honorable Commissioner of Patents and Trauernains. Trease record the discontinuous description of Patents and Trauernains. Name and address of receiving party(ies): 1. Name of conveying party(ies): Tyco Submarine Systems, Ltd. 60 Columbia Turnpike Name: TyCom (US) Inc. Morristown, NJ 07960 Internal Address: \_\_\_ Additional names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: 60 Columbia Turnpike Merger Assignment ☐ Security Agreement \_\_\_\_\_ State: NJ ZIP: 07960 City: Morristown Other \_ Execution Date: \_\_ Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 09/031018 ☐ Yes **⊠** No Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Daniel N. Daisak 7. Total fee (37 CFR 3.41):....\$ 40.00 internal Address: TyCom (US) Inc. ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account **Room 2B106** Authorized to be charged to deposit account 145, 724.0 Street Address: 250 Industrial Way West 8. Deposit account number: 50-0309 City: Eatontown ZIP: 07724 State: NJ 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. Daniel N. Daisak - Reg No 39,160 Date Signature Name of Person Signing Total number of pages including cover sheet, attachments, and document:

REEL: 011155 FRAME: 0482

## ASSIGNMENT AND AGREEMENT

For value received, we, Neal S. Bergano, of Lincroft in the County of Monmouth and State of New Jersey, and Carl R. Davidson, of Manalapan in the County of Monmouth and State of New Jersey, hereby sell, assign, and transfer to Tyco Submarine Systems Ltd., a corporation of the State of Delaware, having an office at 340 Mount Kemble Avenue, Morristown, New Jersey 07960, U.S.A., and its successors, assigns, and legal representatives, the entire right, title, and interest in and to certain inventions related to Method and Apparatus for Improving Spectral Efficiency in Wavelength Division Multiplexed Transmission Systems described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign, and transfer to Tyco Submarine Systems Ltd. the entire right, title, and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Tyco Submarine Systems Ltd. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Tyco Submarine Systems Ltd. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Tyco Submarine Systems Ltd. in the United States and in all countries foreign to the United States, or to such nominees as Tyco Submarine Systems Ltd. may designate.

PATENT REEL: 011155 FRAME: 0483 We agree that, when requested, we shall, without charge to Tyco Submarine Systems Ltd. but at its expense, sign all papers, and do all acts which may be necessary, desirable, or convenient in connection with said applications, patents, or other forms of protection.

Neal S. Bergano

Date: Feb 13 1998

United States of America

State of New Jersey

)ss.:

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County of Monmouth

On this 13th day of Februar, 1998, before me personally came Neal S. Bergano to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of same.

Notary Public

MARK K. YOUNG NOTARY PUBLIC OF NEW JERSEY My Commission Expires Dec. 15, 2002

> PATENT REEL: 011155 FRAME: 0484

	Call. Davida
. /	Carl R. Davidson
Date: 2/17/98	
United States of America	)
State of New Jersey	)ss.:
County of	)
On this 17 <sup>th</sup> day of Fe	, 19 98, before me personally came

Carl R. Davidson to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of same.

Notary Public

MARK K. YOUNG
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Dec. 15, 2002

RECORDED: 10/10/2000 REEL: 0111

PATENT REEL: 011155 FRAME: 0485