Datents Only

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To: Commissioner for Patents: Date: January 19, 2007 Attorney Docket No. E-TO-00094-US1/5487-243 Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): [1.] Julian Mullaney Tyco Electronics Corporation [2.] James A. Powell 2901 Fulling Mill Road [3.] William Alan Carrico Middletown, Pennsylvania 17057-3163 [4.] Christopher A. Hastings [5.] Craig Ray Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment Merger Security Agreement Additional name(s) & address(es) attached? ___ Yes X No Change of Name Other **Execution Date:** [1.] April 18, 2006 [2.] January 16, 2007 [3.] January 16, 2007 [4.] April 17, 2006 [5.] April 17, 2006 4. Application Serial No. If this document is being filed together with a new application, the execution date of the application is: [1.] April 18, 2006 [2.] January 16, 2007 [3.] January 16, 2007 [4.] April 17, 2006 [5.] April 17, 2006 Additional numbers attached? ___ Yes X_ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41) \$40.00 X Enclosed Marguerite E. Gerstner Tyco Electronics Corporation ____ Authorized to be charged to deposit account Intellectual Property Law Department M/S R20/2B 307 Constitution Drive 8. Deposit account number: 50-0220 Menlo Park, California 94026-1164 DO NOT USE THIS SPACE 9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and d corfect and any attached copy is a true copy of the original document. Robert W. Glatz, #36,811 January 19, 2007 Name of Person Signing Date Signature Total number of pages including cover sheet, attachments and document: 7 01/23/2007 HGUTEMA1 00000003 11655707 05 FC:8021

> PATENT REEL: 018832 FRAME: 0173

ASSIGNMENT

THIS ASSIGNMENT, made by us, Julian Mullaney, a citizen of the United Kingdom, residing at 1423 Ridge Road, Raleigh, North Carolina 27607; James A. Powell, a citizen of the United States of America, residing at 80 Jersey Court, Garner, North; William Alan Carrico, a citizen of the United States, residing at 6008 Wildorlyn Circle, Raleigh, North Carolina 27603; Christopher A. Hastings, a citizen of the United States of America, residing at 1030 Ivy Lane, Garner, North Carolina 27609; and Craig Ray, a citizen of the United States of America, residing at 1716 McLaurin Lane, Fuquay Varina, North Carolina 27526;

WITNESSETH: That,

FIBER OPTIC CABLE SYSTEMS AND KITS AND METHODS FOR

TERMINATING THE SAME for which an application has been filed, or is being concurrently filed, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No._______, filed______) the filing date and application number of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, we are joint inventors of certain new and useful improvements in

WHEREAS, TYCO ELECTRONICS CORPORATION, a Pennsylvania Corporation having a principal place of business at 2901 Fulling Mill Road, Middletown, Pennsylvania 17057-3163, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as

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PATENT REEL: 018832 FRAME: 0174 fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this <u>/ o</u> day
of April , 2006
(SEAL)
Julian Mullaney
STATE OF North Carolina) COUNTY OF Wake State OF North Carolina) State OF North Carolina)
COUNTY OF Wake) ss.
Before me personally appeared the person described in and who executed the
foregoing instrument, and he acknowledged to me that he executed the same for the purposes
therein stated, this 18 day of April , 2006. Notary Public SEAL
SEAL SEAL
My Commission Expires: July 13, 2009

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 16 day
of James A. Powell (SEAL)
STATE OF North Carolina) COUNTY OF Wake) ss:
COUNTY OF Wake)
Before me personally appeared the person described in and who executed the
foregoing instrument, and he acknowledged to me that he executed the same for the purposes
therein stated, this 16 day of <u>January</u> , 2007. <u>Audrey (1). Carrelius</u> Motary Public
SEAL
My Commission Expires: July 13, 2009

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 16 day
of JANUARY, 2007
W. XIII (SEAL)
William Alan Carrico
STATE OF North Carolina
STATE OF North Carolina) COUNTY OF Wake) ss:
Before me personally appeared the person described in and who executed the
foregoing instrument, and he acknowledged to me that he executed the same for the purposes
therein stated, this 16 day of January, 2007.
andrey W. Cornelius
Stary Public
SEAL

My Commission Expires: July 13, 2009

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IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17 th day
of APRIL, 2006. Church A. Hastings (SEAL)
STATE OF North Carolina) SS: COUNTY OF Wake,
COUNTY OF Wake
Before me personally appeared the person described in and who executed the
foregoing instrument, and he acknowledged to me that he executed the same for the purposes
therein stated, this 17 day of April , 2006. Quality W. Cornelius Notary Public
SEAL
My Commission Expires: July 13, 2009

IN WITNESS WHEREOF, I have hereunto set my hand and seal on thisday
of April , 2006. Craig/Ray (SEAL)
STATE OF North Carolina) ss:
Before me personally appeared the person described in and who executed the
foregoing instrument, and he acknowledged to me that he executed the same for the purposes
therein stated, this 17 day of April , 2006. Ouder W. Cornelius Notary Public
SEAL
My Commission Expires: July 13, 2009