02-25-1999 Attorney Docket No.: 2925-0168P IDS 115307/PONGRACZ 4-1 To the Honorable ached original documents or copy thereof. 100973147 1. Name of conveying party(ies): .ss of receiving party(ies) David J. PONGRACZ and Michael P. TIPPNER Name: Lucent Technologies Inc. Additional name(s) of conveying party(ies) attached? Internal Address: ⊠ No 3. Nature of conveyance Street Address: 600 Mountain Avenue, P.O. Box 636 FEB 2 2 1999 [13] Merger City: Murray Hill State: NJ ZIP: 07974-0636 Security Agreement Change of Name Additional name(s) & address(es) attached? Yes No ☐ Other Execution Date: [OF ASSIGNMENT] 4. Application number(s) or patent number(s): 09/163,196 If this document is being filed together with a new application, the execution date of the application is: Patent Application No(s). B. Patent No.(s) Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP 7. Total fee (37 CFR 3.41): \$40.00 Internal Address: P.O. Box 747 Enclosed Falls Church, Virginia 22040-0747 Authorized to be charged to deposit account Street Address: 8110 Gatehouse Road, Suite 500 East Deposit account number: 12-2325 City: Falls Church State: VA ZIP: 22042 (Attach triplicate copy of this page if paying by deposit account) 00000226 122325 09163196 02/23/1999 SBURNS 40.00 CH 01 EC:581 DO NOT USE THIS SPACE Statement and signature.

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

Total number of pages including cover sheet, attachments, and document

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

February 22, 1999

document.

James M. Slattery

Name of Person Signing

4

REEL: 9776 FRAME: 0557

Application No.: 09/163,196 Attorney Docket No.: 2925-0168P

ASSIGNMENT AND AGREEMENT

For value received, we, David John Pongracz of Bangor in the County of Northampton and State of Pennsylvania, and Michael P. Tippner of Cedar Knolls in the County of Morris and State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to Low-Cost Multi-Shelf Cabling Arrangement 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 Lucent Technologies Inc. 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 Lucent Technologies Inc. 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 Lucent Technologies Inc. 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 Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

PATENT REEL: 9776 FRAME: 0558 Application No.: 09/163,196

Attorney Docket No.: 2925-0168P

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. 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.

2

David John Pongrad

Date: 2/5/99

United States of America

State of Pennsylvania Jun) ss.:

City of Bangor Whypu,

Notary Public

CARDARY, ADMOVACOS NOTICE MEDICO OF SOLV SENZEY My Schmascics Endeal Dy 19, 1999 Application No.: 09/163,196

Attorney Docket No.: 2925-0168P

Michael P. Tippner

Date: 2/5/99

United States of America)

State of New Jersey) ss.:

County of Morris

3

Notary Public

BARDARA ADMOTRANG MOTARY FUDGIO OF NEW JERSEY My Commission Expires July 14, 1999

Lucent Technologies Inc. 600 Mountain Avenue (Room 3C-512) P. O. Box 636 Murray Hill, New Jersey 07974-0636

RECORDED: 02/22/1999

PATENT REEL: 9776 FRAME: 0560