07-27-2000 Form PTO 1595 U.S. DEPARTMENT OF COMMERCE RECOL 'Rev. 6-93) Or/B Nc 0651-00 rt (exp. 4/94) Patent and Trademark Office 101399310 rease record the attached original documents or copy thereof. To the Honorable Commissioner 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): Name: LUCENT TECHNOLOGIES INC. John Daniel BISHOP Additional name(s) of conveying party(ies) attack Street Address: 600 MOUNTAIN AVENUE P.O. BOX 636 3. Nature of conveyance: City: MURRAY HILL State: NEW JERSEY Zip: 07974 [X] Assignment Merger Security Agreement [] Change of Name Additional name(s) & address(es) attached? IX) No Yes Other Execution Date: May 30, 1997 4. Application number(s) or patent number(s): 08/866,451 If this document is being filed together with a new application, the execution date of the application B. Patent No.(s) A. Patent Application No.(s) A.Dilullo A.Dilullo Additional numbers attached? [] Yes [X] No Total number of applications and patents Name and address of party to whom correspondence 1 concerning document should be mailed: involved: Name: Darby & Darby P.C. Internal Address: DAVID LEASON, ESQ. 7. Total fee (37 CFR 3.41):.....\$40.00 Enclosed Street Address: 805 Third Avenue, 27th Floor [X] Authorized to be charged to Lucent Technologies Inc. deposit account City: New York State: New York Zip: 10022-7513 8. Deposit account number: 12-2325 /07/2000 JSHABAZZ**/**0**0**000129 £22**32**5 08866451 (Attach duplicate copy of this page if paying by deposit account) 11.56 DO NOT USE THIS SPACE 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 LEASON, ESQ. January 18, 2000 Name of Person Signing Date Total number of pages including cover sheet, attachments, and document: Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box AssignmentsWashington, D.C. 20231

ASSIGNMENT AND AGREEMENT

For value received, I, John Daniel Bishop, of Verona in the County of Essex 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 Method And Apparatus For Attenuation Of, And Damage Protection From, High Energy Electromagnetic Pulses described in an application for Letters Patent of the United States, executed by me 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 I 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.

I 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 me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I 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.

I 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: 010820 FRAME: 0784 I agree that, when requested, I 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.

John Daniel Bishop

Date: May 30, 1997

United States of America

State of New Jusey) ss.:

County of Morris)

On this day of 1/2, before me personally came John Daniel Bishop, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

BARBARA ARMSTRONG NOTARY PUBLIC 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: 01/19/2000

PATENT REEL: 010820 FRAME: 0785