Attorney: William H. Bollman

Reg. No. 36,457

Atty/Sec:

Signature:

10. Total number of pages including this cover sheet, attachments and document

(do not file dup. Cover sheet)

Date: June 3, 1999

TEL: (202) 261-1020

Fax: (202) 887-0336

FILE WITH PTO RETURN RECEIPT

5

REEL: 010032 FRAME: 0374

ASSIGNMENT AND AGREEMENT

For value received, we, Frederick H. FISCHER, of Macungie, in the County of Lehigh and State of Pennsylvania, Vladimir SAINDALOVSKY, of Perkasie, in the County of Bucks and State of Pennsylvania and Scott A. SEGAN, of Allentown, in the county of Lehigh and State of Pennsylvania 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 MEMORY ALIASING METHOD AND APPARATUS 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. they may designate.

PATENT REEL: 010032 FRAME: 0375

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.

United States of Amereica

State of Pennz)ss.:
City of Allertonn,

On this ______ day of ______, 19 _____, 19 _____ before me personally came Frederick H. FISCHER, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

NOTARIAL SEAL LORI K. REISS, Notary Public Allentown, Lehigh County, PA ly Commission Expires Oct. 29, 2001 Vladinir Sindalass Vladimir SINDALOVSKY

Date: 6/3/99	
United States of America)
State of Pennz) ss.:
County of Lehigh)
personally came Vladimir SIND	ay of, 19, before me DALOVSKY, to me known to be the individual d the foregoing instrument, and acknowledged

NOTARIAL SEAL LORI K. REISS, Notary Public Afteniowi, Lenigh County, PA My Commission Expires Oct. 29, 2001

> PATENT REEL: 010032 FRAME: 0377

Scott A SEGAN

Date: 6/3/99 ___

United States of America

State of Pennz) ss.:

On this _______ day of _______, 19 7 _____, before me personally came Scott A SEGAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

NOTARIAL SEAL LORI K. REISS, Notary Public Affantown, Lahigh County, PA My Commission Expires Out. 29, 2001

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

RECORDED: 06/03/1999

PATENT REEL: 010032 FRAME: 0378