To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy

10-19-1998

U.S. DEPARTMENT OF COMMERCE

Atty. Docket No.: 3787,13857

Thomas H. Jackson, Reg. 29,808

is a true copy of the original document.

(Djuknic 2-1)

Name of Person Signing

Statement and signature.

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

ASSIGNMENT AND AGREEMENT

For value received, we, Goran M. Djuknic of 30 Newport Parkway, Jersey City in the County of Hudson and State of New Jersey 07310, and John Freidenfelds of 26 Stafford Drive, Madison, in the County of Morris and State of New Jersey 07940, 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 Retrieval And Manipulation Of **Electronically Stored Information Via Pointers Embedded In The Associated** Printed Material 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: 9508 FRAME: 0972

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 America

State of New Jersey
City of Morris County
On this 18th da On this ______ day of _____ day of _____ 19 98 , before me personally came Goran M. Djuknic, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

LORIE M. BUONOCORE Notary Public Of New Jersey I.D. NO.: 2183971 Expires November 16, 2000

> **PATENT REEL: 9508 FRAME: 0973**

John Freidenfelds

United States of America

State of New Jersey

County of Morrise

personally came John Freidenfelds, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

LORIE M. BUONOCORE Notary Public Of New Jersey D. NO.: 2183971 Expires November 16, 2000

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

> **PATENT RECORDED: 10/02/1998 REEL: 9508 FRAME: 0974**