

08-20-1999

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To the Honorable Commissioner of Patents and

101122251

or copy thereof.

1. Name of conveying party(ies): Michael Abraham Benedikt and Leonid Libkin

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Lucent Technologies Inc.

Internal Address:

Street Address: 600 Mountain Avenue P.O. Box 636

City: Murray Hill State: NJ ZIP: 07974-0636

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other

AUG 12 1999

Execution Dates: June 27 and July 16, 1999

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/322,660 B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: William E. Lewis Internal Address: Ryan & Mason, L.L.P. Street Address: 90 Forest Avenue

City: Locust Valley State: NY ZIP: 11560

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41)..... \$ 40.00

Enclosed Authorized to be charged to deposit account

8. Deposit account number 12-2325

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9. 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.

William E. Lewis

Reg. No. 39,274

Signature: William E. Lewis

August 11, 1999

Date

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FC.56: 40.00 CH Total number of pages including cover sheet, attachments, and document: 4

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ASSIGNMENT AND AGREEMENT

For value received, we, Michael Abraham Benedikt, of Chicago in the County of Cook and State of Illinois, and Leonid Libkin, of Basking Ridge in the County of Somerset 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 **METHODS AND APPARATUS FOR GENERATING AND USING SAFE CONSTRAINT QUERIES** described in application Serial No. 09/322,660 for Letters Patent of the United States, filed May 28, 1999, 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.

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.

Michael Abraham Benedikt

Michael Abraham Benedikt

Date: 6/27/99

United States of America)

State of Illinois) ss.: 143 42 1/64


County of Cook)

On this 27th day of JUNE, 1999, before me personally came Michael Abraham Benedikt, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Carol Schupljak

Notary Public





Leonid Libkin

Date: 16 July 1999

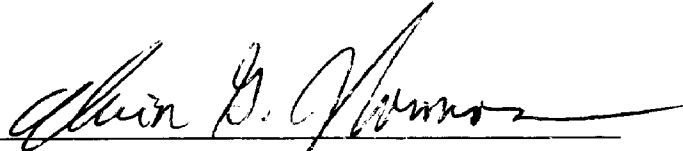
~~United States of America~~)

~~State of New Jersey~~) ss.:

~~County of Union~~)

REPUBLIC OF FRANCE CITY OF PARIS
EMBASSY OF THE UNITED STATES OF AMERICA

On this 16th day of July, 1999, before me personally came Leonid Libkin, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

Alain G. Norman
Vice Consul
U.S. Embassy-Paris

Ryan & Mason, L.L.P.
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Locust Valley, New York 11560
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