FORM PTO-1595 REC(01	-19-2000 U.S. DEPARTMENT OF COMMERC
To the Honorable Commissioner of Patents a	PATENT AND TRADEMARK OFFICE O1247546 Lucent Technologies, Inc. Internal Address: Street Address: 600 Mountain Avenue, P.O. Box 636 City: Murray Hill State: New Jersey Additional name(s) & address(es) attached? YES X NO PATENT AND TRADEMARK OFFICE D1970 1970
Execution Date: December 8, 1999 4. Application number(s) or patent number(s):	Additional name(s) & address(es) attached?YES _XNO
Additional application or patent nur. Name and address of party to whom correspondence concerning	nbers attached? YES X NO 6. Total number of applications and patents involved: 1
document should be mailed: Name: Docket Administrator Address: 600 Mountain Avenue, P.O. Box 636,	7. Total Fee (37 CFR 3.41)
Room 3C-512 City: Murray Hill State: New Jersey Zip: 07974-0636	8. Should any fee adjustment be necessary to effect proper recordation, please debit or credit our Deposit Account No. 12-2325, as necessary.
72000 DNGUYEN 00000155 122325 \09480261\ DO NOT US	SE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing info is a true copy of the original document. Joseph P. Curtin, Reg. 34,571 Name of Person Signing Signature	rmation is true and correct and any attached copy
Atty. Docket No.: <u>03787,78006</u>	

PATENT REEL: 010487 FRAME: 0502

ASSIGNMENT AND AGREEMENT

For value received, we, Swarup Acharya of 32 Southgate Rd., Apt. 2, New Providence, in the County of Union and the State of New Jersey 07974; Phillip B. Gibbons of 41 Fairview Avenue, North Plainfield, in the County of Somerset and the State of New Jersey 07060; Viswanath Poosala of 36 Tree Top Road, Middlesex, in the County of Middlesex and State of New Jersey 08846; and Sridhar Ramaswamy of 277 Andsbury Avenue, Mountain View, in the County of Santa Clara and the State of California 94043, 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 JOIN SYNOPSIS-BASED APPROXIMATE QUERY ANSWERING 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.

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

PATENT REEL: 010487 FRAME: 0503

necessary, desirable or convenie or other forms of protection.	ent in c	onnection with said applications, patents,
		Swarup Acharya
Date: 12/8/99		V
State of New Jessey City of New Jessey On this da personally came Swarup Achary and who executed the foregoing same. DIANE C. THOMA NOTARY PUBLIC OF NEW J My Commission Expires July 1	instrur S ERSEY	(Junus), 19 99, before me le known to be the individual described in ment, and acknowledged execution of the Manus (Junus). Notary Public
Date:		Phillip B. Gibbons
United States of America)	
State of) ss.:	
City of)	
On thisda personally came Phillip B. Gibbon and who executed the foregoing same.	ay of ns, to n instru	, 19, before me ne known to be the individual described in ment, and acknowledged execution of the
		Notary Public
		Viswanath Poosala

Date:_____

PATENT REEL: 010487 FRAME: 0504

United States of America)	
State of) ss.:	
County of)	
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		Notary Public
		Sridhar Ramaswamy
Date:	,,	
United States of America)	
State of) ss.:	
County of)	
personally came Sridhar Rar	naswamy, to	, 19, before me o me known to be the individual described ment, and acknowledged execution of the
		Notary Public
Lucent Technologies Inc. 600 Mountain Avenue (Roo P. O. Box 636 Murray Hill, New Jersey 07		

PATENT RECORDED: 01/11/2000 REEL: 010487 FRAME: 0505