

4-6-00

Docket Number: 113669

05-04-2000

U.S. Department of Commerce
Patent and Trademark Office

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Name (line 1)	Jagadish, Hosagrahar Visvesvaraya	Execution Date MMDDYYYY 02/18/2000
Name (line 2)		

Second Party

Name (line 1)	Ng, Raymond	Execution Date MMDDYYYY 03/22/2000
Name (line 2)		

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Name (line 1)	AT&T Corp.	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
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PATENT
REEL: 010745 FRAME: 0459

Docket Number:

113669

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U.S. Department of Commerce
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PATENT**CORRESPONDENCE ADDRESS** Customer Number or Bar Code Label

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or Correspondence address below

NAME	Samuel H. Dworesky		
ADDRESS	AT&T CORP. P.O. Box 4110		
CITY	Middletown	STATE	New Jersey
COUNTRY	United States of America	ZIP CODE	07748-4110
		FAX	732-368-6932

Pages Enter the total number of pages of the attached conveyance document # 5
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Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/476715

If this document is being filed with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

Number of Properties

Enter the total number of properties involved. # 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

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Deposit Account

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Deposit Account Number: 01-2745

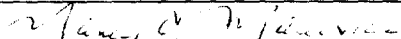
Authorization to charge additional fees: Yes No**STATEMENT AND SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

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.

NAME	Benjamin S. Lee		
TELEPHONE	973-360-8117		
SIGNATURE		DATE	03/30/2000

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PATENT
REEL: 010745 FRAME: 0460

Docket Number: 113669

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Conveying Party(ies) Mark if additional names of conveying parties attached*Enter Additional Conveying Parties*

Name (line 1)	Srivastava, Divesh	Execution Date MMDDYYYY 02/18/2000
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Name (line 1)		Execution Date MMDDYYYY
Name (line 2)		
Name (line 1)		Execution Date MMDDYYYY
Name (line 2)		

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Address (line 1)		
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	City, State/Country Zip Code	

Application Number(s) or Patent Number(s) Mark if additional numbers are attachedEnter either the Patent Application Number or the Patent Number (*DO NOT ENTER BOTH numbers for the same property*).

Patent Application Number(s)	Patent Number(s)

ASSIGNMENT AND AGREEMENT

For value received, each of the undersigned, Hosagrahar Visvesvaraya Jagadish of Ann Arbor in the County of Washtenaw County and State of Michigan, Raymond Ng of Vancouver in the Country of Canada, and Divesh Srivastava of Summit in the County of Union County and State of New Jersey, hereby sells, assigns and transfers to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, United States of America, and its successors, assignees 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 Substring Selectivity Estimation

described in an application for Letters Patent for the United States of America,

for which an application for a United States Patent was executed on _____

for which an application for a United States Patent was filed on 12/30/1999 Application Number 09/476715,

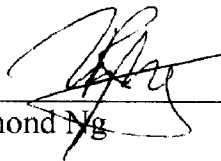
and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and the undersigned also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions 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.

The undersigned authorize AT&T Corp. 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 the undersigned, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

The undersigned 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 AT&T Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

The undersigned request that any and all patents for said inventions be issued to AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

The undersigned agree that, when requested, the undersigned shall, without charge to AT&T Corp. 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.

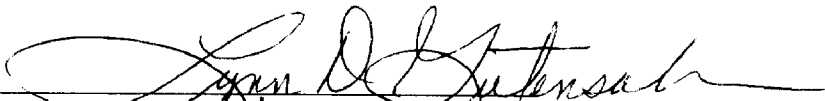


Raymond Ng

Date: March 22, 2000

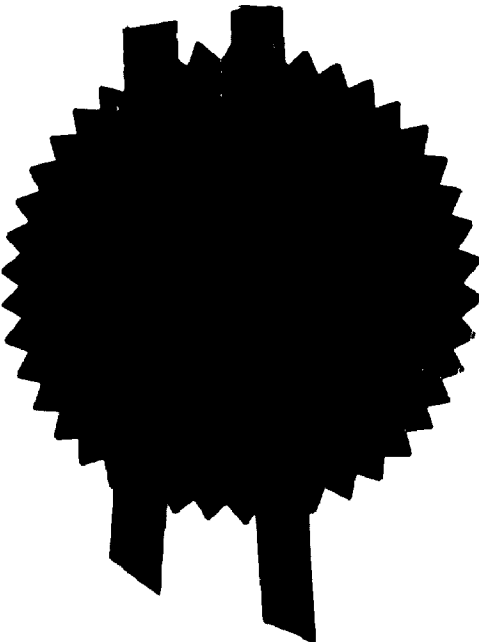
United States of America	Canada,)
State of	Province of British) ss.:
County of	Columbia,)
	City of Vancouver,	
	Consulate General of	
	the United States	
	of America	

On this 22nd day of March, 2000 before me personally came Raymond Ng, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



~~Notary Public~~ **Lynn D. Gutensohn**
U.S. Consul

AT&T CORP.
P.O. Box 4110
Middletown, New Jersey 07748-4110



Hosagrahar Visvesvaraya Jagadish
Hosagrahar Visvesvaraya Jagadish

Date: 2/12/02

United States of America)

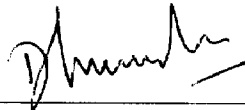
State of NJ) ss.:

County of Morris)

On this 16th day of February, 2002 before me personally came Hosagrahar Visvesvaraya Jagadish, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public
NOTARY PUBLIC OF NEW JERSEY
My Comm. Expires Oct 29, 2004

AT&T CORP.
P.O. Box 4110
Middletown, New Jersey 07748-4110



Divesh Srivastava

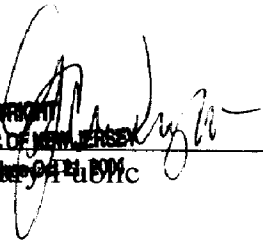
Date: 2/12/20

United States of America)

State of NY) ss.:

County of Manh)

On this 12th day of February, 2000 before me personally came Divesh Srivastava, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



G.C. WRIGHT
NOTARY PUBLIC OF NEW JERSEY
My Comm. Expires 04/01/01

AT&T CORP.
P.O. Box 4110
Middletown, New Jersey 07748-4110