

05-07-1998

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U.S. DEPARTMENT OF COMMERCE

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MRD 4-24-98



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To the Honorable Commissioner of Pat

hed original documents or copy thereof.

## 1. Name of conveying party(ies):

G. D. Ramkumar  
Sanjay Ranka  
Shalom Tsur

## 2. Name and address of receiving party(ies):

Name: Hitachi America, Ltd.

Internal Address : \_\_\_\_\_

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

## 3. Nature of Conveyance:

☒ Assignment☐ Security Agreement☐ Other \_\_\_\_\_☐ Merger☐ Change of Name

Execution Date : April 22 , 1998

Street Address : 50 Prospect AvenueCity Tarrytown State NY Zip 10591Additional name(s) and 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 : 4/24/98

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: John Sideris, Esq.Internal Address : Hitachi America, Ltd.Legal Group(914) 333-2934Street Address : 50 Prospect AvenueCity: Tarrytown State: NY Zip 105916. 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:

08-2393

(Attach duplicate copy of this page if paying by deposit account)

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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.*John SiderisName of Person Signing  
(914) 333-2934

Signature

4/24/98

Date

Total number of pages comprising cover sheet: 1

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PATENT EXPRESS MAIL NO.

REEL: 9140 FR 06580638

**PATENT ASSIGNMENT**

G.D. Ramkumar, Sanjay Ranka and Shalom Tsur

as inventors of the invention and/or discovery entitled

**Method and Apparatus for Generating Weighted Association Rules**

desire to assign to Hitachi America, Ltd., a corporation organized and existing under the laws of the State of New York and whose corporate offices are located at 50 Prospect Avenue, Tarrytown, New York 10591, which, together with its successors and assigns, hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof acquired by Assignee.

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said invention and discovery, any and all applications for Letters Patent of the United States of America, any and all other applications for Letters Patent on said invention and discovery in whatever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said invention or discovery or upon said applications, and all Letters Patent and reissues and extensions of Letters Patent granted for said invention and discovery or upon said applications and every priority right that it may be predicated upon or arise from said inventions, said discovery, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said invention and discovery in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said invention, discovery, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said invention or discovery; and that we have the right to assign the same to Assignee without encumbrance;
5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonable serving to assure that the said invention and discovery, said patent

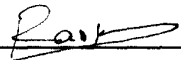
EXPRESS MAIL NO.

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REEL: 9140 FRAME: 0669

applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and others, and all assignments, disclaimers, and law affidavits in the form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said invention and discovery or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures and reduction to practice of said invention and discovery.

The effective date of this instruments is the 15 day of April, 1996.

Assignor's Signature: 

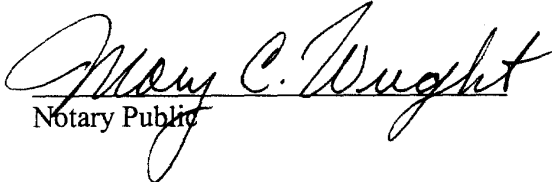
Assignor's Name: G D Ramkumar  
First Name Middle Initial Last Name

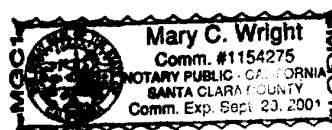
Citizenship: INDIA

IN WITNESS WHEREOF, We have hereunto set our hand and affixed our seal this 16<sup>th</sup> day of APRIL, 1998

STATE OF CALIFORNIA)  
) ss.:  
COUNTY OF SANTA CLARA

On this 16<sup>th</sup> day of APRIL, 1998, before me, the undersigned authority, personally appeared G. D. RAMKUMAR to me known and known to me to be the individual who is described in and who executed the foregoing Assignment, and who duly acknowledged to me that he/~~she~~ executed the same as his/~~her~~ own voluntary act and deed for the uses and purposes therein specified.

  
Notary Public



PATENT  
REEL: 9140 FRAME: 0670

Assignor's Signature: Sanjay Ranka

Assignor's Name: Sanjay Ranka  
First Name Middle Initial Last Name

Citizenship: INDIAN

IN WITNESS WHEREOF, We have hereunto set our hand and affixed our seal this 22nd  
day of April 22, 1998.

STATE OF Florida )  
 ) ss.:  
COUNTY OF Alachua )

On this 22nd day of April, 1998, before me, the undersigned authority, personally  
appeared Dr. Sanjay Ranka to me known and known to me to be the  
individual who is described in and who executed the foregoing Assignment, and who  
duly acknowledged to me that he/she executed the same as his/her own voluntary act and  
deed for the uses and purposes therein specified.

Deborah A. Butler  
Notary Public



DEBORAH A. BUTLER  
My Comm Exp. 9/30/2001  
Bonded By Service In-  
No. CC673638

☐ Personally Known

Assignor's Signature: \_\_\_\_\_

*Shalom Tsur*

Assignor's Name: \_\_\_\_\_

Shalom  
First Name

\_\_\_\_\_  
Middle Initial

Tsur  
Last Name

Citizenship: USA

IN WITNESS WHEREOF, We have hereunto set our hand and affixed our seal this 16<sup>th</sup>  
day of April, 1998.

STATE OF CALIFORNIA )

) ss.:

COUNTY OF SANTA CLARA

On this 16<sup>th</sup> day of APRIL, 1998 before me, the undersigned authority, personally  
appeared Shalom Tsur to me known and known to me to be the  
individual who is described in and who executed the foregoing Assignment, and who  
duly acknowledged to me that he/she executed the same as his/her own voluntary act and  
deed for the uses and purposes therein specified.

*Mary C. Wright*  
\_\_\_\_\_  
Notary Public



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RECORDED: 04/24/1998

PATENT  
REEL: 9140 FRAME: 0672