

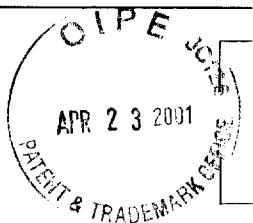
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05-10-2001



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FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027



U.S. Department of Commerce
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PATENT

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☐ Correction of PTO Error

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Conveyance Type

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File

☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) Sinha, Prasun

Execution Date
Month Day Year
 April 3, 2001

Name (line 2)

Second Party

Name (line 1) Krishnamurthy, Srikanth

Execution Date
Month Day Year
 April 6, 2001

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) HRL Laboratories, LLC

Name (line 2) a limited liability company of Delaware

☐ 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.)

Address (line 1) 3011 Malibu Canyon Road

Address (line 2)

Address (line 3) Malibu

City

California

State/Country

90265-4799

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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PATENT
REEL: 011769 FRAME: 0408

Correspondent Name and Address

Area Code and Telephone Number (310) 589-8158

Name Cary Tope-McKay

Address (line 1) 23852 Pacific Coast Highway #311

Address (line 2) Malibu, CA 90265

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

4

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

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

Patent Application Number(s)

09/764668

Patent Number(s)

If this document is being filed together 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.

PCT

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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

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

Method of Payment:
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Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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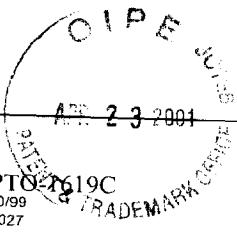
Cary Tope-McKay

Name of Person Signing

Signature

Date

4/22/01



FORM PTO-219C
Expires 06/30/99
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**RECORDATION FORM COVER SHEET
CONTINUATION
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PATENT

Conveying Party(ies)

Enter additional Conveying Parties

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Name (line 1)	Dao, Son
Name (line 2)	
Name (line 1)	
Name (line 2)	
Name (line 1)	
Name (line 2)	

Execution Date
Month Day Year

April 16, 2001

Execution Date
Month Day Year

Execution Date
Month Day Year

Receiving Party(ies)

Enter additional Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Name (line 1)			
Name (line 2)			
Address (line 1)			
Address (line 2)			
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Name (line 1)			
Name (line 2)			
Address (line 1)			
Address (line 2)			
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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

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)

Attorney Docket: HRL045

HRL Docket: 991010

Invention Title: **SCALABLE UNIDIRECTIONAL ROUTING USING ZONE ROUTING PROTOCOL EXTENSIONS FOR WIRELESS NETWORKS**

ASSIGNMENT

WHEREAS, I, Prasun Sinha of 814 Knollwood Dr., Middletown, New Jersey 07748, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in **SCALABLE UNIDIRECTIONAL ROUTING USING ZONE ROUTING PROTOCOL EXTENSIONS FOR WIRELESS NETWORKS** (hereinafter "Invention") for which an application for a United States Patent was filed on January 18, 2001, Application Number 09/764668 and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 3rd day of April, 2001,
at _____.


(Signature)

ASSIGNMENT

WHEREAS, I, Srikanth Krishnamurthy of 8909 Massena Street, Riverside, California 92508, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in **SCALABLE UNIDIRECTIONAL ROUTING USING ZONE ROUTING PROTOCOL EXTENSIONS FOR WIRELESS NETWORKS** (hereinafter "Invention") for which an application for a United States Patent was filed on January 18, 2001, Application Number 09/764668 and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaining and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 6th day of April, 2001,
at Riverside, CA

Srikanth, M.
(Signature)

Page 1 of 1
4/1/01

HRL045-Krishnamurthy

ASSIGNMENT

WHEREAS, I, Son Dao of 18110 Herbold Street, Northridge, California 91325, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in **SCALABLE UNIDIRECTIONAL ROUTING USING ZONE ROUTING PROTOCOL EXTENSIONS FOR WIRELESS NETWORKS** (hereinafter "Invention") for which an application for a United States Patent was filed on January 18, 2001, Application Number 09/764668 and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

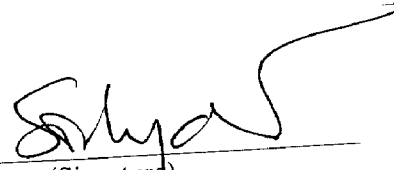
WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

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IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this 16 day of APRIL, 2001,
at Malibu


(Signature)