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To the Honorable Commissioner of Patent

06-15-1998



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Name of conveying party(ies):

SHREE K. NAYAR RAHUL SWAMINATHAN JOSHUA M. GLUCKMAN

Additional name(s) of conveying party(ies) attached?

[]Yes

[X] No

Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement

[] Change of Name

[] Other _____

Execution Date: April 27, 1998

100737114 Name and address of receiving party(ies)

Name: The Trustees of Colombia University in the

original documents or copy thereof.

City of New York

Address: 116th Street & Broadway

City: New York State: NY Zip: 10027 Additional name(s) and address(es) attached?

[] Yes



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) 09/034,745

B. Patent No.(s)

Additional numbers attached?

[]Yes

[X]No

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

Name: Henry Tang

BAKER & BOTTS, L.L.P.

Address: 30 Rockefeller Plaza - 44 Fl.

City: New York State: NY Zip: 10112

Total number of applications and patents involved:

Total fee (37 CFR 3.41): 7.

\$ 40.00

[X] Enclosed

[] Authorized to be charged to deposit account

Deposit account number:

02-4377

(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 instrumentation is true and correct and any attached copy is a true copy of the original document.

Leonardo Renna

Signature

May 28, 1998

Name of Person Signing

Date

Total number of pages including cover sheet, attachments and document:

PATENT REEL: 9230 FRAME: 0434

<u>ASSIGNMENT</u>

WHEREAS, WE, SHREE K. NAYAR, a citizen of India, residing in the City of New York, County of New York, and State of New York, whose post office address is 560 Riverside Drive, Apt. 15D, New York, NY 10027; RAHUL SWAMINATHAN, a citizen of India, residing in the City of New York, County of New York, and State of New York, whose post office address is Columbia University, Department of Computer Science, 1214 Amsterdam Avenue, Mail Code 0401, New York, New York, 10027; and JOSHUA M. GLUCKMAN, a citizen of the United States of America, residing in Brooklyn, Kings County, State of New York, whose post office address is 199 Dean Street, Brooklyn, New York 11217; have made an invention entitled "A COMBINED WIDE-ANGLE AND NARROW-ANGLE IMAGING SYSTEM FOR SURVEILLANCE AND MONITORING" as set forth and described in application for Letters Patent of the United States, Serial No. 09/034,7454, filed March 4, 1998; and

WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK (hereinafter "COLUMBIA"), having its principal place of business at 116th Street & Broadway, New York, New York 10027, is desirous of acquiring the whole right, title and interest in and to said Letters Patent and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said SHREE K. NAYAR, RAHUL SWAMINATHAN, and JOSHUA M. GLUCKMAN, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to us in hand paid by said COLUMBIA, and other valuable considerations unto us moving from said COLUMBIA, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said COLUMBIA, its successors and assigns, the entire right, title and interest in and to the said invention as set forth and described in the specification forming a part of the application for Letters Patent of the United States for "A COMBINED WIDE-ANGLE AND NARROW-ANGLE IMAGING SYSTEM FOR SURVEILLANCE AND MONITORING", as set forth and described in application for Letters Patent of the United States, Serial No. 09/034,7454, filed March 4, 1998, and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted:

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PATENT REEL: 9230 FRAME: 0435

AND WE, the said SHREE K. NAYAR, RAHUL SWAMINATHAN, and JOSHUA M. GLUCKMAN, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said COLUMBIA, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COLUMBIA, its successors and assigns;

AND WE, the said SHREE K. NAYAR, RAHUL SWAMINATHAN, and JOSHUA M. GLUCKMAN, for the considerations aforesaid, do hereby covenant and agree to and with said COLUMBIA, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said COLUMBIA, its successors and assigns, may be required or necessary more effectively to secure to and vest in said COLUMBIA, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, I, the said SHREE K. NAYAR, have hereunto set my hand and seal on the date below written.

STATE OF NEW YORK
: ss.:
COUNTY OF N)

BE IT KNOWN, that on this 27 day of PRIC., 1998, before me personally came SHREE K. NAYAR, to me known and known to me to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Notary Public

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> PATENT REEL: 9230 FRAME: 0436

IN WITNESS WHEREOF, I, the said RAHUL SWAMINATHAN, have hereunto set my hand and seal on the date below written.

	Mahul
	RAHUL SWAMINATHAN
STATE OF NEW YORK) : ss.: COUNTY OF NY)	
COUNTY OF NY : ss.:	
BE IT KNOWN, that on this 27 day personally came RAHUL SWAMINATHAN person mentioned in and who executed the fit to me that he executed the same as his free a mentioned.	N, to me known and known to me to be the oregoing assignment, and he acknowledged
PATRICIA H. WELCH No. 91WE 4812527 Qualified in Kings County Commission Expires August 31, 19	Jahricia / Welch
COMMISSION	Notary Public
IN WITNESS WHEREOF, I, hereunto set my hand and seal on the date be	the said JOSHUA M. GLUCKMAN, have elow written. JOSHUA M. GLUCKMAN
STATE OF NEW YORK	
COUNTY OF WY)	
BE IT KNOWN, that on this 27 day personally came JOSHUA M. GLUCKMAN person mentioned in and who executed the f to me that he executed the same as his free a mentioned. PATRICIA H. WELCH Notery Public, State of Now York No. 01 WE 4812617 Gualfied in Kings County Communication Expires August 31, 19	N, to me known and known to me to be the coregoing assignment, and he acknowledged

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RECORDED: 05/28/1998