

MCW 9-25-98



100843073

original document. RECEIVED  
1998 SEP 25 AM 8:56  
UPR/FINANCE

- 1. Name of conveying party(ies):  
 (1) Ares J. Rosakis (3) Elizabeth Kolawa  
 (2) Raman P. Singh (4) Nicholas R. Moore, Jr.

- 2. Name and address of receiving party(ies):  
 California Institute of Technology  
 1200 East California Boulevard  
 Pasadena, CA 91125

Additional name(s) attached?  Yes  No

Additional names/addresses attached?  Yes  No

- 3. Nature of conveyance:  
 Assignment  
 Merger  
 Security Agreement  
 Change of Name  
 Other:

Execution Date: (1) 9/21/98; (2) 9/21/98;  
(3) 8/28/98; (4) 9/18/98

- 4. Application number(s) or patent number(s):  
 If this document is being filed with a new application, the execution date of the application is: 6/3/98  
 A. Patent Application No.(s): 09/090,280  
 B. Patent No.(s):  
 Additional numbers attached?  Yes  No

- 5. Name/address of party to whom correspondence concerning document should be mailed:  
  
 Scott C. Harris, Reg. No. 32,030  
 Fish & Richardson P.C.  
 4225 Executive Square, Suite 1400  
 La Jolla, CA 92037

- 6. Total number of applications/patents involved: 1
- 7. Total fee (37 CFR 3.41): \$40  
 Enclosed  
 Authorized to charge deposit account
- 8. Deposit account number: 06-1050  
 If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

DO NOT USE THIS SPACE

- 9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is a true copy of the original document.*

Scott C. Harris, Reg. No. 32,030  
Name of Person Signing

[Signature]  
Signature

9/21/98  
Date

Total number of pages including cover sheet, attachments, and document: 4

Date of Deposit 9-31-98  
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Margaret J. Pierre  
MARGARET J. PIERRE  
PATENT

09/29/1998 JUNITIKINS 00000127 09090280 40.00 01 FC:561

CIT 2638

PATENT  
ATTORNEY DOCKET NO. 06618/155001

**ASSIGNMENT**

For valuable consideration, We, ARES J. ROSAKIS of Altadena, California; RAMAN P. SINGH of Pasadena, California; ELIZABETH KOLAWA of Bradbury, California; and NICHOLAS R. MOORE, JR. of Altadena, California; hereby assign to California Institute of Technology, a California corporation having a place of business at 1200 East California Boulevard, Pasadena, CA 91125 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled

**COHERENT GRADIENT SENSING METHOD AND SYSTEM  
FOR MEASURING SURFACE CURVATURE**

filed June 3, 1998 and assigned U.S. Serial Number 09/090,280 and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: Sept 21/98

Ares J. Rosakis  
Ares J. Rosakis

Date: \_\_\_\_\_

Raman P. Singh  
Raman P. Singh

Date: 8/28/98

E. Kolawa  
Elizabeth Kolawa

Date: \_\_\_\_\_

Nicholas R. Moore, Jr.  
Nicholas R. Moore, Jr.

65380.LJ1

CTT 2638

PATENT  
ATTORNEY DOCKET NO. 06618/18891

**ASSIGNMENT**

For valuable consideration, We, ARES J. ROSAKIS of Altadena, California; RAMAN P. SINGH of HAUFFAUCE, NEW YORK; ELIZABETH KOLAWA of Bradbury, California; and NICHOLAS R. MOORE, JR. of Altadena, California; hereby assign to California Institute of Technology, a California corporation having a place of business at 1200 East California Boulevard, Pasadena, CA 91125 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled

**COHERENT GRADIENT SENSING METHOD AND SYSTEM  
FOR MEASURING SURFACE CURVATURE**

filed June 3, 1998 and assigned U.S. Serial Number 09/090,280 and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: \_\_\_\_\_

Date: 9/21/98

Date: 8/28/98

Date: \_\_\_\_\_

\_\_\_\_\_  
Ares J. Rosakis

Raman P. Singh  
Raman P. Singh

E. Kolawa  
Elizabeth Kolawa

\_\_\_\_\_  
Nicholas R. Moore, Jr.

6730.U1

Sep-18-98 02:07P GALCIT Solid Mechanics

818 304-0175

P.05

Aug-20-98 11:22A GALCIT Solid Mechanics

818 304-0175

003

P.05

CIT 2438

PATENT ATTORNEY DOCKET NO. 0618/10009

ASSIGNMENT

For valuable consideration, We, ARES J. ROSAKIS of Alhambra, California; RAMAN P. SINGH of Pasadena, California; ELIZABETH KOLAWA of Pasadena, California; and NICHOLAS R. MOORE, JR. of Alhambra, California; hereby assign to California Institute of Technology, a California corporation having a place of business at 1200 East California Boulevard, Pasadena, CA 91125 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled

COHERENT GRADIENT SENSING METHOD AND SYSTEM FOR MEASURING SURFACE CURVATURE

filed June 3, 1998 and assigned U.S. Serial Number 09/090,280 and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: \_\_\_\_\_

\_\_\_\_\_  
Ares J. Rosakis

Date: \_\_\_\_\_

\_\_\_\_\_  
Raman P. Singh

Date: 8/28/98

\_\_\_\_\_  
E. Kolawa  
Elizabeth Kolawa

Date: 9/18/98

\_\_\_\_\_  
Nicholas R. Moore, Jr.  
Nicholas R. Moore, Jr.

000001