

07-31-1998

Attorney Docket No.: 06618/110001

1 SHEET



100782263

7-27-98

Assistant Commissioner for Patents

document

1. Name of conveying party(ies):
Gang He and Harry A. Atwater

2. Name and address of receiving party(ies):
**California Institute of Technology
201 E. 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: **7/14/98 and 7/10/98**

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:

A. Patent Application No.(s):
09/036,182

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, Esq.
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 the original document.*

Allison A. Johnson

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **3**

07/30/1998 TTON11 00000061 09036182

01 FC:581

40.00 DP

Date of Deposit

7/31/98

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.

Judith A. Riley

PATENT

REEL 9346 FRAME 0203

ASSIGNMENT

For valuable consideration, we, Gang He, of Colorado Springs, CO; and Harry A. Atwater of S. Pasadena, CA; hereby assign to California Institute of Technology, a California corporation having a place of business at 201 E. 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, entitled METHODS FOR MANUFACTURING GROUP IV ALLOY SEMICONDUCTOR MATERIALS AND DEVICES THAT INCLUDE SUCH MATERIALS, filed March 6, 1998, and assigned U.S. Serial Number 09/036,182, 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, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves 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.

IN WITNESS WHEREOF, I hereto set my hand and seal at Colorado Springs,

this 14th day of July, 1998

Gang He _____ L.S.
GANG HE

STATE OF Colorado :

COUNTY OF El Paso : 188.

IN WITNESS WHEREOF, I hereto set my hand and seal at Pasadena CA,

this 10th day of July, 1998

HARRY A. ATWATER L.S.
HARRY A. ATWATER

STATE OF California :

:SS.

COUNTY OF Los Angeles :