FORM PTO-1595

Docket No. 47490/JWP/S968

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Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

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|--|--|--|--|--|--|--|--|--|
| 1. | | | Name and address of receiving party: | | | | | |
| l | Mansukhlal Mangrolia | | Name: Bharat M. Mangrolia | | | | | |
| | Additional name(s) of conveying party | | Street Address: | | | | | |
| | attached: no | | 7562 Ellis Avenue, #G9, Huntington Beach, CA 92648 | | | | | |
| _ | | 4 | 7502 Ems Avenue, #05, Hunnington Deach, CA 52046 | | | | | |
| 3. | Name of conveyance: | | | | | | | |
| | Assignment Merger | | | | | | | |
| | Security Agreement Change of Name | | | | | | | |
| X | X Other: Confirmation of Assignment to replace previously | | | | | | | |
| recorded assignment at Reel 015042, Frame 0429 | | | | | | | | |
| Ехе | cution Date: May 24, 2005 | | Additional name(s) & address(es) attached? NO | | | | | |
| 4. | Application number(s) or patent number(s): | | | | | | | |
| | If this designant is haine filed to not a milk a new and limited the manual data of the analysis. | | | | | | | |
| | If this document is being filed together with a new application, the execution date of the application is: | | | | | | | |
| ٠, | | | , | | | | | |
| | A. Patent Application No.(s) | I | B. Patent No.(s) | | | | | |
| | 10/020,506 filed December 11, 2001 | | | | | | | |
| | 10,020,500 Inde 2000mbot 11, 2001 | | | | | | | |
| Additional numbers attached? no | | | | | | | | |
| 5. | Please return the recorded document and address all | 6. | Total number of applications and patents involved | | | | | |
| | correspondence to: | | | | | | | |
| | | 7. | X Total fee to be charged to Deposit Account No. 03-1728 | | | | | |
| | CHRISTIE, PARKER & HALE, LLP | | (37 CFR 3.41): \$40.00 | | | | | |
| | P.O. Box 7068 Pas≇dena, CA 91109-7068 | | | | | | | |
| | Attention: John W. Peck, Ph.D. | 8. | X Any deficiency or overpayment of fees should be charged or credited to | | | | | |
| | | | Deposit Account No. 03-1728, except for payment of issue fees required | | | | | |
| 10. | X Explanatory letter is enclosed. | | under 37 CFR § 1.18. Please show our docket number with any credit or | | | | | |
| | | | charge to our Deposit Account. | | | | | |
| 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 | | | | | | | |
| | Date: June 9, 2005 | | | | | | | |
| | | | | | | | | |
| | Name: John W. Peck, Ph.D. | | | | | | | |
| | | 626/795-9900 | | | | | | |
| 1 | | Total number of pages including cover sheet, | | | | | | |
| | | | attachments, and document: | | | | | |
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PATENT REEL: 016333 FRAME: 0075

Docket No. 47490/DJB/S968

CONFIRMATION OF ASSIGNMENT

1. Definitions

The Assignor means MANSUKHLAL MANGROLIA, residing at 7562 Ellis Avenue, #G9, Huntington Beach, California 92648, together with any successors in interest.

The Assignee means BHARAT M. MANGROLIA, residing at 7562 Ellis Avenue, #G9, Huntington Beach, California 92648.

U.S. Patent Application No. 08/654,916 means the application for United States Letters Patent Application No. 08/654,916.

The technology of U.S. Patent Application No. 08/654,916 means developments relating to the fabrication of printed circuit boards and which involve the use of a carbon core material that constrains the thermal expansion of the board, increases the thermal conductivity of the board and increase the sitffness of the board.

United States Provisional Application No. 60/254,997 means the provisional application entitled LIGHT WEIGHT MULTIPLE LAYER PRINTED WIRING BOARD, filed December 12, 2000, Application No. 60/254,997.

U.S. Patent Application No. 10/020,506 means the application for United States Letters Patent entitled LIGHTWEIGHT CIRCUIT BOARD WITH CONDUCTIVE CONSTRAINING CORES, filed December 11, 2001, Application No. 10/020,506, together with claim to the priority of United States Provisional Application No. 60/254,997, filed December 12, 2000.

A related application to U.S. Patent Application No. 08/654,916 means:

- any divisional application, continuation application, reissue, or reexamination of U.S. Patent Application No. 08/654,916, or any domestic or foreign application for letters patent filed or any domestic or foreign letters patent that claim priority from U.S. Patent Application No. 08/654,916; and
- any application or patent related to the technology of U.S. Patent Application No. 08/654,916, including U.S. Patent Application No. 10/020,506 and any divisional application, continuation application, reissue, or reexamination of U.S. Patent Application No. 10/020,506, or any domestic or foreign application for letters patent filed or any domestic or foreign letters patent that claim priority from U.S. Patent Application No. 10/020,506.

Patent Rights means U.S. Patent Application No. 08/654,916 and any related application to U.S. Patent Application No. 08/654,916, including U.S. Patent Application No. 10/020,506.

2. Declarations acknowledging assignment

The Assignor is the assignee of record of all the U.S. Patent Application No. 08/654,916 and all related applications, including U.S. Patent Application No. 10/020,506 and U.S. Provisional Application No. 60/254.997.

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ASSIGNMENT Docket No. 47490/RAG/S968

The Assignor and the Assignee confirm that the attached document is a true copy of an assignment executed on January 7, 2002.

Both the Assignor and Assignee confirm the assignment to the Assignee that occurred on January 7, 2002 to the entire right, title and interest in all the Patent Rights enumerated herein, including U.S. Patent Application No. 08/654,916 and all related applications, including:

- U.S. Patent Application No. 10/020,506;
- U.S. Provisional Application No. 60/254,997;
- related applications to U.S. Patent Application No. 10/020,506
- the inventions disclosed in the above applications and related applications;
- all priority rights arising out of **U.S. Patent Application No. 10/020,506** under International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms; and
- the right to sue for infringement of any right arising from the filing of U.S. Patent Application No. 10/020,506 or any related application to U.S. Patent Application No. 10/020,506 that occurred prior to the assignment of January 7, 2002.

3. Obligations assumed by Assignor

The Assignee and Assignor confirm that as part of the assignment that occurred on January 7, 2002, the Assignor undertook to:

- communicate to the Assignee any facts known to it respecting U.S. Patent Application No. 08/654,916 and all related applications, including U.S. Patent Application No. 10/020,506 or a related application to U.S. Patent Application No. 10/020,506;
- testify in any legal proceeding respecting U.S. Patent Application No. 08/654,916 and all related applications, including U.S. Patent Application No. 10/020,506, a related application to U.S. Patent Application No. 10/020,506, letters patent issuing from these applications or any other right assigned by the assignment of January 7, 2002;
- sign all lawful papers, execute all divisional, continuation, substitute and reissue applications;
- make all rightful oaths; and
- generally do everything possible to aid the Assignee to obtain and enforce proper patent protection for the inventions disclosed in U.S. Patent Application No. 08/654,916 and all related applications, including U.S. Patent Application No. 10/020,506 and related applications to U.S. Patent Application No. 10/020,506.

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4. Authorization to issue patents in name of Assignee

The Assignor authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications, to issue any patent arising from the assigned rights and/or applications to the Assignee.

| IN TESTIMONY | WHEREOF, I hereunto set my hand this _ | 24 day of _ | May | 20 <u>05</u> . |
|--------------|--|--------------------|-------------|----------------|
| | MA | NSUKHLAJ | L MANGROLIA | |



STATE OF (

On 5-14-07, before me 5704-7 Motary Public, personally appeared personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

SRIAM A MC KENZE
Conventation # 1557626
Notice - Coffornia
Orange Courty
My Convent Expline Date 35, 2008

Signature of Notary

ASSIGNMENT Docket No. 47490/RAG/S968

IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of May , 20

BHARAT M. MANGROLIA

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On 5-14-05, before me STOAT MCRACIO, Notary Public, personally appeared Black Market M

SRIART A. IAC RESIZE
Commission # 1857626
Motory Public - Collorato
Cronga County
My Corren, Equipm Dec 23, 2008

WITNESS my hand and official seal.

Signature of Notary

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TRANSFER ,SALE AND ASSIGNMENT OF PATENT RIGHTS

This Transfer and Sale of Patent Rights ("Agreement") is made into on this 7th day of January, 2002, by and hetween, Mansukhlal Mangrolia, An Individual ("Transferor") and Bharat M. Mangrolia ("Transferee").

WITNESSTH:

WHEREAS, On or about December 27, 2001, Transferor acquired from Applied Material Technologies, Inc., ("AMT") certain right, title and interest in the patent rights for application having serial number 08/654,916 which AMII had applied for under Docket No. 9396-ID33USO ("Patent Rights");

WHEREAS, Transferor wishes and desires to transfer, sell and convey all his right, title and interest in the Patent Rights to Transferce, son of the Transferor, to provide him with the opportunity to further develop the technology of the Patent Rights, and Transferor wishes and desires to purchase and obtain the Patent Rights from Transferor, father of Transferce, to develop the technology of the Patent Rights;

NOW, THEREFORE, for and in consideration of the mutual covenants and agreements hereinafter entered into, it is agreed as follows:

- FOR VALUE RECEIVED, in the sum of two hundred and twenty-five thousand Dollars (\$225,000.00), 1. which being the assumption of two hundred thousand Dollars obligation due to AMT by Transferor and twenty-five thousand dollars (\$25,000.00) being the value of a gift from Transferor (Father) to Transferor (Son), the Transferor, hereby sells, transfers and assigns unto Transferce, an individual, and his successors, assigns, and personal representatives, all right, title and interest in and to the Patent Rights pursuant to that centain Agreement entitled, ASSIGNMENT OF RIGHTS and the FIRST AMENDMENT TO ASSIGNMENT AGREEMENT, and the ASSIGNMENT OF RIGHTS DATED DECEMBER 27, 2001, 2 copy of each, which is attached hereto as Exhibit "A" and made apart herenf.
- This Assignment shall be binding upon and inure to the benefit of the parties, their successors, assigns and 2. personal representatives.

Assignee Assignor Bharat M. Mangrolia

STATE OF CALIFORNIA

Executed this 7th day of January 2002

COUNTY OF 22-03-, personally appeared, , 2002, before me, 🤰 A cuttor of A control of the control suidence in the me person(s) whose connects are subscribed to the within instrument and anknowledged to me that they executed the same in their authorized case (183), and that by their signatures on the instrument the passents), or the satify(ie) upon behalf of which the persons) acted and executed the instrument.

WITNESS my hand and official scal.

RECORDED: 06/14/2005

(SEAL)

RICHARD A. SALSBERG COMM. #1219466 iotary Public-Californi ORANGE COUNTY fy Comer. Exp. May 14, 2003.

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