

05-18-2005

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



Docket No.: H0007967-3136

103004768

Express Label: EV598087047US

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Thirumalai G. Palanisamy
Chien-Wei Li

Execution Date(s) 04/28/05; 05/08/05

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: HONEYWELL INTERNATIONAL, INC.

Internal Address: Law Dept. AB2

Street Address: P.O. Box 2245

City: Morristown

State: NJ

Country: USA Zip: 07962-9806

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

05/16/2005 DTESSEM1 00000043 11127524

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Robert Desmond, Esq.

Internal Address: Honeywell International, Inc.

Law Dept. AB2

Street Address: P.O. Box 2245

City: Morristown

State: NJ Zip: 07962-9806

Phone Number: (602) 365-2588

Fax Number: (602) 365-2490

Email Address: robert.desmond@honeywell.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

May 10, 2005
Date

David K. Benson

Name of Person Signing

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

5

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 016563 FRAME: 0501

IF&L Form - Assignment

United States Patent Application
Attorney Docket No.: H0007967-3136
First Named Inventor: Thirumalai G. Palanisamy

ASSIGNMENT

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

TERNARY CARBIDE AND NITRIDE COMPOSITES HAVING TRIBOLOGICAL APPLICATIONS AND METHODS OF MAKING SAME

for which application for Letters Patent of the United States:

- ☒ has been executed on even date herewith;
☐ executed on _____;
☐ was filed on _____ and assigned U.S. Application Serial No. _____;

AND WHEREAS, Honeywell International, a corporation with offices at 3660 Technology Drive, Minneapolis, MN 55418;

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

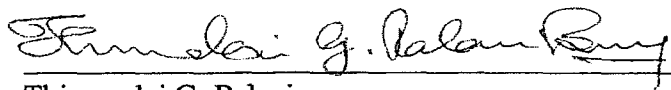
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEES, their successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEES, for the sole use and benefit of ASSIGNEES, its successors, assigns and legal representatives,

AND ASSIGNOR HEREBY AGREES to transfer, upon request of ASSIGNEES, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEES, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

IF&L Form - Assignment

ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEES, and without further remuneration, to execute any and all papers desired by ASSIGNEES for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEES.

EXECUTED as of the date(s) written below by ASSIGNOR:


Thirumalai G. Palanisamy

Date: 4/28/2005

Chien-Wei Li

Date: _____

IF&L Form - Assignment

United States Patent Application
Attorney Docket No.: H0007967-3136
First Named Inventor: Thirumalai G. Palanisamy

ASSIGNMENT

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TERNARY CARBIDE AND NITRIDE COMPOSITES HAVING TRIBOLOGICAL APPLICATIONS AND METHODS OF MAKING SAME

for which application for Letters Patent of the United States:

- ☒ has been executed on even date herewith;
☐ executed on _____;
☐ was filed on _____ and assigned U.S. Application Serial No. _____;

AND WHEREAS, Honeywell International, a corporation with offices at 3660 Technology Drive, Minneapolis, MN 55418;

AND WHEREAS, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEES, their successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEES, for the sole use and benefit of ASSIGNEES, its successors, assigns and legal representatives,

AND ASSIGNOR HEREBY AGREES to transfer, upon request of ASSIGNEES, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEES, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

IF&L Form - Assignment

ASSIGNOR AGREEING, FURTHERMORE, upon request of ASSIGNEES, and without further remuneration, to execute any and all papers desired by ASSIGNEES for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEES.

EXECUTED as of the date(s) written below by ASSIGNOR:

Thirumalai G. Palanisamy

Date: _____

Chien-Wei Li
Chien-Wei Li

Date: 5-8-05