

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Janine K. Kardokus | 05/27/2008 |
| Michael Pinter | 05/27/2008 |
| Michael Payton | 06/03/2008 |
| Steven ChiTse Wu | 06/06/2008 |
| Jared Akins | 05/28/2008 |
| Werner Hort | 06/19/2008 |
| RECEIVING PARTY DATA | |
| Name: | Honeywell International Inc. |
| Street Address: | 101 Columbia Road |
| City: | Morristown |
| State/Country: | NEW JERSEY |
| Postal Code: | 07962 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12109816 |
| CORRESPONDENCE DATA | |
| Fax Number: | (949)720-0182 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 949-224-6282 |
| Email: | patent@buchalter.com |
| Correspondent Name: | Sandra P. Thompson |
| Address Line 1: | 18400 Von Karman Avenue, Suite 800 |
| Address Line 4: | Irvine, CALIFORNIA 92612-0514 |
| ATTORNEY DOCKET NUMBER: | H9945-2505 |
| NAME OF SUBMITTER: | Sandra P. Thompson |

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PATENT
REEL: 021364 FRAME: 0535

Total Attachments: 8

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PATENT

REEL: 021364 FRAME: 0536

ASSIGNMENT

Assignment before issue of Letters Patent

HW File H0015509 USA -4015

WHEREAS, Janine K. KARDOKUS, Michael PINTER, Michael PAYTON, Steven (Chi Tse) WU, Jared AKINS, and Werner HORT

(hereinafter "Assignors") have invented certain new and useful improvements in

Novel Manufacturing Design and Processing Methods and Apparatus for Sputtering Targets

(hereinafter "invention") for which Assignors have made application for LETTERS PATENT OF

THE UNITED STATES, which application, assigned serial number 12/109,816 has been duly executed by Assignors on April 25, 2008 the day(s) and date(s) of these presents.

AND WHEREAS, Honeywell International Inc., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignors have assigned, sold and transferred, and do hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignors by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made. And Assignors do hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignors further covenant and agree with the Assignee that Assignors have a full and unencumbered title to the invention hereby assigned, which title Assignors warrant unto the Assignee, and Assignors further agree that Assignors will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of May, 2008

Janine K. KARDOKUS

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27th day of MAY, 2008

Michael PINTER

IN TESTIMONY WHEREOF, I have hereunto set my hand this 03 day of JUNE, 2008

Michael PAYTON

PATENT

REEL: 021364 FRAME: 0537

ASSIGNMENT

Assignment before issue of Letters Patent

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Steven (Chi Tse) WU

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of May, 2008

Jared AKINS

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Werner HORT

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

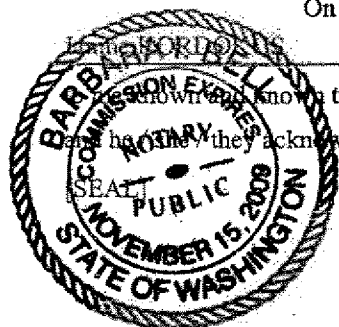
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

PATENT

REEL: 021364 FRAME: 0538

STATE OF Washington)
COUNTY OF Spokane) ss.:

On this 27th day of May, 2008 before me personally appeared



I am known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

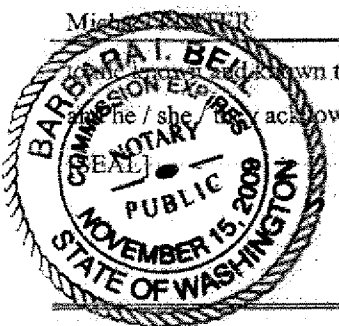
Barbara I. Bell

Notary Public

My commission expires: Nov. 15, 2009

STATE OF Washington)
COUNTY OF Spokane) ss.:

On this 27th day of May, 2008 before me personally appeared



I am known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

Barbara I. Bell

Notary Public

My commission expires: Nov. 15, 2009

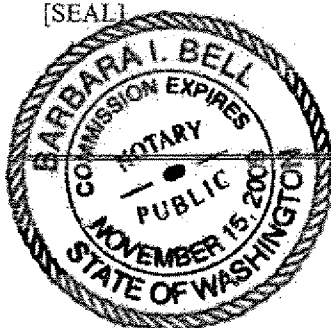
STATE OF Washington)
COUNTY OF Spokane) ss.:

On this 3rd day of June, 2008 before me personally appeared

Michael PAYTON

to me known and known to me to be the individual described in and who executed the foregoing instrument,
and he / she / they acknowledged to me that he / she / they executed the same.

[SEAL]



Barbara I. Bell

Notary Public

My commission expires: Nov. 15, 2009

ASSIGNMENT

Assignment before issue of Letters Patent

HW File H0015509 USA -4015

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NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignors have assigned, sold and transferred, and do hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignors by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made. And Assignors do hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Janine K. KARDOKUS _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Michael PINTER _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Michael PAYTON _____

PATENT

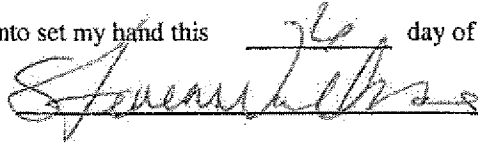
REEL: 021364 FRAME: 0540

ASSIGNMENT

Assignment before issue of Letters Patent

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of June, 2008

Steven (Chi Tse) WU



IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Jared AKINS

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Werner HORT

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

PATENT

REEL: 021364 FRAME: 0541

ASSIGNMENT

Assignment before issue of Letters Patent

HW File H0015509 USA -4015

WHEREAS, Janine K. KARDOKUS, Michael PINTER, Michael PAYTON, Steven (Chi Tse) WU, Jared AKINS, and Werner HORT

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IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Janine K. KARDOKUS _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Michael PINTER _____

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Michael PAYTON _____

PATENT

REEL: 021364 FRAME: 0542

ASSIGNMENT

Assignment before issue of Letters Patent

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Steven (Chi Tse) WU

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

Jared AKINS

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19th day of June, 2008

Werner HORT

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008

PATENT

RECORDED: 08/08/2008

REEL: 021364 FRAME: 0543