

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiroto UCHIDA</td> <td>09/03/2010</td> </tr> <tr> <td>Yuko TAGUCHI</td> <td>09/03/2010</td> </tr> <tr> <td>Masashi UEDA</td> <td>09/03/2010</td> </tr> <tr> <td>Michihiro TAKAYAMA</td> <td>11/10/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hiroto UCHIDA	09/03/2010	Yuko TAGUCHI	09/03/2010	Masashi UEDA	09/03/2010	Michihiro TAKAYAMA	11/10/2010
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RECEIVING PARTY DATA											
Name:	Ulvac, Inc.										
Street Address:	2500 Hagisono										
Internal Address:	Chigasaki-shi										
City:	Kanagawa										
State/Country:	JAPAN										
Postal Code:	2538543										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12992125</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12992125						
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CORRESPONDENCE DATA											
Fax Number:	(248)641-0270										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	15491-000023/US/NP										
NAME OF SUBMITTER:	Robert M. Siminski										

CH \$40.00 12992125

Total Attachments: 2

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ASSIGNMENT

Atty. Docket No. _____

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

THIN-FILM SOLAR BATTERY MODULE MANUFACTURING METHOD AND THIN-FILM SOLAR BATTERY MODULE

for which Assignor is about to make or has made United States or International application for patent

- (a) executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) executed on _____, _____, _____; or
- (c) filed on May 12, 2009, and assigned Serial No. _____ or PCT International Application No. PCT/JP2009/058854; and

WHEREAS, ULVAC, Inc. having a place of business at 2500 Hagisono, Chigasaki-shi, Kanagawa, 2538543 Japan, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

ASSIGNMENT

Hiroto Uchida
 Hiroto UCHIDA
09/03/2010
 Dated

 Witness

 Witness

Yuko Taguchi
 Yuko TAGUCHI
09.03.2010
 Dated

 Witness

 Witness

Masashi Ueda
 Masashi UEDA
09.03.2010
 Dated

 Witness

 Witness

Michihiro Takayama
 Michihiro TAKAYAMA
11.10.2010
 Dated

 Witness

 Witness