06/13/2014 502850317

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| KAZUMORI SONODA | 05/22/2014 |
| SYUNICHI OSADA | 05/30/2014 |
| TAKASHI MIMURA | 05/21/2014 |
| YOSHIHIRO MASUDA | 05/22/2014 |
| NORIFUMI MIWA | 05/21/2014 |
| TAKAYOSHI KIRIMOTO | 05/23/2014 |
| IPPEI OZEKI | 05/23/2014 |

RECEIVING PARTY DATA

| Name: | TORAY INDUSTRIES, INC. |
|-----------------|--|
| Street Address: | 1-1, NIHONBASHI-MUROMACHI 2-CHOME, CHUO-KU |
| City: | TOKYO |
| State/Country: | JAPAN |
| Postal Code: | 103-8666 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14358768 |

CORRESPONDENCE DATA

Fax Number: (215)656-2498

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | TIP-14-1393 |
|-------------------------|--------------|
| NAME OF SUBMITTER: | CINDY STEVES |
| SIGNATURE: | /cs/ |
| DATE SIGNED: | 06/13/2014 |

PAIENI REEL: 033094 FRAME: 0927 502850317

| | This document serves as an Oath/Declaration (37 CFR 1.63). |
|-----------------------------|--|
| Total Attachments: 2 | |
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| source=assignment#page2.tif | |

PATENT REEL: 033094 FRAME: 0928

TIP-14-1393

COMBINED DECLARATION/ASSIGNMENT

WHEREAS, we

Kazumori Sonoda of Otsu, Japan Syunichi Osada of Otsu, Japan Takashi Mimura of Otsu, Japan Yoshihiro Masuda of Otsu, Japan Norifumi Miwa of Otsu, Japan Takayoshi Kirimoto of Fukushima, Japan Ippei Ozeki of Fukushima, Japan

(hereinafter referred to as "the undersigned"), have made an invention entitled LAMINATED FILM, identified in International Application No. PCT/JP2012/082509, and US Application No. 14/358,768 , (DLA Piper is authorized to insert the Serial No. when known),

the above-identified application was made or authorized to be made by the persons executing this Declaration;

we believe that we are the original joint inventors of a claimed invention in the application;

we hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, Toray Industries, Inc., with offices at 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8666 Japan (hereinaster referred to as "assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name EASTV74827451.1

PATENT REEL: 033094 FRAME: 0929 of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the dates set forth below.

| May. 22. 2014 |
|-----------------------|
| Date |
| May. 30. 2014 Date |
| May, 2/, 2014 Date |
| Date O |
| May, 22, 2014 |
| Date |
| May, 2/, 20/4 Date |
| Date ' |
| May 23,2014 Date |
| Date (/ |

May . 23 2014

Kazumori Sonoda
Kazumori Sonoda

Syunichi Osada

Syunichi Osada

Takashi Mimura

Yoshihiro Masuda

Yoshihiro Masuda

Yoshihiro Masuda

Moyifumi Miwa

Takayoshi Kirimoto

Takayoshi Kirimoto

Ukkei Ozeki

Innei Ozeki

EAST\74827451.1

RECORDED: 06/13/2014

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