

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3981457

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOPPAN PRINTING CO., LTD.	07/25/2016
RECEIVING PARTY DATA	
Name:	DSM IP ASSETS B.V.
Street Address:	HET OVERLOON 1
City:	HEERLEN
State/Country:	NETHERLANDS
Postal Code:	6411 TE
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	13896853
Application Number:	14098020
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SIGNATURE:	/Bryan H. Davidson/
DATE SIGNED:	07/27/2016
Total Attachments: 1	
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ASSIGNMENT

WHEREAS, **TOPPAN PRINTING CO., LTD.**, (hereinafter ASSIGNOR), a corporation doing business at 5-1, Taito 1-Chome, Taito-Ku, Tokyo 110-0016, Japan and having been assigned all right, title and interest in and to the Patent Applications in the United States identified below (hereinafter collectively referenced as "the Patent Applications"):

USSN	TITLE
13/896,853	METHOD OF MANUFACTURING A CIRCUIT BOARD BY PUNCHING
14/098,020	METAL FOIL PATTERN LAYERED BODY, METAL FOIL LAYERED BODY, METAL FOIL MULTI-LAYER SUBSTRATE, SOLAR CELL MODULE, AND METHOD OF MANUFACTURING METAL FOIL PATTERN LAYERED

WHEREAS, ASSIGNOR hereby confirms that ASSIGNOR has the full right to convey all rights, as herein expressed, to the said Patent Applications and the inventions described therein;

AND WHEREAS, **DSM IP ASSETS B.V.** (hereinafter ASSIGNEE), a corporation doing business at Het Overloon 1, Heerlen, The Netherlands, 6411 TE is desirous of acquiring all interest therein.

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right in the United States and all foreign countries to the Patent Applications and the inventions described therein, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patents to ASSIGNEE based on the Patent Applications, for its interest as ASSIGNEE, its successors, assigns, and legal representatives.

And, ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the Patent Applications and the inventions described therein which are hereby transferred and for maintaining any resulting patent concerning said inventions.

The undersigned is authorized to execute this ASSIGNMENT on behalf of ASSIGNOR.

Executed this 25th day of July, 2016.

TOPPAN PRINTING CO., LTD.

[SEAL]

By: Tsuneki Haginara

Typed Name: TSUNEAKI HAGINARA

Title: General Manager of Legal Department