# 504080627 11/03/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SATOSHI HIRANO	09/07/2016
JUN FUTAKUCHIYA	09/06/2016
YASUAKI ISHIOKA	09/07/2016
NAOKI ITO	09/07/2016
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## **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	15308717	

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	1451345.632US9	
NAME OF SUBMITTER:	JAMES E. ARMSTRONG, IV	
SIGNATURE:	/James E. Armstrong, IV/	
DATE SIGNED:	11/03/2016	

**Total Attachments: 1** 

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PATENT REEL: 040214 FRAME: 0607

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# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))	r (\$1.00), and of other good and valuable	consideration paid to the undersigned			
NHK SPRING CO., LTD.	min ( ) and (				
3-10, Fukuura; Kanazawa-ku, Yokohama-shi, Kanagawa 236-0004 Japan					
(heroinafter, "ASSIGNEE"), the receipt of which is he ASSIGNEE the entire and exclusive right, little and interfitte of Invention)	reby acknowledged, the undersigned ASSIG crest to the invention entitled	NOR hereby sells, assigns and transfers to			
METHOD OF MANUFACTURING LAN	MINATE AND LAMINATE				
relating to International Patent Application PCT/JP2: executed on eyen date herewith or, if not so executed, s	015/065686 and/or for which application was:	for Letters Patent of the United States was			
(a) executed on	; (Insert date of execution of app	lication, if not concurrent)			
(b) filed on Serial No /	Assignee's attorney is herel	by authorized to insert in (b) the specified			
and to said application and all Letters Patent(s) of the Usubstitute, reissue or reexamination application based the including any extensions thereof (collectively, hereinall.  The ASSIGNOR agree(s), when requested by said A which the ASSIGNEE may deem necessary, desirable of including in the preparation and proscention of said appreciant and including in the proparation and proscention, and in any litting acts to include but not be limited to executing all papers swom testimony, and obtaining and producing ovidence	neron, for the full tenu or terms for which the her, "said application(s) and Letters Patent(s) ASSIGNBE and without charge to but at the cor expedient, for securing, maintaining and epilication(s) and the issuance of said Letters Patent or other legal proceeding which may are, including separate assignments and declara, including separate assignments and declara.	said Letters Patent(s) may be granted and ").  expense of said ASSIGNEE, to do all acts afforcing protection for said invention, attent(s), in any interference, refisance, is or the declared in relation to same, such			
IN WITNESS WHEREOF, the undersigned inventor	r(\$) has (havo) affixed his/ker/their signature	<b>(3</b> ).			
1) THE TELES	Satoshi HIRANO (7) ye Name)	Sep. 7. 2016 (Date) Sep. 6, 2016 (Date)			
2) (Signature) +	Jun FUTAKUCHIYA	Sep. 6, 2016			
3) 石阁 泰明 (Signature)	Yasuaki ISHIOKA (Type Name)	Sep. 7. 2016			
4) / F 族 直养 (Signature)	Naoki ITO (Type Name)	Sep. 7. 2016			
5) #丹 詳干 (Signoture)	Yohei ITAMI (Type Name)	(Date) ————————————————————————————————————			
6) (Signature)	(Type Name)	(Date)			

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