504653852 11/21/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15576034	

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NAME OF SUBMITTER: BENJAMIN J. HAUPTMAN

SIGNATURE: /Benjamin J. Hauptman/

DATE SIGNED: 11/21/2017

Total Attachments: 1

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PATENT REEL: 044195 FRAME: 0902

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))

() () () () ()					
MITSUBISHI HEAVY INDUSTR	RIES, LTI	D .			
16-5, Konan 2-chome, Minato-ku	ı, Tokyo	108-8215 Japan			
				-	
(hereinafter, "ASSIGNEE"), the receipt of which is ASSIGNEE the entire and exclusive right, title and (Title of Invention)			OR hereby sells	s, assigns	and transfers to
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relating to International Patent Application PCT/JF executed on even date herewith or, if not so execute		8 and/or for which application for	Letters Patent o	f the Unit	ted States was
(a) executed on	;	(Insert date of execution of applic	ation, if not con	icurrent)	
(b) filed on;	•	Assignee's attorney is hereby data, when known.	authorized to in	ssert in (b) the specified
and to said application and all Letters Patent(s) of th substitute, reissue or reexamination application base including any extensions thereof (collectively, hereithe ASSIGNOR agree(s), when requested by sai which the ASSIGNEE may deem necessary, desirabincluding in the preparation and prosecution of said reexamination, or public use proceeding, and in any lacts to include but not be limited to executing all paysworn testimony, and obtaining and producing evide	d thereon, for nafter, "said : id ASSIGNE: ble or expedie application(s litigation or o pers, includir	r the full term or terms for which the application(s) and Letters Patent(s)". E and without charge to but at the exent, for securing, maintaining and ens) and the issuance of said Letters Pather legal proceeding which may arise	said Letters Pate). spense of said A forcing protecti- tent(s), in any in- se or be declared	ent(s) may ASSIGNE on for sai nterference d in relatio	y be granted an E, to do all act d invention, ce, reissue, on to same, suc
IN WITNESS WHEREOF, the undersigned inve	ntor(s) has (b	nave) affixed his/her/their signature(s).		
1) Eisuke hoda		Eisuke NODA	Nov.	17,	2017
(Signature) 2) Satotu Hewada		<i>(Type Name)</i> Satoshi HANADA	Nov.	(Date) 17,	2017
(Signature) 3) Justike Jamada (Signature) 4) Miguki Kasamaten		(Type Name) Yusuke YAMADA	Nov.	(Date)	2017
(Signature) 4) Miyuki Kasamaten	j	(Type Name) Mizuki KASAMATSU	Nov.	(Date)	2017
(Signature)		(Type Name)		(Date)	
5) (Signature)		(Туре Name)		(Date)	

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RECORDED: 11/21/2017