505074549 08/31/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5121305

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
YASUHIRO YAMAGUCHI	07/13/2018	
KENTA NAKAO	07/13/2018	
HIROYUKI NAKAYAMA	07/13/2018	

RECEIVING PARTY DATA

Name:	MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS, LTD.
Street Address:	1-1, WADASAKI-CHO 1-CHOME, HYOGO-KU, KOBE-SHI
City:	HYOGO
State/Country:	JAPAN
Postal Code:	652-8585

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15998638	

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NAME OF SUBMITTER:	BENJAMIN J. HAUPTMAN
SIGNATURE:	/Benjamin J. Hauptman/
DATE SIGNED:	08/31/2018

Total Attachments: 1

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PATENT 505074549 REEL: 046769 FRAME: 0089

OSP-76039 = 意(1/1)

Docket No.:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

1) Yasuhiro YAMAGUCHI

2) Kenta NAKAO

Hiroyuki NAKAYAMA

who has made a certain new and useful invention, hereby sells, assigns and transfers unto MITSUBISHI HEAVY INDUSTRIES MACHINERY SYSTEMS, LTD. having a place of business at 1-1, Wadasaki-cho 1-chome, Hyogo-ku, Kobe-shi, Hyogo 652-8585 Japan, its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled:

TOLE COLLECTION SYSTEM AND SOUNDNESS DETERMINATION METHOD

(a)	for which an application for United States Letters Patent was United States Patent Application No;		on		-	, an	d identified by
(b)	for which an application for United States Letters Patent was exe	ecuted o	n		,		
all Unit continua Property	undersigned hereby authorizes and requests the United States Coed States Letters Patent which may be granted therefore and any ations-in-part thereof, and the right to all benefits under the Ir y to the said ASSIGNEE, for its interest as ASSIGNEE, its succeedant the attorneys of record in said application shall hereafter act or	and all aternations ssors, a	extensional Consideration	ons, d vention d leg	ivisions, re on for the al represer	eissues, co Protectio	ontinuations, or on of Industrial
ASSIGI applicat ASSIGI	AND the undersigned hereby agrees to transfer a like inter- tion for and obtaining original, divisional, reissued or extended Le- NEE, its successors, assigns and legal representatives, and without ions for patent based thereon, growing out of or related to the NEE, its successors, assigns and legal representatives, deemed es- ention hereby transferred.	tters Pa t furthe said in	tent of the remune vention;	e Uni ration and	ited States, i, in and to to execute	upon req any imp any pap	uest of the said rovements, and ers by the said
SIGNE	D on the date indicated aside my signature:						
	yasuhiro Yamazachi : Yasuhiro YAMAGUCHI	Date	July	13,	2018		
2)	Renta Nakao Kenta NAKAO	Det	July	13,	2018		
ranie	. Notica IVALVAO	Date					
3) _ 1/8	lizoyuki Nakayennor : Hiroyuki NAKAYAMA	(July	13,	2018		
Name	: Hiroyuki NAKAYAMA	Date					

PATENT REEL: 046769 FRAME: 0090

RECORDED: 08/31/2018