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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAIKI SUGAWARA	07/02/2018
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RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16069560	

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ATTORNEY DOCKET NUMBER:	1451345.721US9	
NAME OF SUBMITTER:	JAMES E. ARMSTRONG, IV	
SIGNATURE:	/James E. Armstrong, IV/	
DATE SIGNED:	07/12/2018	

Total Attachments: 1

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PATENT REEL: 046329 FRAME: 0194 505000117

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Doll Inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))	ar (\$1.00), and of other good and valuable	consideration paid to the undersigned		
KOMATSU LTD.				
2-3-6, Akasaka, Minato-ku, Tokyo 107-84	114 Japan			
(hereinafter, "ASSIGNEE"), the receipt of which is ASSIGNEE the entire and exclusive right, title and in (Title of Invention)	hereby acknowledged, the undersigned ASSIGN nterest to the invention entitled	OR hereby sells, assigns and transfers to		
POSITION MEASUREMI	ENT SYSTEM, WORK MACHINE,	AND POSITION		
MEASUREMENT METHO	OD .			
relating to International Patent Application $\underline{PCT/JP}$ executed on even date herewith or, if not so executed	2 <u>018/004257</u> and/or for which application for the properties of the	or Letters Patent of the United States was		
(a) executed on	: (Insert date of execution of appli	ication, if not concurrent)		
(b) filed on				
Serial No /	Assignee's attorney is hereby data, when known.	v authorized to insert in (b) the specified		
and to said application and all Letters Patent(s) of the substitute, reissue or reexamination application based including any extensions thereof (collectively, herein	thereon, for the full term or terms for which the	said Letters Patent(s) may be granted and		
The ASSIGNOR agree(s), when requested by said which the ASSIGNEE may deem necessary, desirable including in the preparation and prosecution of said a reexamination, or public use proceeding, and in any life acts to include but not be limited to executing all papes sworn testimony, and obtaining and producing evident	e or expedient, for securing, maintaining and en pplication(s) and the issuance of said Letters Pa pligation or other legal proceeding which may aris ers, including separate assignments and declarat	forcing protection for said invention, tent(s), in any interference, reissue, se or be declared in relation to same such		
IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).				
1) Touti Sugavora	Taiki SUGAWARA	Jul. 2, 2018 (Date)		
Hand (Signature)				
2) Hurnyosh Jamaguchi (Signature)	Hiroyoshi YAMAGUCHI (Type Name)	Jul. 2, 2018 (Date)		
3) 5/480 ATSWAT		,- ·,		
(Signature)	Shogo ATSUMI (Type Name)	<u>Jul. 2, 2018</u> (Date)		
4) Vara tonensis	Yasuo KANEMITSU			
(Signature)	(Type Name)	Jul. 2, 2018 (Date)		