501982980 07/10/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Soji KAMIYA	06/22/2012
Tasuku SAKURAI	06/28/2012

RECEIVING PARTY DATA

Name:	TAIHO KOGYO Co., Ltd.
Street Address:	65, Midorigaoka 3-chome
City:	Toyota-shi, Aichi
State/Country:	JAPAN
Postal Code:	471-8502

Name:	HONDA MOTOR CO., LTD.
Street Address:	1-1, Minami Aoyama 2-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	107-8556

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13510175

CORRESPONDENCE DATA

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PATENT

REEL: 028520 FRAME: 0720

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ATTORNEY DOCKET NUMBER:	1823-0150PUS1
NAME OF SUBMITTER:	MARC S. WEINER
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PATENT REEL: 028520 FRAME: 0721

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ASSIGNMENT

	Application No.	13/510,175		Filed _	May 16, 2012	
Insert Name(s) of Inventor(s)	WHEREAS,	***(Given Name Soji/KAMIYA	e FAMILY NAME (ALL CAPS))*** residing at c/o TAIHO KOGYO Co., Lto	i., 65, Mid	lorigaoka 3-chome,	
	Toyota-shi, Aichi	471-8502 Japan an	d Tasuku/SAKURAI residing at c/o HONDA	R&D (CO., LTD., 4-1,	
	Chuo 1-chome, W	ako-shi, Saitama 35	1-0193 Јарап			
	(hereinafter desi	ignated as the unde	ersigned) has (have) invented certain nev	v and usef	ul improvements in	
Insert Title	SLIDING MEM	BER (PCT/JP201	1/055274)			
of Invention						
	for which an ap undersigned (exc	pplication for Lette cept in the case of a	ors Patent of the United States of Ameri provisional application).	ica has be	en executed by the	
Insert Date of Signing of Application	on June 22	2, 2012 _{(F}	KAMIYA); on June 28, 2012	(SAKUR	(AI) ;	ano
Insert Name of Assignee	WHEREAS, (1) <u>T</u>	AIHO KOGYO Co	., Lid. and (2) HONDA MOTOR CO., LT	<u>D.</u>		
Insert Address of Assignee	(1) 65, Midorigao	ka 3-chome, Toyot Noyama 2-chome, I	a-shi, Aichi 471-8502 Japan Minato-ku, Tokyo 107-8556 Japan			
C HECK BOX F APPROPRIATE	acquiring the ent	ire right, title and i nerefor in the Unite	ntives and assigns (hereinafter designated a nterest in and to said invention and in an d States of America and	as the Assi d to any L	gnee) is desirous of etters Patent(s) that	
	the receipt of wh has (have) sold, Assignee the full dependencies and which may be gra	ich is hereby acknown assigned and trans and exclusive right possessions and the anted therefor in the	on of the sum of Ten Dollars (\$10.00) to owledged, and other good and valuable conferred, and by these presents does sell, at to the said invention in the United State entire right, title and interest in and to be United States of America, its territories, an any and all foreign countries;	onsideration assign and tes of Am	on, the undersigned I transfer unto said erica, its territories, all Letters Patent(s)	
		l divisions, reissues he same may be gra	s, continuations, conversions and extension and extension and extension are discussed in the continuations.	ns thereof	for the full term or	

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The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _	June 22,	2012,	Name of Inventor Soft Cannya	
Date _	June 28,	2012,	(signature) Soji/KAMIYA Name of Inventor January Sakurai	
Date _			(signature) Tasuku/SAKURAI Name of Inventor	
Date _		,	Name of Inventor	

PATENT REEL: 028520 FRAME: 0723

RECORDED: 07/10/2012