

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MABUCHI MOTOR CO., LTD.	04/01/2014
<b>RECEIVING PARTY DATA</b>		
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<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Patent Number:	6638334
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<b>ATTORNEY DOCKET NUMBER:</b>	TAN-201	
<b>NAME OF SUBMITTER:</b>	RICHARD S. ROBERTS	
<b>SIGNATURE:</b>	/RICHARD S. ROBERTS/	
<b>DATE SIGNED:</b>	04/14/2014	
<b>Total Attachments: 2</b>		
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ASSIGNMENT

WHEREAS MABUCHI MOTOR CO., LTD., a corporation of Japan, having an office at 430 MATSUHIDAI, MATSUDO-SHI, CHIBA, 270-2280, JAPAN, (ASSIGNOR) is a joint owner together with TANAKA KIKINZOKU KOGYO K.K., a corporation of Japan, having an office at 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-6422, Japan, of the entire undivided right, title and interest in and to certain new and useful improvements (INVENTION) entitled:

**SLIDING CONTACT MATERIAL COMPRISING AG-NI BASED ALLOY HAVING  
NI METAL PARTICLES DISPERSED AND CLAD COMPOSITE MATERIAL, AND  
DC COMPACT MOTOR USING THE SAME**

as disclosed, shown, and described in an APPLICATION for Letters Patent of the United States which was filed as PCT International Application serial number PCT/JP01/06218 filed July 18, 2001 and U.S. serial number 10/088,082 on July 1, 2002, now U.S. Patent 6,638,334 which issued October 28, 2003 (PATENT);

said U.S. Patent 6,638,334 and said INVENTION having been jointly assigned to ASSIGNOR and TANAKA KIKINZOKU KOGYO K.K. by an assignment from the inventors KEIJI NAKAMURA; TAKEMASA HONMA; YASUHIRO HASHIMOTO; OSAMU SAKAGUCHI; KENGO TANEICHI and TOSHIYA YAMAMOTO; executed by them on March 26, 2002 and February 28, 2002; said assignment being recorded in the records of the U.S. Patent and Trademark Office at Reel 013122, Frame 0784 on July 3, 2002; and

WHEREAS, TANAKA KIKINZOKU KOGYO K.K., (ASSIGNEE) is desirous of acquiring the ASSIGNOR'S entire undivided right, title and interest in and to the INVENTION, U.S. Patent 6,638,334, and in and to any Letters Patent of the United States which may be granted embracing the INVENTION.

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and for other good and valuable consideration, receipt of which is hereby acknowledged, the UNDERSIGNED ASSIGNOR by these presents, sells, assigns, and transfers unto ASSIGNEE, its legal representatives, successors, and assigns, the ASSIGNOR'S joint entire undivided right, title and interest for the United States, in and to the INVENTION, and in and to the said U.S. Patent 6,638,334, and in and to any applications for Letters Patent which may have been or may be filed on said INVENTION, and in and to any and all priority rights generated by the filing of said APPLICATION in the United States, which may be granted covering the INVENTION, including any continuations, continuations-in-part, substitutions, divisions, reissues or renewals thereof, said U.S. Patent 6,638,334 to be held and enjoyed by ASSIGNEE for its interests, for its own use and behoof, and for its legal representatives, successors, and assigns, to the full end of the term for which said U.S. Patent 6,638,334 has been granted as fully and entirely as the same would have been held by UNDERSIGNED ASSIGNOR had this assignment and sale not been made.

I covenant and agree that I will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain and maintain said U.S. Patent 6,638,334 and any other Letters Patent of the United States on said invention, (b) establish, maintain and secure title in said ASSIGNEE, its

successors and assigns, to said INVENTION, APPLICATION, U.S. Patent 6,638,334 and any other Letters Patent of the United States on said invention, including making such title of lawful public record, and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

I hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent based on said INVENTION, and all said divisions, continuations, continuations-in-part, reissues, renewals and extensions to said ASSIGNEE, its successors and assigns.

I authorize and empower the said ASSIGNEE, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for them, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full and legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of the said ASSIGNEE or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

IN WITNESS WHEREOF this assignment has been executed by the UNDERSIGNED authorized officer of the ASSIGNOR on the date opposite his name.

MABUCHI MOTOR CO., LTD

DATE

Apr. 1. 2014

Hiroo Okoshi

( Hiroo OKOSHI )

President, (TITLE)

WITNESS

Tatsuhiko Segawa  
( Tatsuhiko Segawa )