

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CENTRAL RESEARCH INSTITUTE OF ELECTRIC POWER INDUSTRY	11/20/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NIPPON KATAN CO., LTD.
<b>Street Address:</b>	13-1, ISOSHIMAMINAMI-MACHI
<b>City:</b>	HIRAKATA-SHI, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	573-1020
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7292424
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(269)279-8830
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2692798820
<b>Email:</b>	patentlawyer@frontier.com
<b>Correspondent Name:</b>	LARRY E. HENNEMAN, JR.
<b>Address Line 1:</b>	70 N. MAIN ST.
<b>Address Line 4:</b>	THREE RIVERS, MICHIGAN 49093
<b>ATTORNEY DOCKET NUMBER:</b>	0178-011
<b>NAME OF SUBMITTER:</b>	CHRISTINA A. CONKLIN
<b>SIGNATURE:</b>	/Christina A. Conklin/
<b>DATE SIGNED:</b>	01/23/2015
<b>Total Attachments: 1</b>	
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**ASSIGNMENT**

For good and valuable consideration, Central Research Institute of Electric Power Industry, a Japanese corporation, having a place of business at 6-1, Otemachi 1-Chome, Chiyoda-Ku, Tokyo, Japan 100-8126, has acquired by prior assignment the entire right, title and interest in an invention of Kazuhiko Takasu, Takashi Chino, Osamu Usuda, Toshio Watanabe, Tomoyasu Hasegawa, Kazuhiko Shimoda, Satoru Doi, Takehiko Kikuchi, Katsuyuki Urasawa, Hiroaki Kanatsuji, Yoshihiko Ota, Hiroki Sakamoto, and Ryoji Matsushita entitled:

**Arcing Horn Device**


for which United States Patent Application Serial Number 10/488,926 was filed on January 28, 2005, and for which U.S. Patent No. 7,292,424 issued on November 6, 2007, and has acquired the entire right, title and interest in all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; and has acquired the right to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization.

Now, for good and valuable consideration, receipt of which is hereby acknowledged, and in view of the above premises and effective forthwith, Central Research Institute of Electric Power Industry hereby sells, assigns and transfers to Nippon Katan Co., Ltd., a Japanese corporation, having a place of business at 13-1, Isoshimaminami-Machi,, Hirakata-Shi, Osaka, Japan 573-1020, its successors and assigns, Central Research Institute of Electric Power Industry's entire right, title and interest throughout the world in said invention of Kazuhiko Takasu, Takashi Chino, Osamu Usuda, Toshio Watanabe, Tomoyasu Hasegawa, Kazuhiko Shimoda, Satoru Doi, Takehiko Kikuchi, Katsuyuki Urasawa, Hiroaki Kanatsuji, Yoshihiko Ota, Hiroki Sakamoto, and Ryoji Matsushita entitled:

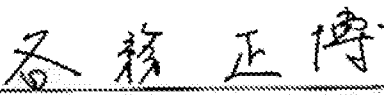
**Arcing Horn Device**

for which United States Patent Application Serial Number 10/488,926 was filed on January 28, 2005, and for which U.S. Patent No. 7,292,424 issued on November 6, 2007, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; authorizes the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization; and agrees to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and requests the Commissioner of Patents and Trademarks to issue all patents granted for said invention to Nippon Katan Co., Ltd., its successors and assigns.

Assignee: Nippon Katan Co., Ltd.

By:  8/1/2015  
 Hiroaki Fujio, President Date

Assignor: Central Research Institute of Electric Power Industry

By:  Nov. 20, 2014  
 Masahiro Kakumu, President Date