

## PATENT ASSIGNMENT COVER SHEET

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<b>CONVEYING PARTY DATA</b>	
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<b>Street Address:</b>	1000 AMAGO, KOURA-CHO
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<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15680410
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<b>DATE SIGNED:</b>	08/18/2017
<b>Total Attachments: 3</b> source=20170816_ExecutedAssignment_P266960US01#page1.tif source=20170816_ExecutedAssignment_P266960US01#page2.tif source=20170816_ExecutedAssignment_P266960US01#page3.tif	

## ASSIGNMENT

(譲渡証)

WHEREAS, we, Takeshi Hirasawa and Masami Ikeda (hereinafter referred to as ASSIGNORS), having addresses of c/o Furukawa Electric Co., Ltd., 2-3 Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan, are joint inventors on a U.S. patent application entitled "BATTERY TEMPERATURE CONTROL DEVICE AND BATTERY TEMPERATURE CONTROL SYSTEM," executed herewith, which is a continuation of PCT Application No. PCT/JP2016/054633 filed on February 18, 2016, which claims priority to Japanese Patent Application No. 2015-029932 filed on February 18 2015, (together, the afore-mentioned applications being the "Applications");

平澤 壮史、池田 匡視（以下、「譲渡人」という）両人は、郵便番号 100-8322 東京都千代田区丸の内二丁目 2 番 3 号 古河電気工業株式会社内に住所を有し、2015 年 2 月 18 日に出願された日本国特許出願番号 2015-029932 に優先権を基づく出願である、2016 年 2 月 18 日に出願された PCT 出願番号 PCT/JP2016/054633 に基づく継続出願である、発明の名称「バッテリー温度調設置及びバッテリー温度調システム」なる米国出願（前述の出願も含めて「当該出願」）の共同発明者である。

Furukawa Electric Co., Ltd., and Furukawa Automotive Systems Inc. (hereinafter referred to as ASSIGNEES), having places of business at 2-3 Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan, and 1000 Amago, Koura-cho, Inukami-gun, Shiga 522-0242, Japan, respectively, are desirous of acquiring the entire right, title and interest in and to the Applications and in and to any patents that may be granted therefor in the United States and in any and all foreign countries;

古河電気工業株式会社 および 古河 AS 株式会社（以下、「譲受人」という）は、郵便番号 100-8322 東京都千代田区丸の内二丁目 2 番 3 号 および 郵便番号 5220242 滋賀県犬上郡甲良町尼子 1 0 0 0 番地にそれぞれの事業所を有し、当該出願及び、米国及び全ての外国にて付与されうる全ての特許に関する全ての権利、権原、及び利益の取得を希望する。

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEES the entire right, title and interest in and to said Applications, and any and all patents which may be granted based on said Applications in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEES and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Applications and all patents based on said Applications to be held and enjoyed by ASSIGNEES and their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner for Patents and Trademarks to issue all patents based on said Applications to ASSIGNEES. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign patents based on the Applications, for litigation regarding the patents, or for the purpose of protecting title to the Applications or patents.

よって、適当かつ価値ある対価の下、その受領をここに確認し、譲渡人はここに、上記当該出願、及び、上記当該出願に基づいて米国、米国の領有地、及び全ての外国において付与されうる全ての特許、及び当該特許に基づく全ての分割、再発行、継続特許、における全ての権利、権原及び利益（含む、譲受人名にて直接外国出願を提出し、当該米国出願に基づき国際協定、条約及びその他の関連する優先権出願を主張する権利）を譲受人に売却、譲渡、及び移転し、譲渡人によってこの売却、譲渡、及び移転がされなかった場合に保有し享受しうると同様に、十分かつ完全に、当該出願及びそれに基づく全ての出願に基づく特許が、譲受人、その承継人及び譲受人によって保有され享受されるものとする。譲渡人は、当該出願に基づく全ての特許が譲受人に対して発行されるよう、特許商標庁長官に権限を認め要請する。譲渡人は、当該出願に基づく米国及び外国特許の出願及び権利化、当該特許に関する訴訟、もしくは当該出願や特許にかかる権原の保護のために必要な全ての証書、文書の署名に同意する。

Signature: Takeshi HirasawaDate: July, 25, 2017

Assignor Name: Takeshi Hirasawa

Witness:

Signature: Masami IkedaDate: July, 25, 2017Witness Name: Masami IkedaSignature: Masami IkedaDate: July, 25, 2017

Assignor Name: Masami Ikeda

Witness:

Signature: Takeshi HirasawaDate: July, 25, 2017Witness Name: Takeshi Hirasawa