

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Shuji Tsubaki	12/20/2006
Kazuto Miyagawa	12/19/2006
Yutaka Ikeda	12/20/2006
RECEIVING PARTY DATA	
Name:	Murata Manufacturing Co., Ltd.
Street Address:	10-1, Higashikotari 1-chome, Nagaokakyo-shi
City:	Kyoto-fu
State/Country:	JAPAN
Postal Code:	617-8555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11612107
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Total Attachments: 1 source=00829099#page1.tif	

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PATENT
REEL: 019093 FRAME: 0246

PATENT APPLICATION ASSIGNMENT -
SOLE AND JOINT INVENTORS

P/1071-1627

V3338

WHEREAS, We, Shuji TSUBAKI, Kazuto MIYAGAWA, and Yutaka IKEDA, as assignors, have invented certain improvements in BATTERY PACK PROTECTION CIRCUIT AND BATTERY PACK for which an application for United States Letters Patent has been executed by me of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd., a corporation organized under the laws of Japan and having a principal place of business at 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu, 617-8555, Japan, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, as assignors, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assign to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

December 20, 2006
(Date)

Shuji Tsubaki
Shuji TSUBAKI

December 19, 2006
(Date) ~~2004~~ 12/21/06 K.M.

Kazuto Miyagawa
Kazuto MIYAGAWA

December 20, 2006
(Date)

Yutaka Ikeda
Yutaka IKEDA

LEGALIZATION RECOMMENDED

{00804732.1}



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RECORDED: 03/30/2007

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