PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yoshiaki KUMASHIRO	07/27/2009
Yoshimi YANAI	07/27/2009
Eiji SEKI	07/27/2009

RECEIVING PARTY DATA

Name:	Hitachi, Ltd.	
Street Address:	6-6, Marunouchi 1-chome	
City:	Chiyoda-ku, Tokyo	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12541612	

CORRESPONDENCE DATA

Fax Number: (202)628-8844

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-624-2500

Email: wcousins@crowell.com

Correspondent Name: Crowell & Moring LLP

Address Line 1: Intellectual Property Group

Address Line 2: PO Box 14300

Address Line 4: Washington, DISTRICT OF COLUMBIA 20044-4300

NAME OF SUBMITTER: Gary R. Edwards

Total Attachments: 1

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PATENT REEL: 023878 FRAME: 0563

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

CHARGING/DISCHARGING CONTROL UNIT FOR LITHIUM SECONDARY BATTERY

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

	INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) _	Yoshiahi Kumashiri	7 /27 /2008
2) _	Yoshiaki KUMASHIRO Yoshiml Yonoi	7/27/2009
3)	Yoshimi YANAI Eīji Seki	7/27/2009
4)	Eiji SEKI	
5) _		
6) _		
7) _		
8) _		
9) _	· ·	
10) _		

PATENT REEL: 023878 FRAME: 0564

RECORDED: 02/01/2010