504524682 08/29/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NOBUYASU FURUI	01/08/2014
HITOSHI SUZUKI	01/08/2014
MASAAKI FUKUMOTO	01/08/2014
TAKUYA UMEMURA	01/08/2014
KOSUKE ITO	01/10/2014
HITOSHI SENGIKU	01/10/2014
SHUJI YOSHIKAWA	12/24/2013
TATSUYA NAGAHAMA	01/15/2014

RECEIVING PARTY DATA

Name:	MAKITA CORPORATION
Street Address: 3-11-8, SUMIYOSHI-CHO	
City:	ANJO-SHI
State/Country:	JAPAN
Postal Code:	446-8502

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15689725

CORRESPONDENCE DATA

Fax Number:

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.

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NAME OF SUBMITTER:	JEFFREY D. TEKANIC
SIGNATURE:	/JEFFREY D. TEKANIC/

PATENT REEL: 043438 FRAME: 0550

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DATE SIGNED: 08/29/2017

Total Attachments: 3
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PATENT REEL: 043438 FRAME: 0551

ASSIGNMENT FOR US PATENT APPLICATIONS AND US PATENTS

WHEREAS, the undersigned inventors, Nobuyasu FURUI of Anjo-shi, Aichi-ken, Japan, Hitoshi SUZUKI of Anjo-shi, Aichi-ken, Japan, Masaaki FUKUMOTO of Anjo-shi, Aichi-ken, Japan, Takuya UMEMURA of Anjo-shi, Aichi-ken, Japan, Kosuke ITO of Anjo-shi, Aichi-ken, Japan, Hitoshi SENGIKU of Anjo-shi, Aichi-ken, Japan, Shuji YOSHIKAWA of Anjo-shi, Aichi-ken, Japan and Tatsuya NAGAHAMA of Anjo-shi, Aichi-ken, Japan (hereinafter referred to as "the Assignors"), have invented certain new and useful improvements in "PORTABLE BATTERY PACK CHARGING SYSTEM, METHOD FOR RECHARGING A BATTERY PACK, AND ADAPTER THEREFOR", and are the joint owner of the entire right, title and interest in and to said improvements;

WHEREAS, Makita Corporation, a corporation duly organized under and pursuant to the laws of Japan, and having a principal place of business at 3-11-8, Sumiyoshi-cho, Anjoshi, Aichi 446-8502, Japan (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest of the Assignor in and to said improvements;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, do hereby sell, assign, transfer, and set over, unto the Assignee, its successors, and legal representatives, the entire right, title, and interest of the Assignors in and to the above-mentioned improvements, the above-mentioned entire right, title and interest of the Assignors include the entire right, title and interest in and to any Japanese patent applications based on said improvements, in and to any and all Japanese Patents that may be granted therefor and thereon, in and to any patent applications based on said improvements that may be filed to the United States of America (hereinafter "US"), in and to any and all US Patents that may be granted therefor and thereon, in and to any and all applications claiming priority to said applications, in and to any divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, and legal representatives to the full end of the term or terms for which Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND the Assignors hereby confirm that the Assignee has filed US patent application for said improvements on July 24, 2011 to which serial No. 61/511,092 has been assigned, US patent application for said improvements on November 29, 2011 to which serial No. 61/564,513 has been assigned, US patent application for said improvements on December 30, 2011 to which serial No. 61/581,950 has been assigned and US patent application for said improvements on February 1, 2012 to which serial No. 61/593,533 has been assigned, and is entitled to file any US patent applications based on said improvements;

AND for the same consideration, the Assignors hereby covenant to and agree with the Assignce, its successors and legal representatives, that, at the time of execution and delivery of these presents, the Assignor is the sole and lawful owner of their entire right, title, and interest in and to the improvements set forth in said above-mentioned application, and that the same right, title, and interest are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant to and agree with the Assignee, its successors, and legal representatives that the Assignor will, whenever

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counsel of the Assignee, or the counsel of its successors, and legal representatives, shall advise that any proceeding in connection with said improvements or said applications for Patents, or any proceeding in connection with US Patents for said improvements in the United States of America, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Patents, or any reissue or extension of any Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Patents for said improvements, without charge to the Assignee, its successors, and legal representatives, but at the cost and expense of the Assignee, their successors, and legal representatives;

AND Assignors hereby authorize the Assignee, its successors and legal representatives, or anyone it may properly designate, to insert below the filing date and serial number of said US patent application, when said filing date and serial number become available:

US Patent Application Serial No.	14/233,792	Filing Date January 20, 2014

AND the Assignors hereby request the Commissioner of Patents and Trademarks to issue any and all said US Patents that may be granted upon any of the above-mentioned applications, in the name of the Assignee, for the sole use and behalf of the Assignee, its successors, and legal representatives.

Date: _	Jan, 8, 2014	Name of Assignor	Nobuyasu Furui
		Ť	Nobuyasu FURUI
Date: _	Jan. 8. 2014	Name of Assignor	Hitoshi Suzuki
			Hitoshi SUZUKI
Date:	Jan. 8. 2014	Name of Assignor	Magazlei Fulmon to
			Masaaki FUKUMOTO
Date	Jan & 2014	Name of Accionar	Takuya Umemura
nam:		trame or visitant	Takuya UMEMURA

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Date: _	Jan, 10, 2014	Name of Assignor	Kosuke Ito Kosuke ITO
Date: _	Jan. 10. 2014	Name of Assignor	Hîtoshi Sengiku Hitoshi SENGIKU
Date: 🔎	Acc. 24.20/3	Name of Assignor <u>←</u>	Shuji Yoshikawa
Date: _	Jan. 15, 2014	Name of Assignor	Tatsuya Nagahama Tatsuya NAGAHAMA

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RECORDED: 08/29/2017