PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroya TANAKA	07/12/2011
Ryo KOMURA	07/19/2011
Kazuhisa YAMAKI	07/14/2011
Yuichi KUSHIHI	07/15/2011

RECEIVING PARTY DATA

Name:	MURATA MANUFACTURING CO., LTD.
Street Address:	10-1, Higashikotari 1-chome
Internal Address:	Nagaokakyo-shi
City:	Kyoto-fu
State/Country:	JAPAN
Postal Code:	617-8555

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13193291

CORRESPONDENCE DATA

Fax Number: (703)390-1277

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

Phone: 703 390 9054

Email: dave.washington@sbpatentlaw.com

Correspondent Name: Studebaker & Brackett PC Address Line 1: One Fountain Square

Address Line 2: 11911 Freedom Drive, Suite 750
Address Line 4: Reston, VIRGINIA 20190

ATTORNEY DOCKET NUMBER: 002000-74

NAME OF SUBMITTER: Tim L. Brackett, Jr.

Total Attachments: 1 source=ASN#page1.tif

PATENT REEL: 026667 FRAME: 0780 IOP \$40.00 1319329

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Hiroya TANAKA, Ryo KOMURA, Kazuhisa YAMAKI and Yuichi KUSHIHI hereinafter referred to collectively as the assignor, has invented a certain improvement relating to:

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w/*	A Company of the Section of the Company of the Comp
instrument; said application to be	or said application being executed concurrently with the execution of this filed in the United States Patent and Trademark Office;
authorization being hereby giver CUSTOMER NUMBER 78198. I serial number of said application	lied in the United States Patent and Trademark Office on, to the practitioners associated with the <u>STUDEBAKER & BRACKETT PC</u> to insert here in parentheses (Application Serial No) the application when known;
[] said application having been fi Serial No	led under the Patent Cooperation Treaty on, as, the United States of America being designated.
Nagaokakvo-shi, Kyoto-fu 617-85 the entire right, tille and interest thereof, and in and to said invential renewals, relesues and prolon	ATA MANUFACTURING CO., LTD. of 10-1, Higgshikotari 1-chome, 555, JAPAN, hereinafter referred to as the assignee, is desirous of acquiring in and to said application, including any and all divisions and continuations on and any and all patents which may be granted therefor, including any and gations thereof;
paid by said assignee to said as assigns, sells and transfers to exclusive right, title and interest thereof, and in and to said inventiall renewals, reissues and prolon to have, hold, exercise and enjoy and the said invention and any a reissues and prolongations therefrom or appertaining thereto, for including any and all renewals, read said assignee's successors or could have held and enjoyed to	isideration of One Dollar (\$1.00), and other good and valuable consideration is ignor, the receipt of which is hereby acknowledged, said assigner hereby said assignee, and said assignee's successors and assigns, the full and in and to said application, including any and all divisions and continuations ion and any and all patents which may be granted therefor, including any and gations thereof; said assignee, and said assignee's successors and assigns, the said application, including any and all divisions and continuations thereof, and all patents which may be granted therefor, including any and all renewals, sof, with all the rights, powers, privileges and advantages in anywise arising and during the term or terms of any and all such patents when granted, eissues and prolongations thereof, for the use and benefit of said assignee, and assigns, in as ample and beneficial a mariner as the said assignor might the same, if this assignment had not been made.
AND said assignor here successors or assigns, any and any and all renewals, reissues a	by agrees to perform, upon the request of said assignee, or said assignee's all acts relating to the obtaining or to the asserting of said patents, including and prolongations thereof.
AND said assignor auth Letters Patent on said application said assignee's successors and	orizes and requests the Commissioner of Patents and Trademarks to issue 1, and on any and all divisions and continuations thereof, to said assignee, and assigns, in accordance herewith.
The undersigned hereby on this Assignment any further land trules of the U.S. Patent and Training	grant(s) the law firm of STUDEBAKER & BRACKETT PC the power to insert dentification which may be necessary or desirable in order to comply with the demark Office for recordation of this document.
This Assignment has b name(s).	een executed by the undersigned on the date(s) opposite the undersigned
Date: July, 12, 2011	Signature: <u>Hiroya TAHAKA</u> Name: <u>Hiroya TANAKA</u>
Date: July 19,2611	Signature: Ryo KOMURA Name: Ryo KOMURA
Date: July. 14:2011	Signature: Kazuhisa Yamaki Name: Kazuhisa YAMAKI
Date: July 15, 20//	Signature: Ywich Fushing Name: Yulchi KUSHIHI

PATENT REEL: 026667 FRAME: 0781

RECORDED: 07/28/2011