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		(1450 ria, VA 22313-1450	10331039		Attorney Docket No. 129449		
		Ple	ease record the attached original document or copy thereof.				
1.	A. Name of conveying party: Masaya YAMAS			2. A. Name and address of receiving party:			
			НІТА	MINEBEA CO., LTD. 4106-73 MIYOTA, MIYOTA-M.			
	B.	Additional name(s) of conve	eying party(ies) attached?		TASAKU-GUN, NAGANO-KEN PAN		
3.	Α.	Nature of conveyance:		B.	Additional name(s) & address(es) attached?		
	\boxtimes	Assignment	☐ Merger		□Yes 🖾 No		
		Security Agreement	☐ Change of Name	1/200			
		Other			10/592672		
	B.	Execution Date: September	er 7, 2006				
4.	\boxtimes	This document is being filed	together with a new applica	tion.			
	A. Patent Application No.(s)			B.	Patent No.(s)		
	Additional numbers attached? ☐ Yes ☒ No C. Title of Application: <u>DC-DC CONVERTER</u>						
5.		ne and address of party to who cerning document should be n		6. To	tal number of applications and patents involved: 1		
	Na	me: James A. Oliff		7. A.	Total fee (37 CFR 3.41)\$ 40.00		
				В.	Enclosed (Check No. 184154)		
	Ac	idress: OLIFF & BERRIDGI P.O. Box 1992 Alexandria, VA	28		edit any overpayment or charge any underpayment to posit account number 15-0461.		
6 GFR	EY1	00000040 10592672 40.00 DP					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached counter the original document.							
	Jar Jes	mes A. Oliff, Registration use O. Collier, Registration	on No. 53.839	Date: September 13, 2006 including cover sheet, attachments, and document: 2			

PATENT REEL: 018315 FRAME: 0862

ASSIGNMENT

(1-8)	Insert	(1) Masava YA	MASHITA	(5)	
\ /	Name(s) of			-	
	Inventor(s)				and
		In conside	eration of the sum of o	ne dollar (\$1.00) and oth	er good and valuable considerations paid
		to each of the u	undersigned, the under	signed agree(s) to assign	, and hereby does assign, transfer and set
		over to			
(9)	Insert Name of Assignee	(9) Minebea Co	o., Ltd.		
(10)	Insert Address of Assignee	(10) <u>4106-73 Mi</u>	<u>yota, Miyota-m</u>	<u>achi, Kitasaku-gu</u>	n, Nagano-ken, Japan
		•		- ·	rest for the United States of America as
		defined in 35 U.S.C. § 10	00, in the invention, a	and in all applications fo	or patent including any and all divisions,
				Letters Patent, extension	s, reissues and reexamination certificates
		that may be granted on the			
(11)	Insert Identification,	(11) DC-DC CONVE	ERTER		
	such as Title, Case				
	Number or Foreign		•		
	Application Number	(Case No. 129449			
		For which the undersigned	d has (have) executed	an application for patent	t in the United States of America
(12)	Insert Date of	Sentember	7. 2006		
	Signing of Application	(12) on September	7, 2000		
(12)	A ltamaticus				
(13)	Alternative identification for	(12) II C amplication Cari	al Manuela au		
		(13) U.S. application Serifiled September			· · · · · · · · · · · · · · · · · · ·
	filed applications	med september	13, 2000		
1)	The undersioned agr	e(s) to execute all naners necess	sary in connection with the	ne application and any conti	nuing, divisional or reissue applications for the
.,					cations and patents as the Assignee may deem
	necessary.	3 ,		11	, ,
2)	-	e(s) to execute all papers nece	ssary in connection with	any interference which m	ay be declared concerning this application or
ŕ	continuation or division thereof	or any patent or reissue applica	tion based thereon, and to	o cooperate with the Assign	ee in every way possible in obtaining evidence
	and going forward with such in	erference.			
3)	The undersigned agr	e(s) to execute all papers and de	ocuments and perform ar	ny act which may be necess	ary in connection with claims or provisions of
	the International Convention f	•	•		
4)	The undersigned agr	e(s) to perform all affirmative a	cts which may be necess	ary to obtain, maintain or o	onfirm by reissue or reexamination a grant of a
	valid United States Patent to the	: Assignee.			
5)	The undersigned her	by authorize(s) and request(s) t	the Director of Patents to	issue any and all Letters P	atents of the United States resulting from said
	application or any divisional, or	ntinuing or reissue applications	to the said Assignee, as A	Assignee of the entire interes	t, and hereby covenants that he has (they have)
	full right to convey the entire i	terest herein assigned, and that	he has (they have) not e	xecuted, and will not execu	te, any agreements in conflict herewith.
6)	The undersigned he	by grant(s) the firm of OLIFF	& BERRIDGE the po	wer to insert on this assign	ment any further identification which may be
	necessary or desirable in order	o comply with the rules of the	United States Patent and	Trademark Office for reco	rdation of this document.
				1(a)	
	In witness whereof, execut	d by the undersigned on the	date(s) opposite the u	indersigned name(s).	(SEAL)
Date	In witness whereof, execution in witness whereof, execution is september 7,2006 National National Inc.	e of Inventor	masione fund	in will	(SEAL)
T	- Na	ie or invenior			
Date	Na	ne of Inventor			(SEAL)
Date	e Na e Na	ne of Inventor			(SEAL)
Date	e Na	ne of inventor			
	man 1	ferably be signed before: (a)	a Notary Public if wi	thin the U.S.A.	
	This assignment should probable a U.S. Consul if outside the	S A If neither then it shou	ald be signed before at	least two witnesses who	also sign here:
		ness	- · · · · · · · · · · · · · · · · · · ·		
Dat -	·	ness			

PATENT REEL: 018315 FRAME: 0863

ASSIGNMENT

(1-8)	Insert	(1) Masaya YAMASHITA (5)						
	Name(s) of	(2) (6)						
	Inventor(s)	(3)(7)	and					
		(4)(8)						
		In consideration of the sum of one dollar (\$1.00) and other go	od and valuable considerations paid					
		to each of the undersigned, the undersigned agree(s) to assign, and	hereby does assign, transfer and set					
		over to						
(9)	Insert Name of Assignee	(9) Minebea Co., Ltd.						
(10)	Insert Address of Assignee	(10) 4106-73 Miyota, Miyota-machi, Kitasaku-gun, 1						
		(hereinafter designated as the Assignee) the entire right, title and interest for						
		defined in 35 U.S.C. § 100, in the invention, and in all applications for pat						
		continuations, substitutes, and reissues, and all Letters Patent, extensions, reis	ssues and reexamination certificates					
(1.1)	T I.l!.C!	that may be granted on the invention known as						
(11)	Insert Identification,	(11) DC-DC CONVERTER						
	such as Title, Case Number or Foreign							
	Application Number	(Case No. 129449)						
	Application Number	For which the undersigned has (have) executed an application for patent in the	ne I Inited States of America					
(12)	Insert Date of	To which the takersighed has (have) executed an application for patent in the	ic Officer States of Afferred					
(1-)	Signing of Application	(12) on September 7, 2006						
(13)	Alternative							
` ,	identification for	(13) U.S. application Serial Number						
	filed applications	filed September 13, 2006						
1)		c(s) to execute all papers necessary in connection with the application and any continuing,						
	invention, and any patent(s) issu	ing thereon, and also to execute separate assignments in connection with such application	s and patents as the Assignee may deem					
	necessary.							
2)		e(s) to execute all papers necessary in connection with any interference which may be						
		or any patent or reissue application based thereon, and to cooperate with the Assignee in e	every way possible in obtaining evidence					
	and going forward with such in	erference. (s) to execute all papers and documents and perform any act which may be necessary in	connection with claims or provisions of					
3)			Connection with classics or provisions of					
45	the International Convention to	Protection of Industrial Property or similar agreements. (s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm	by reissue or reexamination a grant of a					
4)			,					
5)	valid United States Patent to the	by authorize(s) and request(s) the Director of Patents to issue any and all Letters Patents	of the United States resulting from said					
5)	annlication or any divisional co	atinuing or reissue applications to the said Assignee, as Assignee of the entire interest, and	hereby covenants that he has (they have)					
	C-11 wight to conver the entire in	erect herein assigned, and that he has (they have) not executed, and will not execute, an	y agreements in conflict herewill.					
6)	The undersigned her	hereby grant(s) the firm of OLIFF & BERRIDGE the power to insert on this assignment any turner identification which had be						
0)	necessary or desirable in order	o comply with the rules of the United States Patent and Trademark Office for recordation	n of this document.					
	In witness whereof, execute	by the undersigned on the date(s) opposite the undersigned name(s).	(CEAL)					
Date	September 7,2006 Nam	e of Inventor						
Date	_a Nan	e of Inventor	(SEAL) (SEAL)					
	Nan	e of Inventor	(CEAL)					
	Non	e of Inventor						
Date	e Nar	e of Inventor						
•								
	This assignment should pre	erably be signed before: (a) a Notary Public if within the U.S.A.	sign here:					
(b) a U.S. Consult if outside the U.S.A. If neither, then it should be signed before at least two withouts with the consulting the consulting of the consult								
	Wit	ness						
Dat	te Wir	ness						

RECORDED: 09/13/2006

PATENT REEL: 018315 FRAME: 0864