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Our Ref.: MNL-2018-2391

**PAT** 

103575488

To the Director of the U.S. Patent and Trademark Office: Please re	ecord the attached original documents or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
1 Taichi YAMAGUCHI		
2 Hironori MITSUBAYASHI	1) Name: DENSO CORPORATION	
3 Daigo AKUTSU	Street Address: 1-1, Showa-cho	
4 Satoshi NAGAO	City: Kariya-city, Aichi-pref.	
	State/Country: Japan Zip: 448-8661	
Additional name/s of conveying party/ies attached?	, i	
	2) Name	
Assignment	Street Address:	
Security Assignment Change of Name	City:	
Other	State: Zip:	
Execution Date: 1) August 27, 2009 2) August 28, 2009 3) August 27, 2009 4) August 27, 2009	Additional name/s & address/es attached?   Yes   No	
4. Application number(s) or patent number(s):	assignment is being filed together with a new application.	
A. Patent Application No(s).	B. Patent No(s).	
(1) 12/565,876	(1)	
(2)	(2)	
(3) Additional numbers att	(3) ached ☐ Yes ☒ No	
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved:	
concerning document should be mailed:	o. Total hamber of applications & patents involved.	
concenting accument broata or mariou.	7. Total fee (37 CFR 3.41) \$ 40.00	
Name: Michelle N. Lester	⊠ Enclosed	
	Authorized to be charged to deposit account #14-1140	
Internal Address:	<u> </u>	
	8. The Commissioner is hereby authorized to charge any	
Street Address: Nixon & Vanderhye P.C.	deficiency in the fee(s) filed, or asserted to be filed, or which	
901 North Glebe Road	should have been filed herewith (or with any paper thereafter	
11th Floor	filed in this application by this firm) to our <b>Account No.</b>	
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9. Statements and signature.		
To the best of my knowledge and belief, the foregoing informat	ion is true and correct and any attached copy is a true copy	
of the original document.		
MILLIAM X		
Michelle N. Lester September 24, 2009		
Name of Person Signing Sign Reg. No. 32,331	nature Date	
Total number of pages including <b>original</b> cover sheet, attachments, and document: [3]		
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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 $DOCS-\#1534061-v1-Recordation\_Coversheet.DOC$ 

PATENT REEL: 023300 FRAME: 0353

Case N	ο.	:	
1233	392	٠_	US-AH/ns

## ASSIGNMENT OF U.S. PATENT APPLICATION

(Invento	rs)Taichi`	Yamaguchi		
	Hirono	ri Mitsubayashi		
	Daigo /	Akutsu		
	Satosh	i Nagao		
			dollar (\$1.00) and other good and valuable	
			ned, the undersigned agree(s) to assign, and	
	hereby does as	sign, transfer and set over to	<b>)</b>	
(Assigne	ee) DENSO CO	DRPORATION	a corporation of Japan	
(Addres:		o, Kariya-city, Aichi-pref.,	448-8661 Japan	
•	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for			
	the United State	es, its territories, dependenc	ies and possessions in the invention, and all	
	applications for	patent and any Letters Pate	ent which may be granted therefore, known as	
(Title)	SMART ENTRY			
. ,			ted on even date herewith an application for	
	patent in the Ur		not on even date, then has executed on	
		or has already filed	U.S. application Serial No, on	
			on of assignment of this invention to said	
	assignee at the	time the invention was mad	e.	
The	undersigned agree(s	) to execute all papers and o	documents necessary in connection with the	
			y continuing or divisional applications thereof and	
also to exec	ute separate assignm	ents in connection with such	n applications as the Assignee may deem	
necessary o	r expedient and further	er to perform any act which i	may be necessary in connection with claims or	
provisions of	f the International Co	nvention for Protection of Inc	dustrial Property or similar agreements.	
The	undersigned agree(s	) to perform all affirmative a	cts which may be necessary to obtain a grant of a	
	States patent to the		oto milan may be necessary to obtain a grant of a	
	•	<del>-</del>	the Commissioner of Detents to issue any and all	
			the Commissioner of Patents to issue any and all ation or any division or divisions or continuing	
			entire interest, and hereby covenants that he has	
			ned, and that he has (they have) not executed and	
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The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this				
			or desirable in order to comply with the rules of the	
United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S				
attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only				
ASSIGNEE	with respect to this in	vention.		
In w	ritness whereof, execu	uted by the undersigned on t	the date(s) opposite the undersigned signature(s).	
			•	
$\Omega u$	must 27. 2009		of the state of the	
Date	9	Signature of inventor	Jach Jamagacho	
			Taichi Yamaguchi	
- D	gust 27. 2009 gust 28.2009		Jaichi Yamayuchi Taichi Yamaguchi Wironani Mitsubayashi	
Date UU	quer 201201	Signature of inventor	knonori Musubayaru	
0			Hironori Mitsubayashi	

Signature of inventor

Signature of inventor

Date August 28, 2009

Date August 27, 2009

Date August 21, 2009

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**PATENT REEL: 023300 FRAME: 0354** 

Daigo Akutsu
Daigo Akutsu
Satoshi Nagao
Satoshi Nagao

Case No. :	
123392-US-AH/ns	•

Date	Ungust, 27, 2009	Witnessed by: Masahibo Csada
Date	August. 28. 2009	
		Witnessed by: Masahibo asada
Date		
Date		Witnessed by: Masahiko Chada
Jaie	August. 27, 2009	Witnessed by: Masahiku Osada
	, –	Masuhiki Osada

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PATENT REEL: 023300 FRAME: 0355

**RECORDED: 09/24/2009**