\$40.00 122800

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hisayo YOSHIKAWA	07/10/2008
Masahiro ITO	07/10/2008
Kenji KASASHIMA	07/10/2008

RECEIVING PARTY DATA

Name:	DENSO CORPORATION		
Street Address:	1-1, Showa-cho		
City:	Kariya-city, Aichi-pref.		
State/Country:	JAPAN		
Postal Code:	448-8661		

Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA		
Street Address:	1, Toyota-cho		
City:	Toyota-city, Aichi-pref.		
State/Country:	JAPAN		
Postal Code:	471-8571		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12280059

CORRESPONDENCE DATA

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

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PATENT REEL: 021417 FRAME: 0259

500626018

Address Line 4: ARLINGTON, VIRGINIA 22203		
ATTORNEY DOCKET NUMBER:	MNL-2018-2084	
NAME OF SUBMITTER:	Michelle N. Lester	
Total Attachments: 4 source=EXECUTED_ASSIGNMENT#page1.tif source=EXECUTED_ASSIGNMENT#page2.tif source=EXECUTED_ASSIGNMENT#page3.tif source=EXECUTED_ASSIGNMENT#page4.tif		

PATENT REEL: 021417 FRAME: 0260

Case No.	•
99727-U	ST-MAK/ns

ASSIGNMENT OF U.S. PATENT APPLICATION

	,		I E I A I E I DY I I DIA			
(Inventors		Yoshikawa				
	Masahiro Ito					
	Kenji Kasashima					
	In consideration of the sum of one dollar (\$1.00) and other good and valuable					
	considerations paid to each of the undersigned, the undersigned agree(s) to assign, and					
/ A		hereby does assign, transfer and set over to				
(Assignee)		DENSO CORPORATION a corporation of Japan 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan				
(Address)	1-1, Showa-cr	io, Kariya-city, Alchi-pret.,				
(Assignee)		JIDOSHA KABUSHIKI KAI				
(Address)	(Address) 1, Toyota-cho, Toyota-city, Aichi-pref., 471-8571 Japan					
	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest fo the United States, its territories, dependencies and possessions in the invention, and all					
	applications for	es, its territories, dependent	cles and possessions in the invention, and all			
(Title)		ROL SYSTEM	ent which may be granted therefore, known as			
(iiie)			uted on even date herewith an application for			
	natent in the U	nited States of America or in	f not on even date, then has executed on			
	patorit iii aio o	or has already filed	d U.S. application Serial No, on			
	haddinaddd	or rido directory files	3 0.0. application Condition, on			
	The undersign	ed acknowledges an obligati	on of assignment of this invention to said			
	assignee at the	time the invention was made	de.			
The ur	ndersigned agree(s	s) to execute all papers and	documents necessary in connection with the			
application or a	anv interference wi	nich may be declared and ar	ny continuing or divisional applications thereof and			
also to execute	separate assignn	nents in connection with suc	h applications as the Assignee may deem			
necessary or e	xpedient and furth	er to perform any act which	may be necessary in connection with claims or			
provisions of th	e International Co	nvention for Protection of In	dustrial Property or similar agreements.			
			acts which may be necessary to obtain a grant of a			
valid United Sta	ates patent to the	Ássignee.	and the state of t			
The un	dersigned hereby	authorize(s) and request(s)	the Commissioner of Patents to issue any and all			
Letters Patent	of the United State	es resulting from said applica	ation or any division or divisions or continuing			
applications the	ereof to the said A	ssignee, as Assignee of the	entire interest, and hereby covenants that he has			
(they have) full	right to convey the	e entire interest herein assig	ned, and that he has (they have) not executed and			
will not execute	e, any agreement i	n conflict herewith.				
The un	dersianed hereby	grant(s) the firm of NIXON A	VANDERHYE P.C. the power to insert on this			
assignment an	v further identificat	ion which may be necessar	or desirable in order to comply with the rules of the			
United States F	atent Office for re	cordation of this document.	It is understood and agreed that ASSIGNEE'S			
attorneys Nixor	า & Vanderhye P.C	have represented only AS	SIGNEE and will continue to represent only			
ASSIGNEE with	h respect to this in	vention.	· · · · · · · · · · · · · · · · · · ·			
In witne	ess whereof, exec	uted by the undersigned on	the date(s) opposite the undersigned signature(s).			
	,		and detector opposite the undereigned eighted eight.			
$\mathcal{T}.L$	10 300P					
Date July	10,2008	Signature of inventor	Hoarst Goom pawa			
Hisayo Yoshikawa						
D .			•			
Date		Signature of inventor				
			Masahiro Ito			
Date		Signature of inventor				
		orginature of miveritor	Vanii Vanahima			
			Kenji Kasashima			

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Case No.	:
99727-U	ST-MAK/ns

Date	July 10 2008	Witnessed by: Masato Katsuno
Date		Witnessed by:
Date		Witnessed by:

Case No. :
99727-UST-MAK/ns

ASSIGNMENT OF U.S. PATENT APPLICATION

(inventors)		Yoshikawa				
	Masah	Masahiro Ito				
		Kenji Kasashima				
	In cons	In consideration of the sum of one dollar (\$1.00) and other good and valuable				
	considerations	considerations paid to each of the undersigned, the undersigned agree(s) to assign, and				
	-	hereby does assign, transfer and set over to				
(Assignee)		DRPORATION	a corporation of	Japan		
(Address)		o, Kariya-city, Alchi-pref		· ·		
(Assignee)	TOYOTA	IIDOSHA KABUSHIKI KA	ISHA a corporation of	Japan		
(Address)	_1, Toyota-cho,	Toyota-city, Aichi-pref.,	471-8571 Japan			
	(hereinafter des	ignated as the Assignee)	the undersigned's entire righ	t, title and interest for		
	the United State	es, its territories, depender	ncies and possessions in the	invention, and all		
	applications for	patent and any Letters Pa	tent which may be granted th	nerefore, known as		
(Title)	ENGINE CONT					
	for which the ur	ndersigned has (have) exe	cuted on even date herewith	an application for		
	patent in the Ur		if not on even date, then has			
		or has already file	ed U.S. application Serial No), on		
	The undersigne	d acknowledges an obliga	tion of assignment of this inv	ention to said		
	assignee at the	time the invention was ma	ade.			
The un	dersigned agree(s) to execute all papers and	d documents necessary in co	nnection with the		
application or a	ny interference wh	ich may be declared and a	any continuing or divisional a	pplications thereof and		
also to execute	separate assignm	ents in connection with su	ch applications as the Assig	nee may deem		
necessary or ea	pedient and further	er to perform any act which	n may be necessary in conne	ection with claims or		
provisions of th	e International Co	nvention for Protection of I	ndustrial Property or similar	agreements,		
The un	dersigned agree(s) to perform all affirmative	acts which may be necessar	ry to obtain a grant of a		
valid United Sta	ites patent to the A	kssignee.				
The un	dersigned hereby	authorize(s) and request(s) the Commissioner of Pater	nts to issue any and all		
Letters Patent	of the United State	s resulting from said applic	cation or any division or divis	ions or continuina		
applications the	reof to the said As	signee, as Assignee of the	e entire interest, and hereby	covenants that he has		
(they have) full	right to convey the	entire interest herein assi	gned, and that he has (they	have) not executed and		
will not execute	, any agreement ir	conflict herewith,	3 = ,	inara, instrumenta and		
			& VANDERHYE P.C. the po	verse for innorm on this		
assignment an	r further identificati	on which may be necessar	ry or desirable in order to co	mak with the miles of the		
United States F	atent Office for re	cordation of this document	t. It is understood and agree	d that Application		
attorneys Nixor	& Vanderbye P.C	have represented only A	SSIGNEE and will continue t	o representant		
attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.						
	•					
In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).						
Doto		Cinnet - Financia				
Date		Signature of inventor				
Hisayo Yoshikawa						
Date / /	10 2008	01 . (Jan 1			
Date VOIV	1 - 2000	Signature of inventor	_ masahore (1)	lo-		
			Masahiro Ito			
Data / /./	10, 2008 ,10, 2018	Clamatura afternata	Masahiro Ito Karyi Kasahira	- 10°		
Date Mary	,10,200	Signature of inventor	nevy hax	Michina.		
/			Kenji Kasashima			

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Case No. :
99727-UST-MAK/ns

Date		Witnessed by:	
Date	July. 10, 2008	Witnessed by:	noton Takoji
Date	July 10, 2008	Witnessed by:	Jakao Komoda

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PATENT REEL: 021417 FRAME: 0264