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2 Shinjiro YASUI	1) Name: DENSO CORPORATION			
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	City: Kariya-city, Aichi-pref.			
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4. Application number(s) or patent number(s): This assignment is being filed together with a new application.				
A. Patent Application No(s).	B. Patent No(s).			
(1) 13/231,034	(1)			
	(1) (2)			
(2)	(3)			
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	6. Total number of applications & patents involved:			
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Name: Michelle N. Lester				
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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 Account No.			
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy				
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Michelle N. Lester /////////////// October 31, 2011				
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PATENT 189
REEL: 027282 FRAME: 0068

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ASSIGNMENT OF PATENT APPLICATION

(Inventors)	1) Masamichi ISHIKAWA		
	2) Shinjiro YASUI		
	3)		
	4) :		
	5)		
•			
	6)		
	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 hereby does assign, transfer and set over to		
(Assignee) (Address)	DENSO CORPORATION, a corporation of Japan having a place of business at 1-1 Showa-cho, Kariya-city, Aichi-pref. 448-8661 Japan		
	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of		
(Other Countries) (Title)	in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as TRANSFORMER		
	for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on September 20, 2011 or has already filed in U.S. appln. Serial No. , filed on September 13, 2011. The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.		

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary 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 invention.

PATENT REEL: 027282 FRAME: 0069 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date September 20, 2011	Signature of inventor	masamichi Ishikawa
Date september 20, 2011	Signature of inventor	Shinjiro Yasui
Date	Signature of inventor	
Witnessed by: September	20, 20//	Date Yuji Hayashi
Witnessed by: September September 2	ber 20. 2011	Date Juji Hayashi Date Hilleki Ito
Witnessed by:		Date
Witnessed by:		Date

PATENT REEL: 027282 FRAME: 0070

RECORDED: 10/31/2011