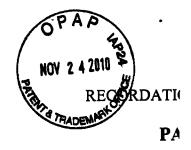
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	assignment is being filed together with a new application.		
A Patent Application No(s).	B. Patent No(s).		
(1) 12/914,298	(1)		
(2)	(2)		
(3)	(3)		
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Michelle N. Lester November 24, 2010			
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ASSIGNMENT OF PATENT APPLICATION

(Inventors)	1) Makoto ITO	
	2) Fuminori NAKASHIMA	
	3)	
	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	

GAS SENSOR ELEMENT

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 November 5, 2010 or has already filed in U.S. appln. Serial No , filed on October 28, 2010 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: 025314 FRAME: 0448 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s) $\frac{1}{2} \int_{\mathbb{R}^{n}} \left(\frac{1}{2} \int_{\mathbb{R}^{n}} \left$

Date November 5 2010	Signature of inventor	Makoto Lto
Date November 5, 2010	Signature of inventor	Makoto Ito Furninori Rakashima Furninori Nakashima
Date	Signature of inventor	
Witnessed by /www.	su Gamada	Date November 5, 2010
Witnessed by Wirchay	u Yamada	Date Movember 5, 2010 Date Movember 5, 2010
Nitnessed by		Date
Nitnessed by.		Date

PATENT REEL: 025314 FRAME: 0449

RECORDED: 11/24/2010