Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450  RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE PATENTS ONLY Patent and Trademark Office Attorney Docket No. 153114						
Please record the attached document.						
Total number of pages including cover sheet, attachments, and document: 2						
Name of conveying parties:     [1] Masami NIIMI     [2] Mitsuhiro MURATA     [3] Takahisa INAGAKI     B. Additional name(s) of conveying par	zy(ies) attached?	A. Name and address of receiving party:  DENSO CORPORATION 1-1 SHOWA-CHO,  KARIYA-CITY, AICHI-PREF. 448-8661 JAPAN				
3. A. Nature of conveyance:		B. Additional name(s) & address(es) attached?  ☐Yes ☑ No				
	ger nge of Name					
4. A. Patent Application No. 13/468,5	59	B. Patent No.(s)				
Ad	ditional numbers attached?	☐ Yes ☒ No				
C. Title of Application: <u>ELECTRO</u>	MAGNETIC SWITCH					
Name and address of party to whom corresconcerning document should be mailed:	pondence 6.	Total number of applications and patents involved: 1				
Name: <u>James A. Oliff</u>	7.	Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.				
Address: OLIFF & BERRIDGE, PL P.O. Box 320850 Alexandria, VA 22320-48 Phone Number: 703-836-64 Fax Number: 703-836-278	50 00	Credit any overpayment or charge any underpayment to deposit account number 15-0461.				
9. Statement and signature. To the best of my knowledge and belief, the original document.  I the A. Oliff, Registration No. 27,075 Michelle K. Windom, Registration No. 65		true and correct and any attached copy is a true copy of the  Date: May 10, 2012				

PATENT REEL: 028198 FRAME: 0353

N3-15050-NH LN 142142-02

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(12) Insert Date of Signing of More Part (13) U.S. application For Signing of More Part (14) More Part (14) More Part (15) Mor			(1)	Masami NIIMI	(5)		
of Taveistor(t)  (4)  (5)  Takahisa INAGAKI  (6)  In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration and extensions are as TIBLE Cases Number, or Foreign Application Number  (Altorsey Docket No.  for which the undersigned lass (have) executed an application for patent in the United States of America on even date herewith or  (12) Insert Date of Signing of (12) Apr.1.1.2.6 and 30, 2012  Application (13) U.S. application Serial Manufacture (13) U.S. application Serial Manufacture (13) U.S. application serial Manufacture (13) U.S. application serial Number (14) Alternative (15) U.S. application serial (15) Alternative (16) Amount (16) Alternative (17) Apr. 2012  (19) Each undersigned agrees to execute all papers necessary in connection with any application and patterns at the Assignment with expensions and patterns at the Assignment and expensions and expensions of the invention of the invention and to cooperate with the Assignment is undersigned deposite to execute all papers necessary in connection with any application and patterns at the Assignment and papers and documents and performants of the invention, and to cooperate with the Assignment is undersigned agrees to execute an application of the invention, and to cooperate with the Assignment is und	(1-8)		(2)	Mitsuhiro MURATA	(6) _		
In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to easign, and hurstly does assign, transfer and set over to the undersigned agrees to easign, and hurstly does assign, transfer and set over to the undersigned agrees to easign, and hurstly does assign, transfer and set over to the undersigned agrees to easign and hurstly does assign, transfer and set over to the undersigned agrees to easign and begal representatives, the earlier gight, this and interest for the United State and the paid of America as settlened; a U.S.C., \$100, in, the control of			(3)	Takahisa INAGAKI	(7)		
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(10) Insert Address of Assignee  (11) Insert Address of Assignee Assignee Assignee Address Assignee As			•	ach of the undersigned, each			
(10) Ansignee (10) Lasert Address of Assignee (10) Lasert (10) Las	(9)		(9)	DENSO CORPORATION			
(hereinafter designated as the Assignee's heirs, successon, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 100, in the invention, and in all applications for pattern functing any and all provisional, orivisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and orexamination certificates that may be granted on the invention known as a continuation, such at The Cate Number of Portigin Application Number (Attorney Docket No. for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or one ven date herewith or one van date herewith or on	(10)	Insert Address of				, , ,	
Identification such as Title, Case Number, or Porsign Application Number  (Attorney Docket No.  for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or  (12) Insert Date of Signing of (12) April 26 and 30, 2012  Application  (13) Alternative (13) U.S. application Serial Number  Hentification for filed applications filed May 10, 2012  1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and airo to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.  2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any applications not orcutinuation of division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  3) Each undersigned agrees to execute all papers and documents and perform any set which may be necessary in connection with the Assignee in every way possible in obtaining evidence and going forward with such interference.  4) Each undersigned agrees to execute all papers and documents and perform any set which may be necessary in connection with the Assignee in every way possible in obtaining evidence and going forward with such interference.  4) Each undersigned agrees to perform a set such which may be necessary in connection with the Assignee in every way possible in obtaining evidence and going forward with such interference.  5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters  Fatents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and overaments that he has not execu			the entire invention divisions reissues	e right, title and interest for the n, and in all applications for p nl, continuation, substitute, and and reexamination certificates	te United States of a satent including any dreissue applications that may be granted.	America as defined in 35 U.S.( and all provisional, non-provi on(s), and all Letters Patent, ex	C. §100, in the sional,
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Date  April 30, 2012 Inventor Signature  Masami Niimi  Date  April 26, 2012 Inventor Signature  Mitsuhiro Murata  Mitsuhiro Murata  Date  Inventor Signature  Inventor Signature  Inventor Signature  Inventor Signature  Takahisa Inagaki  Date  Inventor Signature  Thuratr  (SEAL)  Masami Niimi  Mitsuhiro Murata  (SEAL)  Takahisa Inagaki  Date  Inventor Signature  (SEAL)  Takahisa Inagaki  Oseal  Takahisa Inagaki  Oseal  O	application any application any application and agreements full right and agree identifies	applications for the invention tions and patents as the Assig 2) Each undersigned agreelication or continuation or dispate in every way possible in 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agreemation a grant of a valid Unit 5) Each undersigned authof the United States resulting at the Convey the entire interest to convey the entire interest that this assignment is bin 6) Each undersigned here eation that may be necessary	and any punee may dees to execut vision there in obtaining es to execut anal Converses to performed States prorizes and refrom said I herein assumding on him by grants the	atent(s) issuing thereon, and sem necessary.  The all papers necessary in control, or any patent or reissue at evidence and going forward with the seminary of the all papers and documents attion for Protection of Industrial affirmative acts which reatent to the Assignee, requests the Commissioner of application(s) to the said Assigned, and that he has not exem and his heirs, successors, as the firm of OLIFF & BERRIDGI	also to execute sepa meetion with any into polication based the with such interferent and perform any act ial Property or simi may be necessary to the U.S. Patent and ignee, as Assignee of couted, and will not ssigns and legal rep 5, PLC the power to	rate assignments in connection erference which may be declar breon, for the invention, and to ce. which may be necessary in contain agreements.  Obtain, maintain or confirm by I Trademark Office to issue any of the entire interest, and cover execute, any agreements in conversentatives. Insert on this assignment any for the serious contains and the converse converse contains and the converse converse contains and the converse converse contains and the contains and the converse contains and the converse contains and the converse contains and the contains and the converse contains and the converse contains and the cont	with such ed concerning cooperate with mection with y reissue or y and all Letters mants that he has afflict herewith, urther
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Date April 26, 20/2 Inventor Signature Takahisa Imagaki (SEAL)  Takahisa Inagaki (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:	Date	april 30, 20	12	Inventor Signature		t humi	(SEAL)
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Takahisa Inagaki  Date Inventor Signature (SEAL)  This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:	Date		<u> </u>	Inventor Signature	Mitsuhiro Murat	a D	(SEAL)
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If neither, then it should be signed before at least two witnesses who also sign here:	Date			Inventor Signature			(SEAL)
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PATENT