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1 Shinya HOSHI 5 Yuuki NAKATSUJI	
2 Koji ISHIZUKA 6 Masahiro ASANO	1) Name: DENSO CORPORATION
3 Kazuhiro HIGUCHI	Street Address: 1-1, Showa-cho
4 Sumitaka IKEDA	City: Kariya-city, Aichi-pref.
H Sullitaka INEDA	0 /0
Additional name/or of conveying nexts/line attached?	State/Country: Japan Zip: 448-8661
Additional name/s of conveying party/ies attached? 3. Nature of conveyance:	2) Name
Assignment Merger	Street Address:
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Execution Date: March 23, 2012, March 23, 2012, April	Additional name/s & address/es attached? Yes No
16, 2012, March 23, 2012, April 2,	
2012 and March 23, 2012	
	•
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) 13/421,002	(1)
. (2)	(2)
(3)	(3)
Additional numbers att	
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved:1
concerning document should be mailed:	
	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:	
Control Nines C Vandahan D C	8. The Commissioner is hereby authorized to charge any
Street Address: Nixon & Vanderhye P.C.	<u>deficiency</u> 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.
City: Arlington State: VA Zip: 22203	14-1140.
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9. Statements and signature.	
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy	
of the original document.	(1/1)
	Thill
Michelle N. Lester	May 17, 2012
	nature Date
Reg. No. 32,331	
Total number of pages including origin	nal cover sheet, attachments, and document: [3]
,	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box, 1450, Alexandria, VA 22313-1450

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REEL: 028277 FRAME: 0725

ASSIGNMENT OF PATENT APPLICATION

(Inventors)

- 1) Shinya HOSHI
- 2) Koji ISHIZUKA
- 3) Kazuhiro HIGUCHI
- 4) Sumitaka IKEDA
- 5) Yuuki NAKATSUJI
- 6) Masahiro ASANO

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

ENGINE CONTROL SYSTEM WITH ACTUATOR CONTROL

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 March 23, April 2 and 16, 2012 or has already filed in U.S. appln. Serial No. 13/421,002 , filed on March 15, 2012. 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: 028277 FRAME: 0726 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

March 23,20/2 S.H. March 23,20/2	
Date	Shinya Hoshi
Date March 23, 20/2 Signature of inventor	Koji Ishizuka
Opril 16, 2012 Y.N. April 2, 2012 Date — YEAR 2, 2012 Signature of inventor	Hazuhiro) Ligueli Kazuhiro Higuehi
Date March 23, 2012 Signature of inventor	Sumitaka Ikeda Sumitaka Ikeda Tunki Muhatani
Date <u>Grand 2.2012</u> Signature of inventor	Sumitaka Ikeda Y.N. April 2,2012 Yuuki Nokatauji Yuuki Nakatsuji Yuuki Nakatsuji
Date Murch 23, 20/2 Signature of inventor	Masahiro Asano Masahiro Asano
Witnessed by: Yosufumi Lomida	Date March 23, 20/2
Witnessed by: Rohei motoo	Date
Witnessed by: Masy Mori	Date - prometr 0pm (16.2012
Witnessed by: Takamasa Yokota	Date March 23.2012
Witnessed by: Keyi Noda	Date
Witnessed by: Sator Sasahi	Date March 23, 20/2

PATENT REEL: 028277 FRAME: 0727

RECORDED: 05/17/2012