### 502141035 11/27/2012

### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the original electronic Cover Sheet, the 5th inventor's name is omitted, previously recorded on Reel 029190 Frame 0435.  Assignor(s) hereby confirms the Assignment.

### **CONVEYING PARTY DATA**

Name	Execution Date
Takahiro SAITO	09/19/2012
Nobuaki KOBAYASHI	09/19/2012
Hiroshi OHNO	09/24/2012
Atsushi NAKAI	09/27/2012
Yoshio OKAMOTO	09/28/2012

### **RECEIVING PARTY DATA**

Name:	HITACHI AUTOMOTIVE SYSTEMS, LTD.	
Street Address:	2520, Takaba	
Internal Address:	Hitachinaka-shi	
City:	lbaraki	
State/Country:	JAPAN	
Postal Code:	312-8503	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13660168

#### **CORRESPONDENCE DATA**

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**PATENT** 

REEL: 029361 FRAME: 0573

D \$40.00 1366016

502141035

ATTORNEY DOCKET NUMBER:	1478.52642X00
NAME OF SUBMITTER:	Paul J. Skwierawski

Total Attachments: 11

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	RDATION FORM COVER SHEET	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
(Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	PATENTS ONLY	0.5. Faterit and Trademark Office
		Attorney Docket No. 1478.52642X00
To the Honorable Commissioner of Patents an		
Name of conveying party(ies):     Takahiro SAITO     Nobuaki KOBAYASHI, Hiroshi OHNO, Atsu	Name: HITAC	ress of receiving party(ies) CHI AUTOMOTIVE SYSTEMS, LTD.
Yoshio OKAMOTO		s: 2520, Takaba, Hitachinaka-shi, Ibaraki 312-8503 Japan
Additional name(s) of conveying party(ies) attached	1? ☐ Yes ☒ No	
3. Nature of conveyance/ Execution Date: September 19, 2012; September 24, 2012; September 27, September 28, 2012.	7, 2012;	) & address(es) attached? ☐ Yes ☒ No
☐ Assignment ☐ Merger		
☐ Security Agreement ☐ Change	e of Name	
☐ Joint Research Agreement		
Government Interest Assignment		
☐ Executive Order 9424, Confirmatory License		
☑ Other. Corrected Assignment. In the original ele Sheet, the 5 <sup>th</sup> inventor's name was omitted. A copy Filing Receipt is attached. Reel 029190 Frame 043	of the Official	
Application number(s) or patent number(s):	☐ This document is b	peing filed together with a new application.
A. Patent Application No.(s)	B. Patent Regist	ration No.(s)
13/660,168		
Additio	│ onal number(s) attached ☐ Yes ⊠ No	
Name and address of party to whom correspond	dence	
concerning document should be mailed:	6. Total number of	applications and patents involved: 1
Name: ANTONELLI, TERRY, STOUT & K	RAUS, LLP	FR 3.41)\$40.00
		to be charged by credit card to be charged to deposit account
Internal Address:		
1300 NORTH 17 <sup>TH</sup> STREET – SUITE 180	☐ None requir	red (government interest not affecting title)
1300 NORTH 1/ STREET - SUITE 180	8. Payment Inform	nation:
City: ARLINGTON State: VA Zip 22209	a. Credit Card L	ast 4 numbers: Expiration date:
Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666	b. Deposit accoun	nt number: 01-2135
Email Address: email@antonelli.com	Authorized User N	lame
· · · · · · · · · · · · · · · · · · ·	DO NOT USE THIS SPACE	CITIC.
9. Statement and signature.		
To the best of my knowledge and belief, the is a true copy of the original document.	ne foregoing information is true and	l correct and any attached copy
Paul J. Skwierawski, Reg#32,173	/Paul J. Skwierawski/	11/27/2012
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments, and document: 11

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

### ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

HITACHI AUTOMOTIVE SYSTEMS, LTD.

2520, Takaba, Hitachinaka-shi,

Ibaraki 312-8503 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention

FUEL INJECTION VALVE

as set forth in his/her United States Patent Application

check one

( )	X )	executed con	currently herewith		
(	)	executed on_	· · · · · · · · · · · · · · · · · · ·		
(	)	Serial No.	Filed		

in and to said United States Patent Application including any and all divisions or continuations and Convention applications based in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not be made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and

successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or patent application and that he/she will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues, reexaminations, or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention; United States for said invention;

Each of the undersigned hereby grants the firm of ANTONELLI, TERRY, STOUT & KRAUS, LLP the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

names and signatures of inventors

Suite date 09/19/2012 W. Kobayashi date 09/19/2012

Name: Nobugki Kobayashi Name: Takahiro Saito

direst Ohno date 09/24/2012 a. Nakai

Yoshio Memoto date 1/28/20/2 Name: Yoshio Okamoto	date Name:
date	date
Name:	Name:

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Takahiro Saito	09/19/2012
Nobuaki Kobayashi	09/19/2012
Hiroshi Ohno	09/24/2012
Atsushi Nakai	09/27/2012

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Fax Number:

7033126666

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

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ARLINGTON, VIRGINIA 22209-3873

ATTORNEY DOCKET NUMBER: 1478.52642X00 NAME OF SUBMITTER: Ronald J. Shore

Total Attachments: 2

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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS POR DEA 1450 Alexandra, Viggnia 22313-1450 www.uspto.gov

APPLICATION FILING or NUMBER 371(c) DATE UNIT FIL FEE REC'D ATTY.DOCKET.NO TOT CLAIMS IND CLAIMS 13/660,168 10/25/2012 3747 1260 1478.52642X00 17 1

CONFIRMATION NO. 2789

**FILING RECEIPT** 

20457 ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-3873

\*OC00000057616631\*

Date Mailed: 11/19/2012

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s)

Takahiro SAITO, Isesaki-shi, JAPAN; Nobuaki KOBAYASHI, Maebashi-shi, JAPAN; Hiroshi OHNO, Honjyo-shi, JAPAN; Atsushi NAKAI, Isesaki-shi, JAPAN; Yoshio OKAMOTO, Omitama-shi, JAPAN;

Applicant(s)

HITACHI AUTOMOTIVE SYSTEMS, LTD., Ibaraki, JAPAN

**Assignment For Published Patent Application** 

HITACHI AUTOMOTIVE SYSTEMS, LTD., Ibaraki, JAPAN

Power of Attorney: None

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

**Foreign Applications** (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <a href="http://www.uspto.gov">http://www.uspto.gov</a> for more information.) JAPAN 2012-029347 02/14/2012

Permission to Access - A proper Authorization to Permit Access to Application by Participating Offices (PTO/SB/39 or its equivalent) has been received by the USPTO.

page 1 of 3

Request to Retrieve - This application either claims priority to one or more applications filed in an intellectual property Office that participates in the Priority Document Exchange (PDX) program or contains a proper **Request to Retrieve Electronic Priority Application(s)** (PTO/SB/38 or its equivalent). Consequently, the USPTO will attempt to electronically retrieve these priority documents.

If Required, Foreign Filing License Granted: 11/14/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention,

is US 13/660,168

Projected Publication Date: 08/15/2013

Non-Publication Request: No

Early Publication Request: No

Title

**FUEL INJECTION VALVE** 

**Preliminary Class** 

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific page 2 of 3

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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page 3 of 3

PATENT REEL: 029361 FRAME: 0581

**RECORDED: 11/27/2012**