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PATENTS ONLY

Our Ref.: 2018-1443

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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b>  1 Masashi HORI                      5 Tomoyuki KASHIWAGI 2 Shigeru YOSHIYAMA              6 KIYOSHI KIMURA 3 Masaaki SHINOJIMA 4 Haruki MATSUZAKI  Additional name/s of conveying party/ies attached? <input type="checkbox"/> <b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other  Execution Date:      July 20, 26, 26, 26, 26, and 26, 2006, respectively		<b>2. Name and address of receiving party(ies):</b>  (1) Name: DENSO CORPORATION Street Address: 1-1, Showa-cho City: Kariya-city, Aichi-pref. State/Country: Japan                      Zip: 448-8661  (2) Name: NIPPON SOKEN, INC. Street Address: 14, Iwaya, Shimohasumi-cho City: Nishio-city, Aichi-pref. State/Country: Japan                      Zip: 445-0012  Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>4. Application number(s) or patent number(s):</b> <input checked="" type="checkbox"/> This assignment is being filed together with a new application. A. Patent Application No(s). (1) To Be Assigned (2) (3) B. Patent No(s). (1) (2) (3) Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name:                      Larry S. Nixon  Internal Address: _____  Street Address: Nixon & Vanderhye P.C. 901 North Glebe Road 11th Floor City: Arlington      State: VA      Zip: 22203		<b>6. Total number of applications &amp; patents involved:</b> 1  <b>7. Total fee (37 CFR 3.41)</b> \$      40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140  <b>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</b>	
<b>DO NOT USE THIS SPACE</b>			
<b>9. Statements and signature.</b> 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.  _____ Name of Person Signing Reg. No. 25,640  _____ Signature  _____ Date August 23, 2006  Total number of pages including <b>original</b> cover sheet, attachments, and document:      [Three (3)]			

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

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**PATENT**  
**REEL: 018206 FRAME: 0945**

## ASSIGNMENT OF U.S. PATENT APPLICATION

(Inventors) Masashi Hori  
Shigeru Yoshiyama  
Masaaki Shinojima  
Haruki Matsuzaki  
Tomoyuki Kashiwagi  
Kiyoshi Kimura

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) DENSO CORPORATION a corporation of Japan

(Address) 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(Assignee) NIPPON SOKEN, INC. a corporation of Japan

(Address) 14, Iwaya, Shimohasumi-cho, Nishio-city, Aichi-pref., 445-0012 Japan

(Title) (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as **SHIFT RANGE SWITCHING APPARATUS**

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 \_\_\_\_\_ or has already filed U.S. application Serial No. \_\_\_\_\_, on \_\_\_\_\_.

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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	<u>July 20, 2006</u>	Signature of inventor	<u>Masashi Hori</u> Masashi Hori
Date	<u>July 26, 2006</u>	Signature of inventor	<u>Shigeru Yoshiyama</u> Shigeru Yoshiyama
Date	<u>July 26, 2006</u>	Signature of inventor	<u>Masaaki Shinojima</u> Masaaki Shinojima
Date	<u>July 26, 2006</u>	Signature of inventor	<u>Haruki Matsuzaki</u> Haruki Matsuzaki

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Date	<u>July 26, 2006</u>	Signature of inventor	<u>Tomoyuki Kashiwagi</u> Tomoyuki Kashiwagi
Date	<u>July 26, 2006</u>	Signature of inventor	<u>Kiyoshi Kimura</u> Kiyoshi Kimura

Date	<u>July 20, 2006</u>	Witnessed by:	<u>Kenji Takeuchi</u>
Date	<u>July 26, 2006</u>	Witnessed by:	<u>Taku Itoh</u>
Date	<u>July 26, 2006</u>	Witnessed by:	<u>Minoru Wada</u>
Date	<u>July 26, 2006</u>	Witnessed by:	<u>Shinji Takeuchi</u>
Date	<u>July 26, 2006</u>	Witnessed by:	<u>Keiji Sasaki</u>
Date	<u>July 26, 2006</u>	Witnessed by:	<u>Kenichi Aishi</u>