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To the Director of the US Patent and Trademark Office at the address(es) or the new address(es) below.

5/10/10

1. Name of conveying party(ies):

Name: **The Board of Trustees of the Leland Stanford Junior University**  
Street address: **1705 El Camino Real**  
City: **Palo Alto** State: **CA** Zip: **94306-1106** Country: **USA**  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):

Name: **Honda Motor Co., LTD**  
Street address: **1-1 Minamiaoyama 2-chome, Minato-ku**  
City: **Tokyo** State: State: Zip: **107-8556** Country: **Japan**  
Additional name(s) and address(es) attached?  Yes  No

3. Nature of conveyance/Execution Date(s):

Assignment  Joint Research Agreement  
 Security Agreement  Government Interest Assignment  
 Merger  Executive Order 9424m Confirmatory License  
 Change of Name  Other  
Execution Date(s): **05/04/2010**

4. Application or patent number(s):

A. Patent Application No.(s) **12/657198** B. Patent No.(s) C. Agent Ref No.(s) **S08-389/US**  
 This document is being filed together with a new application.  
Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:

Name: **Lumen Patent Firm**  
Street address: **350 Cambridge Ave., Suite 100**  
City: **Palo Alto** State: **CA** Zip: **94306** Country: **USA**  
Phone No.: **650-424-0100** Fax No.: **650-424-0141** Email: **admin@lumen.com**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 1.21(h) & 3.41): \$ **40**  Authorized to be charged by credit card

8. Payment information:

a. Credit Card Last 4 Numbers: **5900** Credit Card Expiration Date: **10/2012**

9. Signature:

Signature / **Ron Jacobs / Reg.No. 50,142**  
Printed Name **Ron Jacobs**  
Date **5/5/10**

Total number of pages including cover sheet, attachments and documents: **2**

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# ASSIGNMENT

WHEREAS, WE: The Board of Trustees of the Leland Stanford Junior University

Hereinafter Assignor having a place of business at 1705 El Camino Real, Palo Alto, CA 94306-1106 in the United States of America,

1) For valuable consideration, the receipt and adequacy of which are hereby acknowledged, we, the above-named Assignor sell and assign to Honda Motor Co., LTD having a place of business at 1-1 Minamiaoyama 2-chome, Minato-ku, Tokyo 107-8556, Japan, hereinafter Assignee, an equal and undivided right, title and interest in and to the invention or inventions as described in:

US 12/383467 filed 3/23/2009 (Lumen Reference: S08-024/US)  
PCT/US2009/001846 filed 3/23/2009 (Lumen Reference: S08-024/PCT)  
US 12/383584 filed 3/24/2009 (Lumen Reference: S08-027/US)  
PCT/US2009/001871 filed 3/24/2009 (Lumen Reference: S08-027/PCT)  
US 12/383588 filed 3/24/2009 (Lumen Reference: S08-029/US)  
PCT/US2009/001877 filed 3/24/2009 (Lumen Reference: S08-029/PCT)  
US 12/383587 filed 3/24/2009 (Lumen Reference: S08-030/US)  
PCT/US2009/001878 filed 3/24/2009 (Lumen Reference: S08-030/PCT)  
US 12/287721 filed 10/10/2008 (Lumen Reference: S08-198/US)  
US 12/653111 filed 12/7/2009 (Lumen Reference: S08-233/US)  
US 12/653968 filed 12/17/2009 (Lumen Reference: S08-333/US)  
US 12/657198 filed 1/15/2010 (Lumen Reference: S08-389/US)  
PCT/US2010/000113 filed 1/15/2010 (Lumen Reference: S08-0389/PCT)  
US 12/657225 filed 1/15/2010 (Lumen Reference: S08-392/US)  
PCT/US2010/000114 filed 1/15/2010 (Lumen Reference: S08-392/US)  
US 12/657580 filed 1/21/2010 (Lumen Reference: S08-437/US)  
PCT/US2010/000178 filed 1/21/2010 (Lumen Reference: S08-437/PCT)  
US 12/661778 filed 3/23/2010 (Lumen Reference: S09-069/US)  
PCT/US2010/000881 filed 3/23/2010 (Lumen Reference: S09-069/PCT)

and to any and all applications for patent and patents in any and all countries relating to said inventions, including divisions, continuations, reissues and extensions thereof, and including all domestic and foreign rights of priority from the filing of said patent applications.

2) We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment, and that at the time of execution and delivery of this assignment, we are the sole lawful owner(s) of the entire right, title and interest in and to said invention.

ASSIGNOR: The Board of Trustees of the Leland Stanford Junior University

SIGNATURE: *Katharine Ku* DATE: 05/04/2010

NAME: Katharine Ku

TITLE: Director, Office of Technology Licensing

PATENT

RECORDED: 05/10/2010

REEL: 024405 FRAME: 0604