To the Assistant Commissioner of Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
   Hiroshi UEDA,
   Yoshikane OSAKABE, and
   Takeshi SUGIYAMA

   Additional name(s) of conveying party(ies) attached?
   ☐ yes ☑ no

3. Nature of Conveyance:
   ✓ Assignment ☐ Merger
   ☐ Security Agreement ☐ Change of Names
   ☐ Other

   Execution Date: September 5, 2000

4. Application number(s) or patent number(s):
   If this document is being filed together with a new application, the execution date of the application is:

   A. Patent Application No.(s)
      09/633,336

   B. Patent No.(s)

   Additional numbers attached? ☐ Yes ☑ No

5. Name and address of party to whom correspondence concerning document should be mailed:
   SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
   2100 Pennsylvania Avenue, N.W.
   Suite 800
   Washington, D.C. 20037-3213

6. Total number of applications and registration involved:
   On (1)

7. Total Fee (37 CFR 3.41): $40.00
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   Neil B. Siegel Reg. No. 25,200 October 5, 2000 Date

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PATENT
REEL: 011212 FRAME: 0053
ASSIGNMENT

Whereas, I/We, Bridgestone Technical Center, 5-1-1, 2-cho, Kōtō-ku, Tokyo, Japan of

Bridgestone Technical Center, 5-1-1, 2-cho, Kōtō-ku, Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in

and executed an application for Letters Patent of the United States of America therefor on

September 5, 2000; and

Whereas,

assigee), desires to acquire the entire right, title and interest in the application and invention, and

to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority under
35 U.S.C. § 119, and I/we request the Commissioner of Patents to issue any Letters Patent granted
upon the invention set forth in the application to the assignee, its successors and assigns; and I/we
will execute without further consideration all papers deemed necessary by the assignee in connection
with the United States application when called upon to do so by the assignee.

Date: September 5, 2000
  /s/ Hiroshi Ueda

Date: Sep. 5, 2000 /s/ W. Matsumoto

Date: Sep. 5, 2000 /s/ T. Sugiyama

Date: /s/ 

Date: /s/ 

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

RECORDED: 10/05/2000