Form PTO-1595 (Rev. 08/05)

x Assignment

Security Agreement

A. Patent Application No.(s)

This application

JAP13 Rec'd PCT/PTO 27 JUN 2007 1/794284

U.S. DEPARTMENT OF COMMERCE 07-09-2007 ed States Patent and Trademark Office OMB No. 0651-0027 (exp. 6/30/2008) RE(To the Director of the U.S. Patent and Tra ; or the new address(es) below. 103424511 1. Name of conveying party(ies): Name and address of receiving party(ies) Masato DOURA (5/30/2007), Takeshi FUKUDA Toyo Tire & Rubber Co., Ltd. (5/30/2007), Kazuyuki OGAWA (5/30/2007), Atsushi KAZUNO (5/30/2007), Internal Address: Additional name(s) of conveying party(ies) attached? x Yes Street Address: 3. Nature of conveyance/Execution Date(s): 17-18, Edobori 1-Chome, Nishi-ku, Osaka-shi, Execution Date(s): in parentheses after inventor name Osaka 550-8661, Japan Merger Change of Name Joint Research Agreement City: _ Government Interest Assignment State: Executive Order 9424, Confirmatory License Additional name(s) & address(es) Yes attached? 4. Application or patent number(s): x This document is being filed together with a new application. B. Patent No.(s) Additional numbers attached? Yes 5. Name and address to whom correspondence 6. Total number of applications and 1 concerning document should be mailed: patents involved: Barry E. Bretschneider MORRISON & FOERSTER LLP 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Internal Address: Atty. Dkt.: 427972001000 Street Address: 1650 Tysons Blvd, Suite 400 Authorized to be charged to deposit account

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9. Signature:

Name:

22102 Zip: State: (703) 760-7743 Phone Number: (703) 760-7777 Fax Number: BBretschneider@mofo.com Email Address:

Name of Person Signing

8. Payment Information Last 4 Numbers a. Credit Card **Expiration Date** 03-1952 b. Deposit Account Number Authorized User Name Barry E. Bretschneider

None required (government interest not affecting title)

June 27, 2007 Signature Total number of pages including cover Barry E. Bretschneider - 28,055 sheet, attachments, and documents:

Enclosed

va-209343

Form PTO-1595 RECORDATION FORM COVER SHEET (continued)				
Additional Conveying	Party(ies)/Exec	ution Date(s) (1. Continued):		
Hiroshi SEYANAGI (5/30 and Tetsuo SHIMOMURA		AKAMORI (5/30/2007), Takatoshi YA	MADA (5/30/2007),	
Additional Assignees	(2. Continued):			
Assignee Name:				
Internal Address:				
Street Address:				
City:	State:	Country:	Zip:	
Assignee Name:				
Internal Address:				
Street Address:				
City:	State:	Country:	Zip:	
Assignee Name:				
Internal Address:				
Street Address:				
City:	State:	Country:	Zip:	
Additional Applications and/or Patents (4. Continued):				
Additional Patent Application Numbers 4A. Continued:		Additional Patent Numbers 4B. Continued:		
		Yes No		
	Additional numbers	attached? Yes No		

Docket No.: 427972001000

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MORRISON & FOERSTER LLP

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

TOYO TIRE & RUBBER CO., LTD., a Japanese corporation with its principal place of business at 17-18, Edobori 1-chome, Nishi-ku, Osaka-shi, Osaka 550-8661 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the title:

POLISHING PAD AND MANUFACTURING METHOD THEREOF

Attorney Docket No.:

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.:

Filing Date:

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of

PATENT

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interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

- 2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property of similar agreements.
- 3. 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.
- 4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.
- 5. The undersigned hereby grant(s) to the firm of Morrison & Foerster LLP 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 and Trademark office for recordation of this document.

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opposite the undersigned name(s). masato Doura May 30, 2007 Typed Name: Masato DOURA Date Jakeski Fukuda Typed Name: Takeshi FUKUDA May 30, 2007 Date Hayuyuki Ogawa Typed Name: Kazuyuki OGAWA May 30, 2007 Date Typed Name: Atsushi KAZUNO May 30, 2007 Date May 30, 2007 Date Masahiko Nakamori <u>May 30, 2007</u> Typed Name: Masahiko NAKAMORI Date Takatoshi (yamada Typed Name: Takatoshi YAMADA May 30, 2007 Date

IN WITNESS WHEREBY, executed by the undersigned on the date(s)

May 30, 2007 Date This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

Date May 30, 2007

RECORDED: 06/27/2007