

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Eiji TAKANO	10/21/2011
Yoshio MIYAZAWA	10/21/2011
Kazuo NEGISHI	10/21/2011
RECEIVING PARTY DATA	
Name:	Takano Co., Ltd.
Street Address:	1237 Higashikanai-cho
City:	Ota-city, Gunma
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13280058
CORRESPONDENCE DATA	
Fax Number:	(703)760-7777
Phone:	703-760-7751
Email:	skoh@mofo.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Takamitsu Fujiu
Address Line 1:	c/o Morrison & Foerster LLP
Address Line 2:	1650 Tysons Blvd, Suite 400
Address Line 4:	McLean, VIRGINIA 22102
ATTORNEY DOCKET NUMBER:	49232-20452.00
NAME OF SUBMITTER:	Takamitsu Fujiu
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PATENT
REEL: 027139 FRAME: 0906

MORRISON & FOERSTER LLP

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to:

**Takano Co., Ltd.
1237 Higashikanai-cho, Ota-city
Gunma, 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 therefore, 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:

**LUBRICATING MATERIAL AND THE METHOD
OF MANUFACTURING THE SAME**

Attorney Docket No.: 492322045200

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.: 13/280,058

Filing Date: October 24, 2011

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 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.

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

October 21, 2011
Date

EIJI TAKANO
Name: Eiji TAKANO

October 21, 2011
Date

YOSHIO MIYAZAWA
Name: Yoshio MIYAZAWA

October 21, 2011
Date

KAZUO NEGISHI
Name: Kazuo NEGISHI