

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jian Lu</td> <td>08/06/2009</td> </tr> <tr> <td>Tsuyoshi Ikehara</td> <td>08/06/2009</td> </tr> <tr> <td>Takashi Mihara</td> <td>08/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Jian Lu	08/06/2009	Tsuyoshi Ikehara	08/06/2009	Takashi Mihara	08/24/2009		
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PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12555221</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12555221						
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CORRESPONDENCE DATA											
<p>Fax Number: (216)579-6073</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2165791700</p> <p>Email: jmorrison@pearne.com</p> <p>Correspondent Name: Jeffrey J. Sopko / Pearne & Gordon LLP</p> <p>Address Line 1: 1801 East 9th Street</p> <p>Address Line 2: Suite 1200</p>											

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ATTORNEY DOCKET NUMBER:

OBA-45778

NAME OF SUBMITTER:

Jeffrey J. Sopko

Total Attachments: 2

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ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned
in

DETECTION SENSOR, VIBRATOR

(of which priority is claimed from Japanese Patent Application No.:2007-068570, filed on March 16, 2007, No.:2007-304936, filed on November 26, 2007, and PCT/JP2008/53793, filed on March 3, 2008)

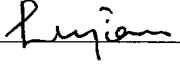
and are the subject of a patent application prepared for filing in the United States Patent and Trademark Office, and executed by the undersigned on the dates indicated below, which application is further identified as Pearne & Gordon LLP Docket No. _____.

WHEREAS, National Institute of Advanced Industrial Science and Technology, having a place of business at 3-1 Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 Japan, and Olympus Corporation, a corporation of Japan, having a place of business at 43-2, Hatagaya 2-chome, Shibuya-ku, Tokyo 151-0072 Japan, hereinafter referred to as "assignees", are desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee(s), its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's/assignees' request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee(s), its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee(s) as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee(s) as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Pearne & Gordon 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.

This assignment has been executed below by the undersigned:

- (1) Inventor Name: Jian LU
Signature: 
Today's Date: Aug. 6, 2009
Date I Signed Declaration: Aug. 6, 2009
- (2) Inventor Name: Tsuyoshi IKEHARA
Signature: T-Ikehara
Today's Date: 2009 Aug. 6
Date I Signed Declaration: 2009 Aug. 6
- (3) Inventor Name: Takashi MIHARA
Signature: Takashi Mihara
Today's Date: 2009 Aug. 24
Date I Signed Declaration: 2009 Aug. 24