

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Takuma TAKANASHI</td> <td>12/06/2011</td> </tr> <tr> <td>Wakako OHMURA</td> <td>12/06/2011</td> </tr> <tr> <td>Eiji OHYA</td> <td>12/06/2011</td> </tr> <tr> <td>Yoshitaka KUBOJIMA</td> <td>12/06/2011</td> </tr> <tr> <td>Teruo MORI</td> <td>12/06/2011</td> </tr> <tr> <td>Takuji KOIKE</td> <td>12/06/2011</td> </tr> <tr> <td>Hiroshi NISHINO</td> <td>12/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Takuma TAKANASHI	12/06/2011	Wakako OHMURA	12/06/2011	Eiji OHYA	12/06/2011	Yoshitaka KUBOJIMA	12/06/2011	Teruo MORI	12/06/2011	Takuji KOIKE	12/06/2011	Hiroshi NISHINO	12/13/2011
Name	Execution Date																
Takuma TAKANASHI	12/06/2011																
Wakako OHMURA	12/06/2011																
Eiji OHYA	12/06/2011																
Yoshitaka KUBOJIMA	12/06/2011																
Teruo MORI	12/06/2011																
Takuji KOIKE	12/06/2011																
Hiroshi NISHINO	12/13/2011																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>Forest Products Research Institute</td> </tr> <tr> <td>Street Address:</td> <td>1 Matsunosato, Tsukuba-shi,</td> </tr> <tr> <td>City:</td> <td>Ibaraki</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Forest Products Research Institute	Street Address:	1 Matsunosato, Tsukuba-shi,	City:	Ibaraki	State/Country:	JAPAN								
Name:	Forest Products Research Institute																
Street Address:	1 Matsunosato, Tsukuba-shi,																
City:	Ibaraki																
State/Country:	JAPAN																
<table border="1"> <tr> <td>Name:</td> <td>THE UNIVERSITY OF ELECTRO-COMMUNICATIONS</td> </tr> <tr> <td>Street Address:</td> <td>1-5-1, Choufugaoka, Choufu-shi,</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>182-8585</td> </tr> </table>		Name:	THE UNIVERSITY OF ELECTRO-COMMUNICATIONS	Street Address:	1-5-1, Choufugaoka, Choufu-shi,	City:	Tokyo	State/Country:	JAPAN	Postal Code:	182-8585						
Name:	THE UNIVERSITY OF ELECTRO-COMMUNICATIONS																
Street Address:	1-5-1, Choufugaoka, Choufu-shi,																
City:	Tokyo																
State/Country:	JAPAN																
Postal Code:	182-8585																
<table border="1"> <tr> <td>Name:</td> <td>NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>Kita 8-ryo Nishi 5-chome, Kita-ku,</td> </tr> <tr> <td>City:</td> <td>Sapporo-shi, Hokkaido</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>060-0808</td> </tr> </table>		Name:	NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY	Street Address:	Kita 8-ryo Nishi 5-chome, Kita-ku,	City:	Sapporo-shi, Hokkaido	State/Country:	JAPAN	Postal Code:	060-0808						
Name:	NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY																
Street Address:	Kita 8-ryo Nishi 5-chome, Kita-ku,																
City:	Sapporo-shi, Hokkaido																
State/Country:	JAPAN																
Postal Code:	060-0808																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		Property Type	Number														
Property Type	Number																

OP \$40.00 13394892

Application Number:	13394892
---------------------	----------

CORRESPONDENCE DATA

Fax Number: (703)312-6666

Phone: 703-312-6600

Email: svannarath@antonelli.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Address Line 1: 1300 NORTH SEVENTEENTH STREET

Address Line 2: SUITE 1800

Address Line 4: ARLINGTON, VIRGINIA 22209-3873

ATTORNEY DOCKET NUMBER:	500.52304X00
-------------------------	--------------

NAME OF SUBMITTER:	Alan E. Schiavelli
--------------------	--------------------

Total Attachments: 2

source=52304X00ASN#page1.tif

source=52304X00ASN#page2.tif

ASSIGNMENT

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Forestry and Forest Products Research Institute, a national institute organized under the laws of Japan, located at 1 Matsunosato, Tsukuba-shi, Ibaraki, Japan, THE UNIVERSITY OF ELECTRO-COMMUNICATIONS, a national university corporation organized under the laws of Japan, located at 1-5-1, Choufugaoka, Choufu-shi, Tokyo, 182-8585 Japan, and NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, a national university corporation organized under the laws of Japan, located at Kita 8-jyo Nishi 5-chome, Kita-ku, Sapporo-shi, Hokkaido, 060-0808, Japan, respectively, receipt of which is hereby acknowledged I do hereby sell and assign to said Forestry and Forest Products Research Institute, THE UNIVERSITY OF ELECTRO-COMMUNICATIONS and NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

METHOD FOR CONTROLLING INSECT PEST BY VIBRATION

* PCT International Application Number PCT/JP2010/065398 filed on September 8, 2010

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith,

and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Forestry and Forest Products Research Institute, THE UNIVERSITY OF ELECTRO-COMMUNICATIONS and NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Forestry and Forest Products Research Institute, THE UNIVERSITY OF ELECTRO-COMMUNICATIONS and NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

Date Signed

(発明者フルネームサイン)

(署名日)

1)	<u>Takuma Takanashi</u> Takuma TAKANASHI	<u>December 6, 2011</u>
2)	<u>Wakako Ohmura</u> Wakako OHMURA	<u>December 6, 2011</u>
3)	<u>Eiji Ohya</u> Eiji OHYA	<u>December 6, 2011</u>
4)	<u>Yoshitaka Kubojima</u> Yoshitaka KUBOJIMA	<u>December 6, 2011</u>

- 5) Teruo Mori December 6, 2011
Teruo MORI
- 6) Takuji Koike December 6, 2011
Takuji KOIKE
- 7) Hiroshi Nishino December 13, 2011
Hiroshi NISHINO
- 8) ~~Hiroshi Nishino~~ H.N. Dec. 13 ~~December 13, 2011~~ H.N. Dec. 13
- 9) _____