

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5114878

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MASAHIKO ANDO	02/26/2018
SANATO NAGATA	02/26/2018
SHIRUN HO	06/29/2018
YUJI SUWA	02/26/2018
MITSU HARU TAI	02/27/2018
KENZO KUROT SUCHI	02/26/2018
HIROMASA TAKAHASHI	02/27/2018
NORIFUMI KAMESHIRO	02/27/2018
SEIICHI SUZUKI	06/29/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HITACHI, LTD.
<b>Street Address:</b>	6-6, MARUNOUCHI 1-CHOME
<b>City:</b>	CHIYODA-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	100-8280
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15760777
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(619)235-0398
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	6192381900
<b>Email:</b>	docketing@procopio.com
<b>Correspondent Name:</b>	PROCOPIO, CORY, HARGREAVES & SAVITCH LLP
<b>Address Line 1:</b>	525 B STREET
<b>Address Line 2:</b>	SUITE 2200
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92101
<b>ATTORNEY DOCKET NUMBER:</b>	126063-002US1
<b>NAME OF SUBMITTER:</b>	JESSICA R. GROSS

PATENT

<b>SIGNATURE:</b>	/Jessica R. Gross/
<b>DATE SIGNED:</b>	08/28/2018
<b>Total Attachments: 7</b> source=126063-002US1_Assignment#page1.tif source=126063-002US1_Assignment#page2.tif source=126063-002US1_Assignment#page3.tif source=126063-002US1_Assignment#page4.tif source=126063-002US1_Assignment#page5.tif source=126063-002US1_Assignment#page6.tif source=126063-002US1_Assignment#page7.tif	

**ASSIGNMENT**  
( 譲渡証 )

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 HITACHI, LTD.,  
a corporation organized under the laws of Japan,  
located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280, Japan,  
receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD.,  
its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

**ARTIFICIAL OLFACTORY SENSING SYSTEM**

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 HITACHI, LTD.,

its 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 HITACHI, LTD.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Masahiko Ando</u> (Masahiko ANDO)	<u>2018/2/26</u>
2) <u>Sanato Nagata</u> (Sanato NAGATA)	<u>2018/2/26</u>
3) _____ (Shirun HO)	_____
4) _____ (Yuji SUWA)	_____
5) _____ (Mitsuharu TAI)	_____
6) _____ (Kenzo KUROTSUCHI)	_____
7) _____ (Hiromasa TAKAHASHI)	_____
8) <u>Norifumi Kameshiro</u> (Norifumi KAMESHIRO)	<u>2018 / 2 / 27</u>
9) _____ (Seiichi SUZUKI)	_____

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INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) _____ (Masahiko ANDO)	_____
2) _____ (Sanato NAGATA)	_____
3) <u>Shirun Ho</u> _____ (Shirun HO)	<u>6/29/2018</u>
4) _____ (Yuji SUWA)	_____
5) _____ (Mitsuharu TAI)	_____
6) _____ (Kenzo KUROTSUCHI)	_____
7) _____ (Hiromasa TAKAHASHI)	_____
8) _____ (Norifumi KAMESHIRO)	_____
9) _____ (Seiichi SUZUKI)	_____

PATENT

REEL: 046731 FRAME: 0316

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1) _____ (Masahiko ANDO)	_____
2) _____ (Sanato NAGATA)	_____
3) _____ (Shirun HO)	_____
4) <u>Yuji Suwa</u> (Yuji SUWA)	<u>February 26, 2018</u>
5) _____ (Mitsuharu TAI)	_____
6) _____ (Kenzo KUROTSUCHI)	_____
7) _____ (Hiromasa TAKAHASHI)	_____
8) _____ (Norifumi KAMESHIRO)	_____
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1) _____ (Masahiko ANDO)	_____
2) _____ (Sanato NAGATA)	_____
3) _____ (Shirun HO)	_____
4) _____ (Yuji SUWA)	_____
5) <u>Mitsuharu Tai</u> (Mitsuharu TAI)	<u>2/27/2018</u>
6) _____ (Kenzo KUROTSUCHI)	_____
7) _____ (Hiromasa TAKAHASHI)	_____
8) _____ (Norifumi KAMESHIRO)	_____
9) _____ (Seiichi SUZUKI)	_____

PATENT

REEL: 046731 FRAME: 0318

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4) _____ (Yuji SUWA)	_____
5) _____ (Mitsuharu TAI)	_____
6) <u>Kenzo Kurotsuchi</u> (Kenzo KUROTSUCHI)	<u>February 26, 2018</u>
7) _____ (Hiromasa TAKAHASHI)	_____
8) _____ (Norifumi KAMESHIRO)	_____
9) _____ (Seiichi SUZUKI)	_____

PATENT

REEL: 046731 FRAME: 0319

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4) _____ (Yuji SUWA)	_____
5) _____ (Mitsuharu TAI)	_____
6) _____ (Kenzo KUROTSUCHI)	_____
7) <u>Hiromasa Takahashi</u> (Hiromasa TAKAHASHI)	<u>27 / Feb. / 2018</u>
8) _____ (Norifumi KAMESHIRO)	_____
9) _____ (Seiichi SUZUKI)	_____



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5) _____ (Mitsuharu TAI)	_____
6) _____ (Kenzo KUROTSUCHI)	_____
7) _____ (Hiromasa TAKAHASHI)	_____
8) _____ (Norifumi KAMESHIRO)	_____
9) <u>Seiichi SUZUKI</u> (Seiichi SUZUKI)	<u>June 29, 2018.</u>

PATENT