03/01/2017 504250525

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kei ANDO	02/02/2017
Naoki ISHIGURO	02/02/2017
Shiro IMAGAMA	02/02/2017
Zenya ITO	02/02/2017
Yasuhiro YOKOYAMA	01/26/2017
Hidenori YOKOI	01/25/2017
Yusuke NAGAI	01/25/2017

RECEIVING PARTY DATA

Name:	National University Corporation Nagoya University			
Street Address: 1, Furo-cho, Chikusa-ku				
City: Nagoya-shi, Aichi				
State/Country:	JAPAN			
Postal Code: 464-8601				
Name:	Menicon Co., Ltd.			
Street Address:	3-21-19, Aoi, Naka-ku			
City:	Nagoya-shi, Aichi			
State/Country:	JAPAN			
Postal Code:	460-0006			

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15317569		

CORRESPONDENCE DATA

Fax Number: (703)836-2787

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.

Phone: 703-836-6400 Email: email@oliff.com **Correspondent Name:** JAMES A. OLIFF Address Line 1: **OLIFF PLC** Address Line 2: P.O. BOX 320850

REEL: 041421 FRAME: 0864 504250525

PATENT -

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850				
ATTORNEY DOCKET NUMBER:	174150			
NAME OF SUBMITTER:	ANNALYNN H. STEIN			
SIGNATURE:	/Annalynn H. Stein/ R. Brian Drozd			
DATE SIGNED:	03/01/2017			
	This document serves as an Oath/Declaration (37 CFR 1.63).			
Total Attachments: 4				
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source=4758748_1#page3.tif				
source=4758748_1#page4.tif				

PATENT REEL: 041421 FRAME: 0865

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

(Two Assignees)

		(1)		(2)			
(1-8)	Legal Name(s)	(3)	Shiro IMAGAMA	(4)	Zenya ITO		
	of Inventor(s)	(5)	Yasuhiro YOKOYAMA	(6)	Hidenori YOKOI		
		(7)	Yusuke NAGAI	(8)			
		the under		of which are l	r good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to		
(9A)	Insert Name of First Assignee	(9A)	NATIONAL UNIVERSITY CO	ORPORATION	NAGOYA UNIVERSITY		
(10A)	Insert Address of First Assignee	(10A)	1, Furo-cho, Chikusa-ku, Nago	ya-shi, Aichi 4	64-8601, JAPAN		
(9B)	Insert Name of Second Assignee		MENICON CO., LTD.				
(10B) Insert Address of Second Assignee		(10B)	3-21-19, Aoi, Naka-ku, Nagoya-shi, Aichi 460-0006, JAPAN				
		the entire invention continua	e right, title and interest for the Un n, and in all applications for patent	ited States of A including any eissue applicat	neirs, successors, assigns and legal representatives, America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as		
(11)	Insert Identification such as Title, Case Number, or Foreign	(11)	BONE FORMATION PROMOTI	ER	· · · · · · · · · · · · · · · · · · ·		
	Application Number	(Attorne	by Docket No. 174150), fi	led on even date herewith or as		
(12)	Alternative	(12)	U.S. Application Number				
	Identification for filed applications	filed					

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patents for the invention and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

 3) Each undersigned agrees 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 or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignees, as Assignees of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that 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.

(13)Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	2017/2/2	Inventor Signature	Kei Ando	(SEAL)
Date	2017/2/2	Inventor Signature	NAOKA Zshiguro	(SEAL)
Date	2017/2/2	Inventor Signature	Shord Amagana	(SEAL)
Date	2017/2/2	Inventor Signature	Zenya 170	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date .		Inventor Signature		(SEAL)
neither,	This assignment should preferably be signed then it should be signed before at least two wi	before: (a) a Notary Pub tnesses who also sign he	die if within the U.S.A. (b) a U.S. Consul if outside the	ne U.S.A. If
Date	2017/2/7	Witness _	Hajime Kawakami	
Date	2017/2/7	Witness	Janyoshi Kashimoto	

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

(Two Assignees)

	Insert	(1)	Kei ANDO	(2)	Naoki ISHIGURO
(1-8)	Legal Name(s)	(3)	Shiro IMAGAMA	(4)	Zenya ITO
	of Inventor(s)	(5)	Yasuhiro YOKOYAMA	(6)	Hidenori YOKOI
		(7)	Yusuke NAGAI	(8)	
		the unde		y of which are I	r good and valuable consideration paid to each of tereby acknowledged, each undersigned agrees to
(9A)	Insert Name of First Assignee	(9A)	NATIONAL UNIVERSITY C	ORPORATION	I NAGOYA UNIVERSITY
(10A)	Insert Address of First Assignee	(10A)	1, Furo-cho, Chikusa-ku, Nago	ya-shi, Aichi 4	64-8601, JAPAN
(9B)	Insert Name of Second Assignee	(9B)	MENICON CO., LTD.		
(10B)	Insert Address of Second Assignee	(10B) 3-21-19, Aoi, Naka-ku, Nagoya-shi, Aichi 460-0006, JAPAN			
		the entire invention continua	e right, title and interest for the Un n, and in all applications for patent	nited States of A t including any reissue applicati	neirs, successors, assigns and legal representatives, america as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, ion(s), and all Letters Patent, extensions, reissues invention known as
(11)	Insert Identification such as Title, Case	(11)	BONE FORMATION PROMOT	ER	
	Number, or Foreign Application Number	(Attorne	ey Docket No. 174150), fil	led on even date herewith or as
(12)	Alternative	(12)	U.S. Application Number		
	Identification for				
	filed applications	filed			

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- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patents for the invention and to cooperate with the Assignces in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.
- 3) Each undersigned agrees 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 or similar agreements.

 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignees, as Assignees of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
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As an above named inventor, I hereby declare that:

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	January 25, 2017	Inventor Signature Widenori Yok	
Date	January 25, 2017	Inventor Signature Mashi	(SEAL)
Date	January 26. 2017	Inventor Signature Junior	(SEAL)
Date		Inventor Signature	(SEAL)
Date		Inventor Signature	(SEAL)
Date		Inventor Signature	(SEAL)
Date		Inventor Signature	(SEAL)
Date		Inventor Signature	(SEAL)
neither	This assignment should preferably be sign, then it should be signed before at least two	ed before; (a) a Notary Public if within the U.S.A. (b) a U.S. Consul witnesses who also sign here:	if outside the U.S.A. If
Date	January 30. 2017.	Witness <u>Shqoyasu</u> Pragai	
Date	January 26. 2017	Witness Satomu N17da	