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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY	ΟΑΤΑ			
			Name	Execution Date
KOSUKE MACHIDA				03/27/2019
RECEIVING PARTY D	ΑΤΑ			
Name:		NIKON CORPORATION		
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State/Country:	JAPAN	JAPAN		
Postal Code:	108-62	108-6290		
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PROPERTY NUMBER	S Total: ⁻	I		
Property Type			Number	
Application Number: 163		1633	38716	
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NAME OF SUBMITTER:		MITCHELL W. SHAPIRO, REG. NO. 31,568		
SIGNATURE:		/Mitchell W. Shapiro/		
SIGNATURE:	DATE SIGNED:		04/02/2019	
			104/02/2019	
DATE SIGNED:			04/02/2019	
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COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION

DECLARATION

As a below-named inventor, I hereby declare that:

This Declaration is directed to:

the attached application,

OR

United States Application No. or PCT International Application

No. <u>PCT/JP2017/038279</u>, filed on <u>October 24, 2017</u>, and was amended on ____

for the invention entitled VARIABLE MAGNIFICATION OPTICAL SYSTEM, OPTICAL

EQUIPMENT, IMAGING EQUIPMENT AND METHOD FOR MANUFACTURING VARIABLE

MAGNIFICATION OPTICAL SYSTEM.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

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.

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, paid to me by <u>NIKON CORPORATION</u> ("ASSIGNEE"), a corporation or other business entity duly organized under the laws of <u>Japan</u>, whose postal address is <u>15-3</u>, Konan 2-chome, Minato-ku, Tokyo 108-6290 Japan,

I do hereby sell, assign, and transfer to ASSIGNEE, its successors, legal representatives, and assigns, all my right, title and interest, in the United States of America, in and to the aboveentitled invention and the above-identified application, all applications claiming the benefit of the above-identified application, including but not limited to all divisions and continuations, all United States Letters Patent which may be granted for the invention, and any reissues or extensions thereof, to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns, to the full end of term for which said Letters Patent may be **PATENT**

REEL: 048763 FRAME: 0213



granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made;

AND I further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States of America, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

And I do hereby authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment.

(1) Full name of sole or first inventor:	Kosuke MACHIDA					
Date: 27 March, 2019	Signature: Kosuke MACHIDA					
Citizenship: JAPAN	Residence: Tokyo, Japan					
Post Office Address: <u>c/o NIKON CORPORATION, 15-3, Konan 2-chome, Minato-ku,</u> Tokyo 108-6290 Japan						

PATENT REEL: 048763 FRAME: 0214

RECORDED: 04/02/2019