505782743 11/20/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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YUICHI AKATSUKA	10/24/2019
DAISHI TAKATA	10/27/2019

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16612102

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	JOHN C. GARVEY 28,607
SIGNATURE:	/John C. Garvey/
DATE SIGNED:	11/20/2019

Total Attachments: 3

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> **PATENT REEL: 051061 FRAME: 0110** 505782743

U.S. ASSIGNMENT

\$201.008

IN CONSIDERATION of good and valuable consideration provided to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(insert Name(s) & Address(es) of ASS(GNEE(S))

UNIVERSITY OF FUKUI 3-9-1 Bunkyo Fukui-shi, Fukui 910-8507 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

Three-Dimensional Measurement Method Using Feature Amounts and Device Using the Method

relating to International Patent Application PCT/2018/017592 and/or for which application for Letters Patent of the United States of America was executed on even date herewith or, if not so executed, was:

(a)	executed on ((Insert date of execution of application, if not concurrent)

(b) filed on.,

Serial No.

Any registered attorney or patent agent of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States of America and of any and all other countries granted on said invention and/or on said application and any rights of priority, extension, continuation, division, renewal, substitute, reissue, reviews (including inter partes review, post grant review and covered business method review), supplemental examination, interference, or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention in the United States of America and in any and all other countries, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), and in any rights of priority, extension, continuation, division, renewal, substitute, reissue, reviews, supplemental examination, interference, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

	NWITNESS WHEREOF, the undersigned inver (Typed Name & Signature of Inventor(s))	ntor(s) has (have) affixed his (Date)	a/her/their signature(s). (Typed Name & Signature of Witness(es),
1)	MetokaruJrylgaki FUJIGAKI, Motohare	Oct. 24, 20/9	Mitsuo Suraishi
* F. desi	FUJIGAKI, Motoharu ^{A - V}	<u> </u>	Mitsuo Shiraishi
2) ,	AKATSUKA, Yuichi	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
3)	TAKATA, Daishi	***************************************	
4) 📖		umaniminan mananan mananan (
5)			
6)			

U.S. ASSIGNMENT

IN CONSIDERATION of good and valuable consideration provided to the undersigned inventor(s) (hereinafter. "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

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3-8-1 Bunkyo

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Japan

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(b) filed on ;	Any registered attorney or patent egent of STARS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005
Serial No	(202/434-1500) is hereby authorized to insert in (b) the specified deta, when known.

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The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention in the United States of America and in any and all other countries, including in the preparation and prosecution of said application(s) and the issuance of said Letters Paters(s), and in any rights of priority, extension, continuation, division, remewal, substitute, reissue, reviews, supplemental examination, interference, reexamination, or public use proceeding, and in any illigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful daths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s)

(Typed Name & Signature of Invertion(s))

(Dafe) (Typed Name & Signature of Witness(es))

PATENT REEL: 051061 FRAME: 0112

U.S. ASSIGNMENT

IN CONSIDERATION of good and valuable consideration provided to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (insert Name(s) & Address(es) of ASSIGNEE(S)) UNIVERSITY OF FUKUI 3-9-1 Bunkyo Fukul-shi, Fukui 910-8507 Japan (harmination, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention) Three-Dimensional Measurement Method Using Feature Amounts and Device Using the Method relating to International Patent Application PCT/2018/017592 and/or for which application for Letters Patent of the United States of America was executed on even date herewith or, if not so executed, was (a) executed on ; (Insert date of execution of application, if not concurrent) (b) filed on, Any registered efformey or patent agent of STAAS & HALSEY U.S. 1201 New York Avenue. N.W., Suite 700 Washington, D.C. 2000S Senal No (202/434-1500) is hereby authorized to insert in (b) the specified data, when known and to said application and all Letters Patent(s) of the United States of America and of any and all other countries granted on said invention and/or on sent application and any rights of priority, extension, continuation, division, renewal, substitute, reissua, reviews (including inter parties review, goal grant review and covered business mathod review), supplemental examination, interference, or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Littlers Palent(s)") The ASSIGNICR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, in do at acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention in the United States of America and in any and all other countings, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), and in any rights of protection and prosecution and prosecution of said application(s) and the issuance of said Letters Patent(s), and in any order to the expension of said application of said application (s) and the issuance of said Letters Patent(s). division, transval, substitute, ressue, receives, supplemental examination, interference, reasonination, or public use proceeding, and in any filigation or other legal proceeding which may also or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful caths, providing sworn testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their significance(s). (Typed Name & Signature of Inventor(s)) (i)stel (Typed Name & Signature of Witness(es)) 1) FUJIGAKI, Motoharu AKATSUKA, Yuichi Dolski Talerton

> PATENT REEL: 051061 FRAME: 0113

RECORDED: 11/20/2019