#### 505622835 08/15/2019

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5669637

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
AHMED TAHA	01/18/2019
YI-TING CHEN	01/18/2019
TERUHISA MISU	01/18/2019
LARRY DAVIS	08/07/2019

#### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16254344

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ATTORNEY DOCKET NUMBER:	037110.01387
NAME OF SUBMITTER:	JULIANA I. HAYDOUTOVA
SIGNATURE:	/Juliana I. Haydoutova/
DATE SIGNED:	08/15/2019

#### **Total Attachments: 4**

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PATENT 505622835 REEL: 050059 FRAME: 0849

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PATENT REEL: 050059 FRAME: 0850

Docket No. 037110.01387 / H1182976US01

## WORLDWIDE ASSIGNMENT

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

# HONDA MOTOR CO., LTD. 1-1 Minami-Aoyama 2-Chome, Minato-ku Tokyo, Japan 107-8556

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR agrees to and hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention titled

#### METHODS AND SYSTEMS FOR VISUAL RECOGNITION USING TRIPLET LOSS

[\*If the assignment is being filed after the filing of the application, this section must be

ITitle of

Invention]

completed]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on January 22, 2019 Serial No. 16/254,344

(Arent Fox LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States and its territorial possessions and in any and all foreign countries to be obtained therefor on said application or any continuation, divisional, continuation-in-part, renewal, substitute, reissue or reexamination thereof, and any other applications claiming priority thereto, including future inventions or improvements, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, continuation-in-part, reissue or reexamination applications thereof and any other applications claiming priority thereto, including future inventions or improvements, also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, continuation-in-part, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon, and any other applications claiming priority thereto, including future inventions or improvements, and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

PATENT REEL: 050059 FRAME: 0851

### Docket No. 037110.01387 / H1182976US01

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

Signature(s)	Ahmed take	Ahmed TAHA	18 Jan 2019
of Assignor(s)]	(SIGNATURE)	(TYPE NAME)	(DATE)
	(SIGNATURE)	Yi-Ting CHEN (TYPE NAME)	(DATE)
		Teruhisa MISU	
	(SIGNATURE)	(TYPE NAME)	(DATE)
	(SIGNATURE)	Larry DAVIS (TYPE NAME)	(DATE)

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Docket No.	02/110.01201	LUTTOSSI	COOUT

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

[Signature(s) of Assignor(s)]

(SIGNATURE)

Ahmed TAHA
(TYPE NAME)

(DATE)

Yi-Ting CHEN
(TYPE NAME)

(DATE)

Teruhisa MISU
(SIGNATURE)

(TYPE NAME)

(DATE)

Larry DAVIS
(SIGNATURE)

(DATE)

Docket No. 037110.01387 / H1182976US01

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

[Signature(s)	Ahmed TAHA		
of Assignor(s)]	(SIGNATURE)	(TYPE NAME)	(DATE)
		Yi-Ting CHEN	
	(SIGNATURE)	(TYPE NAME)	(DATE)
	,	Teruhisa MISU	
	(SIGNATURE) Javes	(TYPE NAME)	(DATE)
	Loy P.	Larry DAVIS	August 7, 2019
	(SIGNATURE)	(TYPE NAME)	(DATE)