503242080 03/30/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hiroaki YAMASHITA	03/23/2015
Goro ASAI	03/23/2015
Makoto NISHIDA	03/23/2015
Yohei SATOMI	03/23/2015
Masaaki AMANO	03/23/2015
Yuka SHIDOCHI	03/23/2015

RECEIVING PARTY DATA

Name:	Toyota Jidosha Kabushiki Kaisha
Street Address:	1, Toyota-cho
City:	Toyota-shi, Aichi-ken
State/Country:	Japan
Postal Code:	471-8571

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	14672972		

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 JAMES A. OLIFF **Correspondent Name:** Address Line 1: **OLIFF PLC**

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 165694 NAME OF SUBMITTER: SARAH CHOI **SIGNATURE:** /Sarah Choi/ **DATE SIGNED:** 03/30/2015

PATENT REEL: 035288 FRAME: 0552 503242080

Total Attachments: 1

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PATENT REEL: 035288 FRAME: 0553

ASSIGNMENT

	Insert	(1)	Hiroaki YAMASHITA	(2)	Goro ASAI	
(1-8)	Legal Name(s)	(3)	Makoto NISHIDA	(4)	Yohei SATOMI	
	of Inventor(s)	(5)	Masaaki AMANO	(6)	Yuka SHIDOCHI	
		(7)		(8)		
(0)	Insert Name of	the uncassign,	dersigned, the receipt and sufficien , and hereby does assign, transfer a	cy of which are I and set over to	or good and valuable consideration paid to each of the hereby acknowledged, each undersigned agrees to	
(9)	Assignee Insert Address of	(9) TOYOTA JIDOSHA KABUSHIKI KAISHA				
(10)	Assignee	(10)	(10) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan			
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as				
(11) .	Insert Identification such as Title, Case	(11)	VIDEO DISPLAY A	PPARATU	JS, VIDEO SWITCHING	
	Number, or Foreign Application Number		APPARATUS, AND	VIDEO D	ISPLAY METHOD	
		(Attor	ney Docket No. 165694),	filed on even date herewith or as	
(12)	Alternative	(12)	U.S. Application Number 14/0	672,972		
	Identification for filed applications	filed	March 30, 2015			

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 Assignee 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 patent for the invention and to cooperate with the Assignee 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 Assignee.

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 Assignee, as Assignee 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.

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

Date	March 23, 2015	Inventor Signature	Hirvaki Yamashita Hirvaki YAMASHITA	(SEAL)
Date	March 23, 2015	Inventor Signature	Gora ASAI mases to nichida	(SEAL)
Date	March 23, 2015	Inventor Signature	Makoto NISHIDA March 23, 2019	(SEAL)
Date	March 23, 2015	Inventor Signature	John Datom Yohei SATOMI	(SEAL)
Date	March 23, 2015	Inventor Signature	Masaaki Amano Masaaki AMANO	(SEAL)
Date	March 23, 2015	Inventor Signature	Julea Shidochi Yuka SHIDOCHI	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

PATENT REEL: 035288 FRAME: 0554

RECORDED: 03/30/2015