



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 86 32 27

Classification of the application (IPC):

G06T 19/00, G06T 19/20, G09G 5/00, G09G 5/02, G09G 5/10, H04N 21/237, H04N 21/431

Technical fields searched (IPC):

H04N, G06F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	US 2012249741 A1 (MACIOCCI GIULIANO [GB] ET AL) 04 October 2012 (2012-10-04) * paragraph [0005] - paragraph [0168] * * figures 5A, 5B *	1, 3 4, 5, 11-15
X	US 2014055352 A1 (DAVIS BRYAN JONATHAN [US] ET AL) 27 February 2014 (2014-02-27) * paragraph [0130] * * figure 9B *	6, 7
A	US 2015170418 A1 (FLYNN JOHN [US] ET AL) 18 June 2015 (2015-06-18) * paragraph [0024] - paragraph [0038] * * figures 2A, 2B *	1-7
A	US 2015154940 A1 (WEAVER JOSHUA [US] ET AL) 04 June 2015 (2015-06-04) * paragraph [0068] * * figure 5 *	1-7
Y A	US 2012306919 A1 (SUZUKI SEIJI [JP] ET AL) 06 December 2012 (2012-12-06) * paragraph [0009] - paragraph [0017] * * figure 1 *	4 1
Y A	WO 2015027286 A1 (UNIV SOUTH AUSTRALIA [AU]) 05 March 2015 (2015-03-05) * paragraph [0049] * * figure 1 *	5 1
Y	WO 2013188749 A1 (MUZIK LLC [US]) 19 December 2013 (2013-12-19) * page 1, line 1 - page 8, line 18 * * figures 1-3 *	11-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 18 November 2020	Examiner Etienne, Christophe
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-7

Head mounted system for projecting augmented image onto a surface

2. claims: 8-10

Head mounted system comprising a headphone apparatus with a coupled touch input sensor to send commands to a portable electronic device.

3. claims: 11-15

Head Mounted system comprising a headphone configured to send command to a portable electronic device when touch inputs on the headphone are recognized.

Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims: 11-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 18 November 2020	Examiner Etienne, Christophe
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& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 2012249741	A1	04-10-2012	CN 103460255 A	18-12-2013
			CN 103460256 A	18-12-2013
			CN 103493106 A	01-01-2014
			CN 103562968 A	05-02-2014
			EP 2691935 A1	05-02-2014
			EP 2691936 A1	05-02-2014
			EP 2691937 A1	05-02-2014
			EP 2691938 A1	05-02-2014
			EP 3654146 A1	20-05-2020
			EP 3654147 A1	20-05-2020
			JP 5784213 B2	24-09-2015
			JP 5784818 B2	24-09-2015
			JP 5960796 B2	02-08-2016
			JP 6126076 B2	10-05-2017
			JP 2014514652 A	19-06-2014
			JP 2014514653 A	19-06-2014
			JP 2014515854 A	03-07-2014
			JP 2014518596 A	31-07-2014
			JP 2015228256 A	17-12-2015
			KR 20130136566 A	12-12-2013
			KR 20130136569 A	12-12-2013
			KR 20130137692 A	17-12-2013
			KR 20160017130 A	15-02-2016
			KR 20160084502 A	13-07-2016
			US 2012249416 A1	04-10-2012
			US 2012249544 A1	04-10-2012
			US 2012249590 A1	04-10-2012
			US 2012249591 A1	04-10-2012
			US 2012249741 A1	04-10-2012
			WO 2012135545 A1	04-10-2012
WO 2012135546 A1	04-10-2012			
WO 2012135547 A1	04-10-2012			
WO 2012135553 A1	04-10-2012			
WO 2012135554 A1	04-10-2012			
US 2014055352	A1	27-02-2014	CN 105027030 A	04-11-2015
			CN 109799900 A	24-05-2019
			EP 2915025 A1	09-09-2015
			JP 6155448 B2	05-07-2017
			JP 2016508241 A	17-03-2016
			KR 20150099510 A	31-08-2015
			KR 20170003713 A	09-01-2017
			US 2014055352 A1	27-02-2014
			US 2018129284 A1	10-05-2018
			WO 2014071254 A1	08-05-2014



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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2015170418 A1	18-06-2015	NONE	
US 2015154940 A1	04-06-2015	US 8952869 B1 US 2015154940 A1	10-02-2015 04-06-2015
US 2012306919 A1	06-12-2012	CN 102982525 A JP 2012253483 A US 2012306919 A1	20-03-2013 20-12-2012 06-12-2012
WO2015027286 A1	05-03-2015	NONE	
WO2013188749 A1	19-12-2013	EP 2862039 A1 EP 2862044 A1 US 2013339850 A1 US 2013339859 A1 US 2016103511 A1 US 2016269523 A1 US 2018338024 A1 US 2020252495 A1 WO 2013188749 A1 WO 2013188769 A1	22-04-2015 22-04-2015 19-12-2013 19-12-2013 14-04-2016 15-09-2016 22-11-2018 06-08-2020 19-12-2013 19-12-2013