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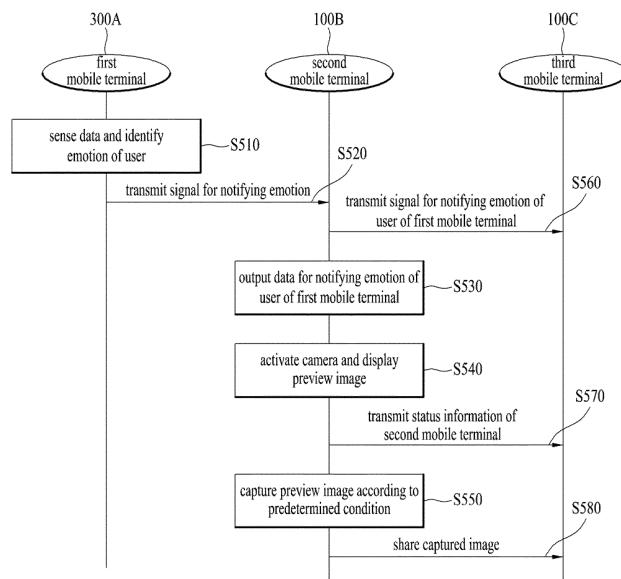
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(54) **MOBILE TERMINAL**

(57) A wearable mobile terminal (300A) including a wireless communication processor (110) configured to provide wireless communication; a display (151); a sensor (140) configured to sense data including at least one of a heart rate, skin temperature, respiration volume and blood pressure of a first user wearing the mobile terminal (300A); and a controller (180) configured to identify an

emotional state of the first user based on the data sensed by the sensor (140), and control the wireless communication processor (110) to transmit a signal for notifying the emotional state of the first user to at least one or more predetermined external devices (100B, 100C), in response to the identified emotional state corresponding to a predetermined emotional state.

FIG. 5





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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 8 441 356 B1 (TEDESCO DANIEL [US] ET AL) 14 May 2013 (2013-05-14) * column 3, line 37 - line 41 * * column 4, lines 4-20 * * column 4, line 53 - column 6, line 16 * * column 6, lines 32-36 * * column 15, lines 15-25 * * column 16, lines 15-27, 36-58 * * column 17, lines 12-15 * * column 18, lines 33-42, 53 - column 19, line 20 * * column 24, lines 40-60 * * figures 3, 4, 5, 21B * -----	1-6	INV. G06F3/01 A61B5/00 G01K13/00 H04M1/725 H04M1/00 H04N5/232
X	US 2005/088296 A1 (LEE J K) 28 April 2005 (2005-04-28) * paragraphs [0024] - [0025], [0044], [0053] - [0061], [0107], [0011], [0115]; figures 1-4, 10-11 * -----	1-6	
X	US 2012/004511 A1 (SIVADAS SUNIL [FI]) 5 January 2012 (2012-01-05) * paragraphs [0043] - [0047], [0051] - [0053], [0056] - [0072]; claims 1, 3; figures 1, 2 * -----	7-9, 11-14, 10, 15	TECHNICAL FIELDS SEARCHED (IPC)
Y			G06F A61B G01K H04M G08B H04N
Y	WO 2009/053863 A1 (SONY ERICSSON MOBILE COMM AB [SE]; ELIASSON HENRIK LARS JOHAN [SE]; SH) 30 April 2009 (2009-04-30) * abstract * * page 3, line 33 - page 4, line 2 * * page 7, line 21 - line 29 * * page 9, line 25 - line 33 * * page 10, line 19 - line 25; figures 6A-7A * -----	10	
A		7-9, 11-15	
	-/--		
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 January 2017	Examiner González Carballo, N
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* abstract * * page 12, line 29 - page 13, line 25 * * page 14, line 13 - line 22; figures 3A-3B *	7-14	
A	----- US 2004/208496 A1 (PILU MAURIZIO [GB]) 21 October 2004 (2004-10-21) * the whole document * -----	1-15	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
Place of search Munich		Date of completion of the search 25 January 2017	Examiner González Carballo, N
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present 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:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION**
SHEET B

Application Number

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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: 1-6

(a) a signal notifying an emotional state of a first user;
(b) a wearable mobile terminal comprising: a wireless communication processor, a display; a sensor; a controller configured to identify an emotional state of a first user based on data sensed by the sensor; a controller to identify a emotional state of a first user and control the wireless communication processor to transmit the state when corresponding to a predetermined emotional state to at least one or more predetermined external devices, and output audio data received from the at least one or more predetermined external devices.

2. claims: 7-15

(a) a signal notifying an emotional state of a first user;
(c) a mobile terminal, comprising: a wireless communication processor to receive a signal from a first external device; a display; a camera; and a controller configured to: activate the camera and display a preview image obtained by the activated camera, in response to the received signal being a specific emotional state, and control the camera to capture the preview image in response to a predetermined condition, output information indicating the specific emotional state.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	移动终端		
公开(公告)号	EP3112989A3	公开(公告)日	2017-03-01
申请号	EP2016157526	申请日	2016-02-26
申请(专利权)人(译)	LG电子株式会社.		
当前申请(专利权)人(译)	LG电子株式会社.		
[标]发明人	KWON YUNMI SHIM HONGJO LEE KISEON		
发明人	KWON, YUNMI SHIM, HONGJO LEE, KISEON		
IPC分类号	G06F3/01 A61B5/00 G01K13/00 H04M1/725 H04M1/00 H04N5/232		
CPC分类号	A61B5/01 A61B5/0205 A61B5/02055 A61B5/021 A61B5/08 A61B5/6802 G08C17/02 H04N5/23203 H04N7/18 A61B5/0022 A61B5/024 A61B5/0476 A61B5/0488 A61B5/0816 A61B5/165 A61B5/6803 A61B5/681 A61B5/6898 A61B2562/0219 G01K13/002 G06F3/015 G06F2203/011 G16H40/67 H04M1/006 H04M1/7253 H04M1/72569 H04M2250/22 H04M2250/52 H04N5/23206 H04N5/23216 H04N5/23293 H04N5/247 H04N21/42201 H04N21/4223 H04W4/18 A61B5/04 A61B5/742 H04W88/02		
优先权	1020150091911 2015-06-29 KR		
其他公开文献	EP3112989A2		
外部链接	Espacenet		

摘要(译)

一种可穿戴移动终端 (300A) , 包括 : 无线通信处理器 (110) , 被配置为提供无线通信;显示器 (151) ;传感器 (140) , 被配置为感测包括佩戴移动终端 (300A) 的第一用户的心率, 皮肤温度, 呼吸量和血压中的至少一个的数据;控制器 (180) , 用于根据传感器 (140) 感知的数据识别第一用户的情绪状态, 并控制无线通信处理器 (110) 发送用于通知第一用户的情绪状态的信号响应于识别的对应于预定情绪状态的情绪状态, 至至少一个或多个预定外部设备 (100B , 100C) 。

