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(54) Using physical sensory input to determine human response to multimedia content displayed on a mobile device

(57) A mobile handset device collects sensor data about the physiological state of the user of the handset. The mobile handset device receives multimedia content, which is consumed on the mobile handset. In a deployment phase, the sensor data is used to classify the user's emotional response to individual pieces of media content consumed on the mobile device. A classification model built in a training phase may be used to map sensor data to classification labels indicative of the user's emotional response to multimedia.

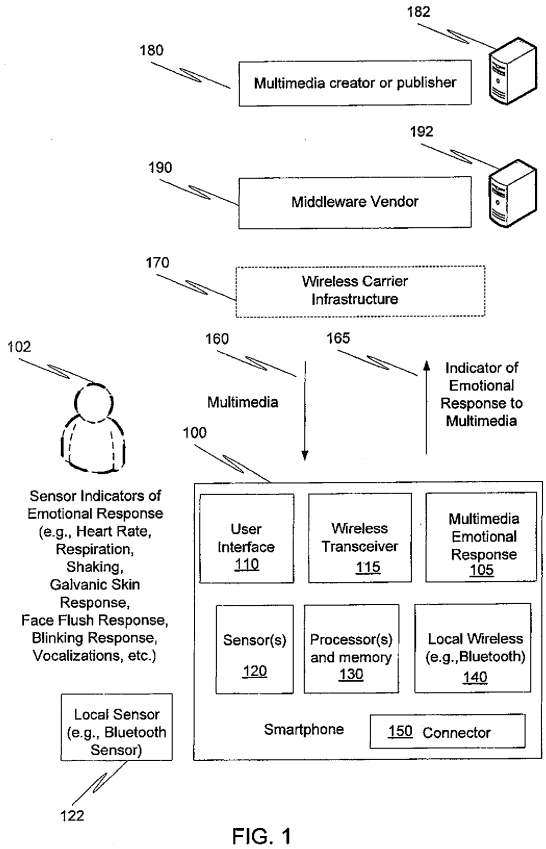

FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 13 16 5380

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 2009/077160 A1 (SVENDSEN HUGH [US] ET AL) 19 March 2009 (2009-03-19) * paragraphs [0017] - [0032], [0049] - [0053]; figure 1 *	1-15	INV. G06F3/01 G06Q30/02 A61B5/00
X	US 2011/099209 A1 (NOH YOO-MI [KR]) 28 April 2011 (2011-04-28) * paragraphs [0015] - [0017], [0042], [0043] *	1-15	

TECHNICAL FIELDS SEARCHED (IPC)

G06F
G06Q
A61B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	12 February 2015	González, Gonzalo

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
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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

EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 13 16 5380

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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12-02-2015

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		US 2011099209 A1	28-04-2011

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	使用物理传感输入来确定人类对移动设备上显示的多媒体内容的响应		
公开(公告)号	EP2698685A3	公开(公告)日	2015-03-25
申请号	EP2013165380	申请日	2013-04-25
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	三星电子有限公司		
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发明人	PHAN, THOMAS JEON, WON		
IPC分类号	G06F3/01 G06Q30/02 A61B5/00		
CPC分类号	A61B5/0024 A61B5/02438 A61B5/163 A61B5/165 A61B5/6898 G06F2203/011 H04N21/42201		
代理机构(译)	阿普尔亚德LEES		
优先权	13/587710 2012-08-16 US 1020120139811 2012-12-04 KR		
其他公开文献	EP2698685A2		
外部链接	Espacenet		

摘要(译)

移动手机设备收集关于手机用户的生理状态的传感器数据。移动手机设备接收在移动手机上消费的多媒体内容。在部署阶段，传感器数据用于对用户对移动设备上消费的各条媒体内容的情绪响应进行分类。在训练阶段中建立的分类模型可以用于将传感器数据映射到指示用户对多媒体的情绪响应的分类标签。

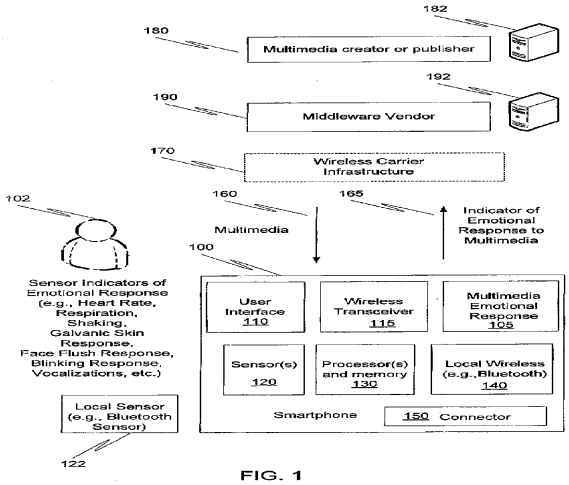

FIG. 1