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13/713,240 13 December 2012 (13.12.2012) US(71) Applicant: MICROSOFT CORPORATION [US/US];  
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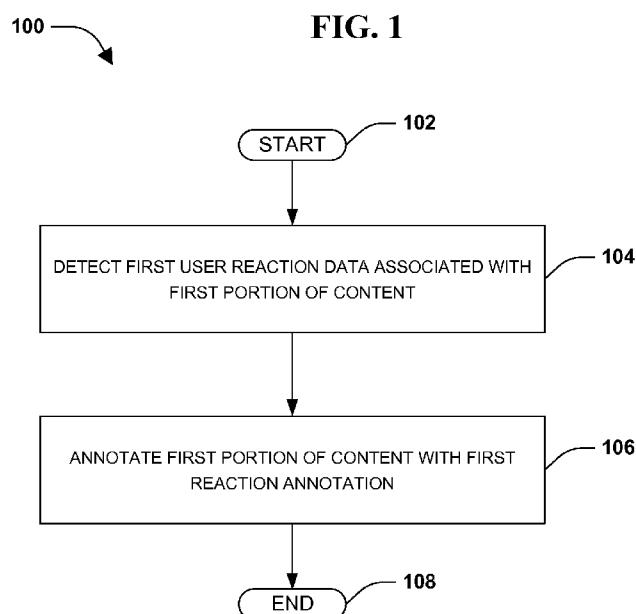
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(54) Title: CONTENT REACTION ANNOTATIONS



(57) Abstract: Among other things, one or more techniques and/or systems are provided for annotating content based upon user reaction data and/or for maintaining a searchable content repository. That is, a user may request and/or opt-in for user reaction data to be detected while a user is experiencing content (e.g., watching a movie, walking through a park, interacting with a website, participating on a phone conversation, etc.). Metadata associated with the content may be used to determine when and/or what sensors to use to detect the user reaction data (e.g., metadata specifying an emotional part of a movie). The content may be annotated with a reaction annotation corresponding to the user reaction data, which may be used to organize, search, and/or interact with the content. A search interface may allow users to search for content based upon annotation data and/or aggregated annotation data of one or more users who experienced the content.

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2013/075170****A. CLASSIFICATION OF SUBJECT MATTER****G06Q 50/10(2012.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

G06Q 50/10; H04H 9/00; G09B 19/00; H04N 7/18; H04N 7/16; G06F 17/30; H04N 5/783; G06Q 10/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: content, annotate, detect, sensor, reaction

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2009-0094286 A1 (HANS C. LEE et al.) 09 April 2009 See abstract, paragraphs [0021], [0035], [0046], [0090], [0095], [0215], claims 9-11, 32, 34, 41-43 and figures 1, 3, 5-7, 15.	1-10
Y	US 2005-0071865 A1 (FERNANDO, C. M. MARTINS) 31 March 2005 See abstract, paragraph [0041] and claims 23, 31-32, 35.	1-10
A	US 2012-0093481 A1 (BRIAN MCDOWELL et al.) 19 April 2012 See abstract, paragraphs [0021], [0032], claims 1-4, 6, 11 and figures 1-2A, 9A-10B.	1-10
A	US 2003-0118974 A1 (PERE OBRADOR) 26 June 2003 See abstract, paragraphs [0022]-[0023], [0033]-[0035], claims 1-6, 10-17 and figures 3-7.	1-10
A	US 2008-0091512 A1 (CARL MARCI et al.) 17 April 2008 See abstract, claims 1-5 and figures 1-2A, 4a-4B.	1-10



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

16 July 2014 (16.07.2014)

Date of mailing of the international search report

**18 July 2014 (18.07.2014)**

Name and mailing address of the ISA/KR

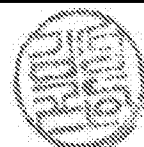
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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2013/075170**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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