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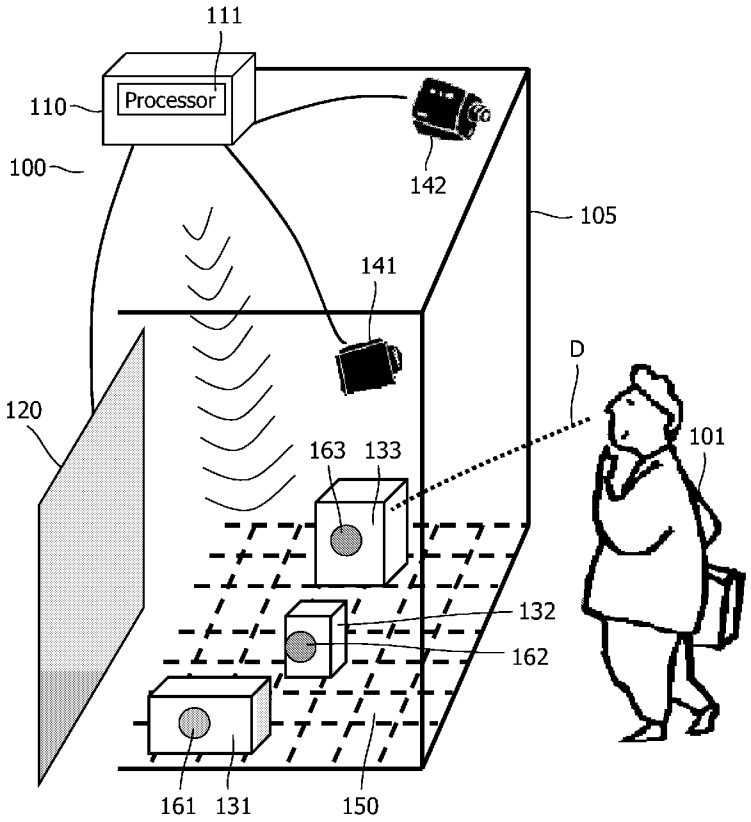
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[Continued on next page]

(54) Title: APPARATUS FOR MONITORING A PERSON HAVING AN INTEREST TO AN OBJECT, AND METHOD THEREOF



(57) Abstract: The invention relates to a method of monitoring a person (101) having an interest to an object. The method comprising steps of: (210) providing a data processor (111) for obtaining interaction data related to a remote interaction between the person and at least one of a plurality of the objects (131, 132, 133), (240) using the data processor for analysis of the interaction data to identify a particular one of the objects (133), to which the person has the interest, and (250) obtaining additional data related to the particular object for informing the person about the particular object. The analysis of the interaction data may comprise a step (220) of identifying a remote location where the interest of the person is focused, and a step (230) of determining locations of the objects with respect to the remote location.

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RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. G06T7/00 G06Q30/00 G06K9/00

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

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	EP 1 422 923 A2 (EASTMAN KODAK CO [US]) 26 May 2004 (2004-05-26) abstract; figures 1-15 paragraph [0002] - paragraph [0095]	1-7, 12-14 8-11
X Y	US 6 118 888 A (CHINO TETSURO [JP] ET AL) 12 September 2000 (2000-09-12) abstract; figures 1-33 column 1, line 11 - column 4, line 59 column 6, line 30 - column 29, line 67	1-7, 12-14 8-11
Y	US 2004/001616 A1 (GUTTA SRINIVAS [US] ET AL) 1 January 2004 (2004-01-01) abstract; figures 1,2a,2b paragraph [0002] - paragraph [0021] paragraph [0025] - paragraph [0043]	8-11

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VELICHKOVSKY B M ET AL ASSOCIATION FOR COMPUTING MACHINERY: "NEW TECHNOLOGICAL WINDOWS INTO MIND: THERE IS MORE IN EYES AND BRAINS FOR HUMAN-COMPUTER INTERACTION" COMMON GROUND. CHI '96 CONFERENCE PROCEEDINGS. CONFERENCE ON HUMAN FACTORS IN COMPUTING SYSTEMS. VANCOUVER, APRIL 13 - 18, 1996, CONFERENCE ON HUMAN FACTORS IN COMPUTING SYSTEMS, NEW YORK, ACM, US, 13 April 1996 (1996-04-13), pages 496-503, XP000657845 ISBN: 0-201-94687-4 the whole document --- WO 99/26126 A (BRITISH TELECOMM [GB]; AZVINE BEHNAM [GB]; DJIAN DAVID [GB]; TSUI KWOK) 27 May 1999 (1999-05-27) the whole document ---	1-14
A		1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1422923 A2	26-05-2004	JP 2004181233 A	02-07-2004
		US 2004103111 A1	27-05-2004
US 6118888 A	12-09-2000	NONE	
US 2004001616 A1	01-01-2004	AU 2003247000 A1	19-01-2004
		CN 1662922 A	31-08-2005
		EP 1520242 A1	06-04-2005
		WO 2004003802 A2	08-01-2004
		JP 2005531080 T	13-10-2005
WO 9926126 A	27-05-1999	AU 1165799 A	07-06-1999