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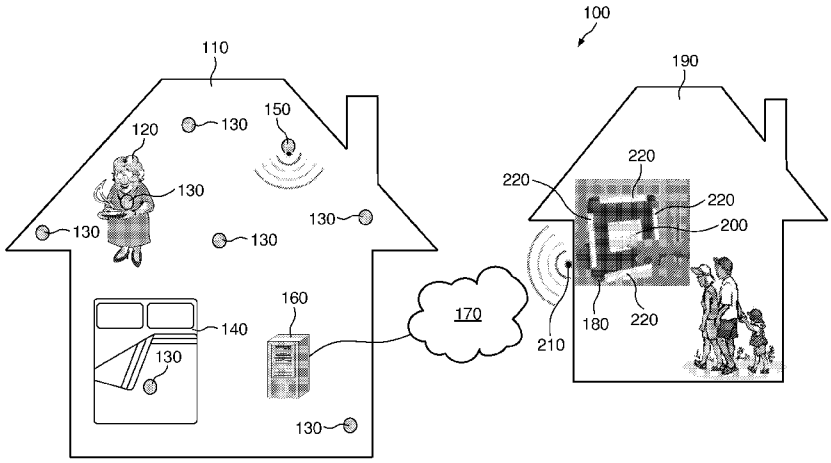


FIG. 1

(57) Abstract: An apparatus (180) is described for conveying information about the wellbeing of an individual (120), for example an elderly person living alone, at the home of a remotely living caregiver, such as the elderly persons child. Thereto, light is used having a characteristic, which depends on a state of wellbeing of the individual. The used characteristic is for example the color or the brightness of the light. The apparatus (180) is part of a larger system that comprises sensors (130) located at the home (110) of the individual (120) measuring parameters relevant to his/her wellbeing. The system derives the state of wellbeing of the individual from an accumulation of these parameters.

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A. CLASSIFICATION OF SUBJECT MATTER
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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, COMPENDEX, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/200009 A1 (WEKELL WILLIAM [US] ET AL) 7 September 2006 (2006-09-07) paragraphs [0002], [0014], [0071] - [0084], [0095], [0116]	1-4,7,8, 10-15
X	MYNATT E D ET AL: "Digital family portraits: Supporting peace of mind for extended family members" CONFERENCE ON HUMAN FACTORS IN COMPUTING SYSTEMS - PROCEEDINGS 2001 ASSOCIATION FOR COMPUTING MACHINERY US, 2001, pages 333-340, XP002556204 cited in the application	1,3,5-7, 10,11,13
Y	* The digital family portrait p. 335 * * Designing a set of portraits p. 338-339 *	9,12

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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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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/195703 A1 (BOYAJIAN GEORGE [US] ET AL) 23 August 2007 (2007-08-23) paragraphs [0025], [0026], [0040]	9,12
X	ROWAN J ET AL: "Digital Family Portrait field trial: Support for aging in place" CHI 2005: TECHNOLOGY, SAFETY, COMMUNITY: CONFERENCE PROCEEDINGS - CONFERENCE ON HUMAN FACTORS IN COMPUTING SYSTEMS - CHI 2005: TECHNOLOGY, SAFETY, COMMUNITY: CONFERENCE PROCEEDINGS - CONFERENCE ON HUMAN FACTORS IN COMPUTING SYSTEMS 2005 ASSOCIATION F, 2005, pages 521-530, XP002556205 * Previous work p. 522 * * Digital portrait display and interface p. 542-525 * * Sensor layout p. 525-526 * * Mining sensor data p. 529-530 *	1,3,5-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2006200009 A1	07-09-2006	NONE	
US 2007195703 A1	23-08-2007	AU 2007314644 A1	08-05-2008
		CA 2643434 A1	08-05-2008
		EP 1987448 A2	05-11-2008
		WO 2008054459 A2	08-05-2008