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[Continued on next page]

(54) **Title:** SYSTEMS AND METHODS FOR COMMUNICATING SENSOR DATA BETWEEN COMMUNICATION DEVICES

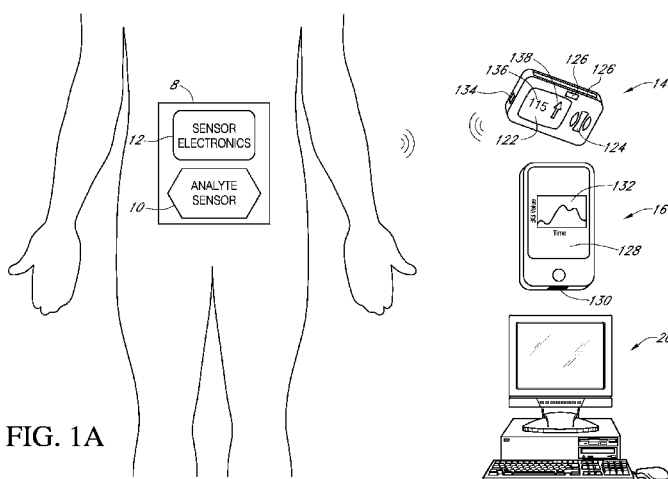


FIG. 1A

(57) **Abstract:** System and method for communicating glucose concentration information between devices of a continuous glucose monitoring system is provided. The continuous glucose monitoring system can include a sensor electronics module 8 and an analyte sensor 10 that generates glucose concentration measurement data and transmits the data to one or more further devices of the continuous glucose monitoring system such as a receiver unit 14, a secondary display device 16 or a personal computer 20. Respective communication ports 130, 134 of the secondary display device 16 and receiver unit 14 can be physically coupled when the receiver unit 14 is physically attached to the secondary display device 16 to allow for wired communication between the devices. A user interface can also be provided that provides enhanced functionality for using the continuous glucose monitoring system by displaying on a display 122, e.g., an analyte concentration value 136 and a trend arrow 138.

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**A. CLASSIFICATION OF SUBJECT MATTER***A61B 5/145(2006.01)i, A61B 5/157(2006.01)i, H04B 7/24(2006.01)i*

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

**B. FIELDS SEARCHED**

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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: glucose, sensor, display, wireless

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009-0240193 A1 (MENSINGER MICHAEL ROBERT et al.) 24 September 2009 See abstract, paragraphs 87-91, 98-101, 107-111, 119, 127-130, and figures 1, 2.	1-42
A	US 2003-0050537 A1 (PAUL WESSEL) 13 March 2003 See abstract, paragraphs 35-44, claims 1-8,14, and figures 1-2.	1-42
A	US 2008-0033254 A1 (APURV ULLAS KAMATH, et al.) 07 February 2008 See abstract, paragraphs 203-215, and figures 2,3A-D,4A-D.	1-42
A	US 2010-0095229 A1 (DIXON LYNN et al.) 15 April 2010 See abstract, paragraphs 55-105, claim 1, and figures 4-12.	1-42

 Further documents are listed in the continuation of Box C. See patent family annex.

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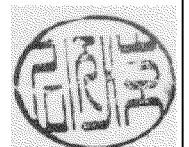
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