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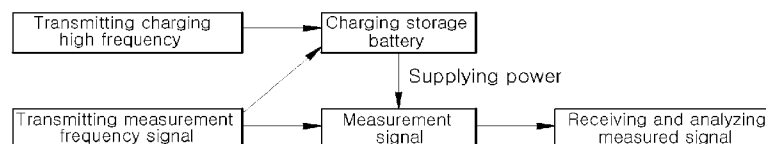
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(54) Title: METHOD OF MEASURING SPECIFIC ABSORPTION RATE OF ELECTROMAGNETIC WAVES

[Fig. 1]



(57) **Abstract:** Disclosed is an SAR measurement method that is capable of securing sufficient power within a short period of time and always maintaining the intensity of measurement signals irrespective of the measurement frequency. With the SAR measurement method, a plurality of measurement modules each with a control unit for processing location information and SAR measurement values, a memory unit for storing data, an antenna for making signal transection with the external, and a storage battery charged by way of inductive power are prepared. Thereafter, the plurality of measurement modules are arranged and installed within a phantom formed with a homogeneous material that conforms to the electrical characteristics of human body tissue. An electronic product to be measured in SAR is mounted at a predetermined location of the phantom with a predetermined posture. A high frequency of several hundred megahertz (MHz) to several hundred gigahertz (GHz) is scanned toward the phantom. The electronic product is operated with a predetermined pattern during a predetermined period of time. A measurement controller receives the data stored at the respective measurement modules to download and process the data, thereby verifying the SAR of the electronic product.

INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: **G01R 29/08** (2006.01)

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)

IPC⁸: G01N, G01R, G01S

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 practicable, search terms used)

WPI, EPODOC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004/048949 A1 (THE EDUCATION & RESEARCH FOUNDATION FOR IND, UNIV & RES INST IN CHUNGNAM NU et al.) 10 June 2004 (10.06.2004) <i>The whole document</i>	1-4
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A	EP 1452880 A1 (MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.) 1 September 2004 (01.09.2004) <i>Fig. 2; Claim 1</i>	1

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

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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
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			CA	A1	2517176	2004-06-10
			AU	A1	2003282407	2004-06-18
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EP	A	1452880	EP	A1	1452880	2004-09-01
			US	A1	2004232776	2004-11-25
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