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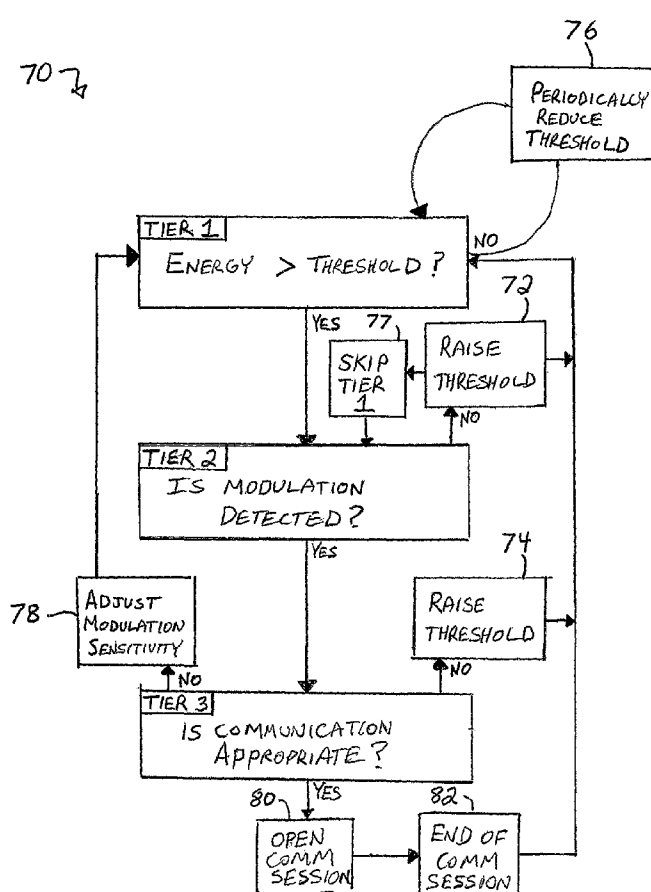
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(54) Title: SYSTEM AND METHOD FOR UNSCHEDULED WIRELESS COMMUNICATION WITH A MEDICAL DEVICE



(57) Abstract: Unscheduled wireless communication with a medical device is achieved by operating a receiver of the medical device in a series of modes. Each mode provides an increasingly selective evaluation of received RF energy. The receiver, when operating in a first mode, is capable of detecting the presence of RF energy transmitted from a communicating device. The receiver, when operating in a second mode, consumes more energy than the first mode and analyzes the RF energy to determine whether it contains the appropriate type of modulation. When operating in a third mode, the receiver consumes more energy than the second mode, and operates the full receiver to begin communication with the communicating device. The receiver opens a communication session after the series of RF energy has passed the evaluation by the series of modes to receive an unscheduled communication.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, 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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INV. A61N1/372

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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

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

EPO-Internal, 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	EP 1 264 614 A (ST JUDE MEDICAL [SE]) 11 December 2002 (2002-12-11) paragraphs [0058] - [0060] -----	1-4, 17, 22
X	US 2003/187484 A1 (DAVIS TIMOTHY J [US] ET AL) 2 October 2003 (2003-10-02) paragraphs [0004], [0020] - [0022]; claims 15-20 -----	1, 2, 5-24
X	US 6 738 670 B1 (ALMENDINGER ALLEN DALE [US] ET AL) 18 May 2004 (2004-05-18) paragraph [0025] -----	1, 17, 22

☐ Further documents are listed in the continuation of Box C.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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