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[Continued on next page]

- (54) Title:** COMMUNICATION SYSTEM USING AN IMPLANTABLE DEVICE

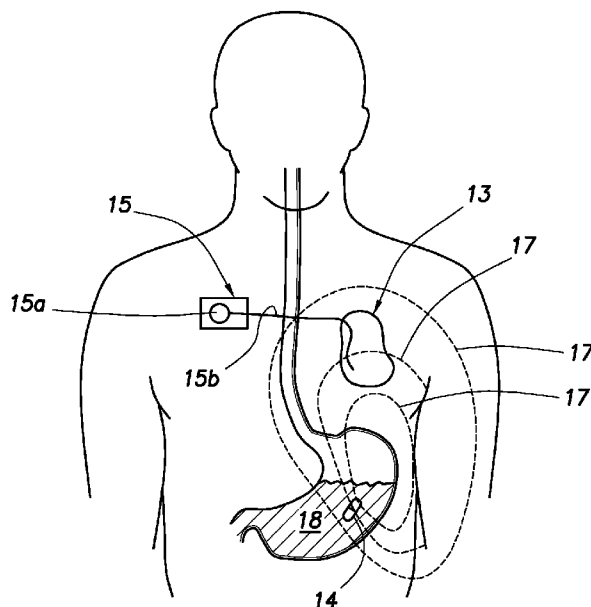


FIG. 1

- (57) Abstract:** The system of the present invention includes an implantable device that can detect high and low frequency current signature. The implantable device can communicate with a communication device that includes a conductive element, an electronic component, and a partial power source in the form of dissimilar materials. Upon contact with a conducting fluid, the communication device is activated.



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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)

A61B 5/00; A61B 5/0488; A61B 1/00; H01R 43/00; A61N 1/36; A61M 37/00; A61B 5/07

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) & Keywords: implantable, communication, heart, high frequency, low frequency

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2011-0040203 A1 (SAVAGE, GEORGE et al.) 17 February 2011	1-4
Y	See paragraphs [0018]-[0025], [0028]-[0030], [0032], [0059], [0060] claims 1-5, figures 1-3, 5, and 6.	5, 12
A		6-11, 13
Y	US 2010-0081894 A1 (ZDEBLICK, MARK et al.) 01 April 2010	5, 12
A	See paragraphs [0019], [0023]-[0025], [0028], [0034]-[0036], [0046], claims 1, 3, 6-8, 10, 11, 14 and figures 1-5.	1-4, 6-11, 13
A	US 2010-0049263 A1 (REEVE, HELEN L.) 25 February 2010	1-13
	See paragraphs [0013]-[0016], claims 13-14, 18, figures 1 and 2.	
A	US 2011-0065983 A1 (HAFEZI, HOOMAN et al.) 17 March 2011	1-13
	See paragraphs [0043], [0044], [0049], [0050], claims 45-47, figures 1, and 2A-D.	



Further documents are listed in the continuation of Box C.



See patent family annex.

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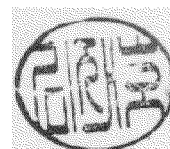
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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