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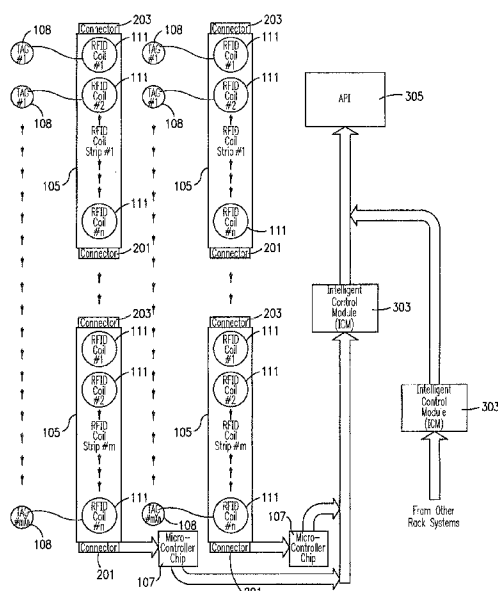


FIG. 3

(57) Abstract: A system and method for detecting the presence and precise location of a device bearing a radio frequency identification (RFID) tag comprising a plurality of resonators, a first circuit for driving the plurality of resonators with a low frequency drive signal for exciting nearby RFID tags via magnetic field excitation, a multiplexer having a plurality of input terminals, each input terminal coupled to one of the plurality of resonators, and an output terminal, and a signal processing circuit coupled to the output terminal of the multiplexer for reading the signals of the resonators and determining the identification of any RFID tags excited by the resonators.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H04W 4/00 (2009.01) USPC - 370/334 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) IPC(8) - H04Q7/00; G06F17/60 (2009.01) USPC - 370/334; 235/383, 384, 385 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) Patbase, Google Patents, Thomson Innovation		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2006/0165039 A1 (LYON et al) 27 July 2006 (27.07.2006) entire document	1 ----- 2-21
Y	US 6,075,441 A (MALONEY) 13 June 2000 (13.06.2000) entire document	2-21
Y	US 2006/0238301 A1 (WU et al) 26 October 2006 (26.10.2006) entire document	5-6, 10-11, 14-15
Y	US 3,458,735 A (FISKE) 29 July 1969 (29.07.1969) entire document	19
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