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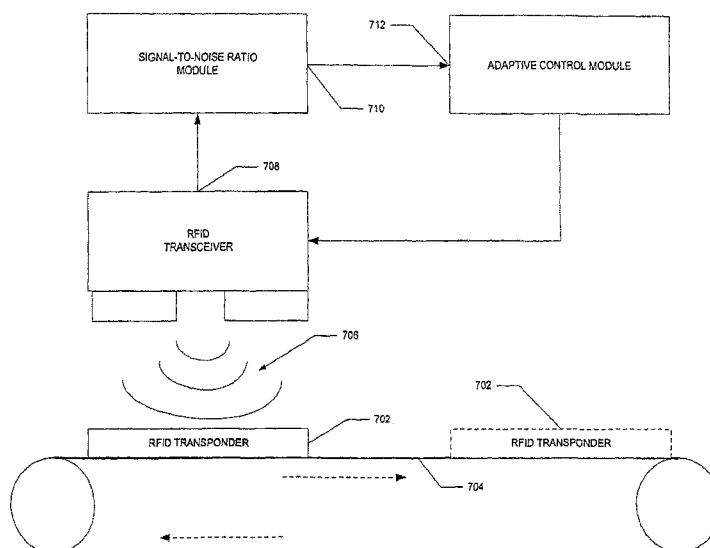
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ADAPTIVE CONTROL FOR IMPROVED RFID TRANSPONDER READ AND WRITE PERFORMANCE



(57) Abstract: System, methods and computer program product are provided for an adaptive control for adjusting the electromagnetic interrogation signal of an RFID transceiver where said signal is used to read and/or write to an RFID transponder (702), or to adjust the gain of the RFID transceiver, or adjust both the gain and the signal strength. The system includes a RFID transceiver (708) having at least a transmitter portion and a receiver portion and capable of generating electromagnetic signals, a signal-to-noise ratio module (710), and an adaptive control module (712) that adjusts the power of the electromagnetic signal of the transmitter portion or the gain of the receiver portion according to the signal-to-noise ratio of a first electromagnetic signal. In one embodiment the system may be employed in printer-encoder devices for reading or encoding RFID transponders during a printing process.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. G06K7/00

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)
G06K

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 1 394 719 A (EM MICROELECTRONIC MARIN SA [CH]) 3 March 2004 (2004-03-03) paragraph [0015] - paragraph [0019]; figure 2	1-15
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☐ 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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