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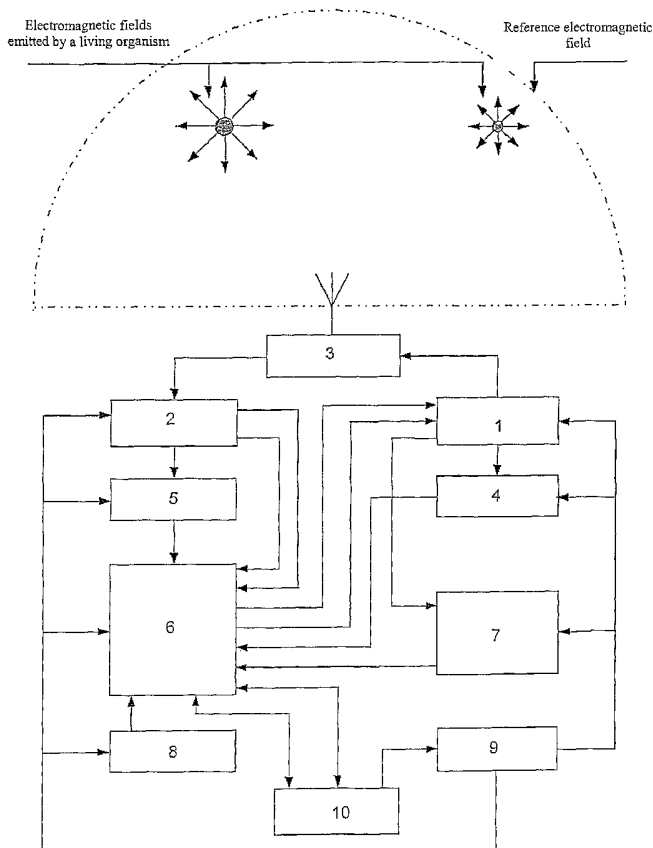
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(54) Title: AN ELECTRONIC UNIT, ESPECIALLY FOR DETECTING LIVING ORGANISMS



(57) Abstract: An electronic unit, especially for detecting living organisms, comprising a transmitting antenna (3a) and a receiving antenna (3b) connected through a coupling block (3) to a reference oscillator (1) for creating reference electromagnetic field, and to a recording oscillator (2) for recording the values of the electromagnetic field emitted by a living organism, wherein the reference oscillator (1) is connected to a converter $f/U1$ (4) for measuring and changing frequency of the reference oscillator (1) to a voltage necessary for feedback check of the reference frequency, and to an analogue block (7) for measuring variation of the reference oscillator voltage; the recording oscillator (2) is connected to a converter $f/U2$ (5) for measuring and changing frequency from the detecting oscillator (2) to a voltage necessary for checking the received frequency; converter $f/U1$ (4), analogue block (7), detecting oscillator (2) and converter $f/U2$ (5) are connected to a digital block (6) for recording, controlling, surveillance and regulating the respective operations and evaluating operation of the respective blocks, and the digital block (6) is connected to the reference oscillator (1); a database block (8), containing a database of values to ensure measuring of designated values necessary for the correction and stabilization of parameters, and an input-output block (10) for ensuring bidirectional analogue and digital interconnection with security and lookup devices, are connected to the digital block (6).

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