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ABSTRACT

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METHOD FOR EMITTING AND RECEIVING WAVE ENERGY

10 In a method for emitting and receiving wave energy
which, in particular is used for the active location of
targets, a transmitting antenna is fed with an
electrical signal at the transmitting end and the
signal radiated by the transmitting antenna is detected
in the received electrical signal of a receiving
antenna at the receiving end. To conceal the
15 transmitted signal in the background noise and thus
drastically to reduce the probability of the locator
revealing itself, the electrical signal is generated
with a temporal course having a deterministic-chaotic
structure. A structural measure characterizing the
20 deterministic-chaotic structure of the electrical
signal generated is used for detecting the signal in
the received signal of the receiving antenna at the
receiving end.