Abstract

Method and system for acoustic communication

The invention proposes a transmitter device, comprising a transmission antenna, the transmission antenna (1) comprising at least one transducer (10) and one signal generation unit (120) for generating an acoustic communication signal to be transmitted to a receiver device including hidden information, characterized in that the signal generation unit is configured to previously record an original acoustic signal, said signal generation unit being capable of generating said communication signal to be transmitted by adding, to an initial signal x(t) derived from the original signal, an auxiliary signal previously multiplied by at least one symbol, said symbol having a phase and/or an amplitude carrying the hidden information and said auxiliary signal being calculated from the initial signal by means of a chosen transformation operator which depends on a steganographic key.

(Figure 1)

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(Figure 1)