

Abstract**Method and system for acoustic communication**

The invention proposes a transmitter device, comprising a transmission antenna,
5 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 record an original acoustic signal
beforehand, said signal generation unit being capable of generating said
10 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
15 key.

(Figure 1)