

Title (en)

METHOD OF WIRELESS COMMUNICATION BETWEEN SEVERAL SENDERS AND AT LEAST ONE RECEIVER

Title (de)

VERFAHREN ZUR DRAHTLOSEN KOMMUNIKATION ZWISCHEN VERSCHIEDENEN SENDERN UND MINDESTENS EINEM EMPFÄNGER

Title (fr)

PROCEDE DE COMMUNICATION SANS FIL ENTRE PLUSIEURS EMETTEURS ET AU MOINS UN RECEPTEUR

Publication

**EP 2553842 A1 20130206 (FR)**

Application

**EP 11711593 A 20110401**

Priority

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Abstract (en)

[origin: WO2011121115A1] The present invention relates to a method of communication between on the one hand at least two synchronized sensor/actuator devices and on the other hand at least one pickup, the devices and the pickup being disposed in a structure, the method comprising: - a learning phase (100) in which: the structure is excited at the position of the pickup by generating a so-called "primary" vibratory wave able to propagate in the structure; vibratory signals containing the primary vibratory wave are recorded at the level of the sensors/actuators, each vibratory signal being associated with a respective sensor/actuator; - a restitution phase (200) in which: the vibratory signals recorded are temporally reversed so as to obtain reversed-time vibratory signals; at the level of each sensor/actuator is generated a so-called "secondary" vibratory wave corresponding to the vibratory signal associated with said sensor/actuator.

IPC 8 full level

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