

Title (en)

SYSTEM AND METHOD FOR DETERMINING A REPRESENTATION OF AN ACOUSTIC FIELD

Title (de)

SYSTEM UND VERFAHREN ZUR BESTIMMUNG EINER REPRÄSENTATION EINES AKUSTISCHEN FELDES

Title (fr)

SYSTEME ET PROCEDE DE DETERMINATION D UNE REPRESENTATION D'un champ acoustique

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Application

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Abstract (en)

[origin: WO2005013643A1] The system for determining a representation of an acoustic field (P) comprises means (1) for the acquisition of acoustic waves, comprising a plurality of elementary sensors (21 to 2Q) distributed in space, each delivering a measuring signal (c1 to cQ); and processing means (8) applying filtering combinations representing structural characteristics of said means of acquisition (1) to said measuring signals (c1 - cQ), in order to deliver a plurality of acoustic signals (sc1 to scN) associated with a predetermined general direction of restitution which is defined in relation to a given point in space (14). The set of acoustic signals (sc1 à scN) form a representation of said acoustic field (P). The invention is characterized in that said elementary sensors (21 to 2Q) are distributed in space in a substantially non-regular manner and in that said filtering combinations are representative of said distribution.

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