

Title (en)

Process and device for reducing the resonant frequency of the cavities of submerged transducers

Title (de)

Verfahren und Vorrichtung zur Verminderung der Resonanzfrequenz von Hohlräumen von Unterwasserwandlern

Title (fr)

Procédé et dispositif pour diminuer la fréquence de résonance des cavités des transducteurs immergeables

Publication

EP 0728535 B1 19980826 (FR)

Application

EP 96400364 A 19960222

Priority

FR 9502093 A 19950223

Abstract (en)

[origin: EP0728535A1] The process involves utilising te electroacoustic transducer which comprises at least one housing (3) solidly attached to the end of a motor (1). A rigid hollow box (5) surrounds the housing and defines with at least one cavity (7,19) which communicates by means of an orifice (6,20) with the external fluid which fills the cavity. The cavity has dimensions and capacity chosen to provide the required resonant frequency. The passive radiator (15) consists of a material which is more dense than the surrounding fluid (4) and blocks the orifice (6,20). This is suspended by its edges at the periphery of the orifice by an elastic material (23).

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