

Title (en)
Underwater electro-acoustic transducer.

Title (de)
Elektroakustischer Unterwasserwandler.

Title (fr)
Transducteur électro-acoustique immergé.

Publication
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Application
EP 91430011 A 19910610

Priority
FR 9007552 A 19900612

Abstract (en)

The subject of the present invention are underwater electro-acoustic transducers and a method for manufacturing these transducers. A transducer according to the invention comprises, in a cylindrical casing (3), a first stack of piezoelectric plates (washers) (6) coaxial with the second stack. It comprises a top (1) and a counter-mass (2). It comprises a rigid part (8) which is inserted between the first and the second stacks. A first end (A) of the first stack bears against a bearing face (1A) of the top. A first end (D) of the second stack bears against a bearing face (2A) of the counter-mass. The two ends (B and C) of the two stacks bear against bearing faces (81 and 82) of the intermediate part. One application is the construction of underwater electro-acoustic transducers of high power per unit volume. <IMAGE>

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IPC 8 full level
B06B 1/06 (2006.01); **G10K 9/12** (2006.01)

CPC (source: EP US)
B06B 1/0618 (2013.01 - EP US); **G10K 9/121** (2013.01 - EP US); **Y10T 29/49005** (2015.01 - EP US)

Citation (search report)

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- [A] EP 0367681 A1 19900509 - THOMSON CSF [FR]

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