

Title (en)  
DEVICE FOR EMITTING AN ACOUSTIC WAVE

Title (de)  
VORRICHTUNG ZUM AUSSENDEN VON SCHALLWELLEN

Title (fr)  
DISPOSITIF D'EMISSION D'UNE ONDE ACOUSTIQUE

Publication  
**EP 2700247 A1 20140226 (FR)**

Application  
**EP 12724668 A 20120413**

Priority  
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• FR 2012050824 W 20120413

Abstract (en)  
[origin: WO2012143657A1] A device for emitting an acoustic wave comprises a flared structural piece (2) bearing at its base an electromechanical transducer (3) and defining at its flared end an output surface (S). A mechano-acoustic coupler (4) made of one piece is a solid piece and exhibits:  
- a first portion (41) for mounting on the transducer, - a second portion (42) extending from the first portion up to the level of the output surface, the coupler being suspended on the structural piece at the level of the second portion and the second portion having a cross-sectional area at the level of the output surface which is strictly greater than its cross-sectional area at the level of the first portion, and, - a third portion (43) extending from the second portion, where the third portion has a cross-sectional area which is smaller than the output surface, the third portion comprising a cross-section of greater area than the output surface.

IPC 8 full level  
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Citation (search report)  
See references of WO 2012143657A1

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