

Title (en)  
ACOUSTIC TRANSDUCER

Title (de)  
AKUSTISCHER WANDLER

Title (fr)  
TRANSDUCTEUR ACOUSTIQUE

Publication  
**EP 3333846 B1 20210825 (EN)**

Application  
**EP 17204722 A 20171130**

Priority  
IT 201600123575 A 20161206

Abstract (en)  
[origin: EP3333846A1] An acoustic transducer (1) comprising: - a sound source (2) adapted to emit acoustic radiations along a prevalent emission axis (A2); - a horn (10) coupled to the sound source (2) and having a hollow main body (11) which extends between an inlet opening (12) that receives said acoustic radiations and an outlet opening (13) for their external broadcasting. The main body (11) has walls (14-17) which delimit a flared conduit having a variable section which allows the propagation of the acoustic radiations between the inlet opening (12) and the outlet opening (13). The main body (11) extends along a prevalent longitudinal extension axis (A10) misaligned with respect to the prevalent emission axis (A2). The horn (10) comprises, inside the flared conduit, obstacles (101,102) or partition elements (103) which locally narrow its section in at least two transverse directions (D11-D12) with respect to the prevalent longitudinal extension axis (A10).

IPC 8 full level  
**G10K 11/02** (2006.01); **H04R 1/30** (2006.01); **H04R 1/28** (2006.01); **H04R 1/40** (2006.01)

CPC (source: EP)  
**G10K 11/025** (2013.01); **H04R 1/30** (2013.01); **H04R 1/2865** (2013.01); **H04R 1/403** (2013.01)

Cited by  
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