

Title (en)  
HORN SPEAKER

Title (de)  
HORNLAUTSPRECHER

Title (fr)  
HAUT-PARLEUR À PAVILLON

Publication  
**EP 3407617 B1 20200122 (EN)**

Application  
**EP 18166105 A 20180406**

Priority  
• KR 20170064608 A 20170525  
• US 201715662167 A 20170727

Abstract (en)  
[origin: EP3407617A1] A horn speaker improves ambience and sound quality by minimizing the transmission of sound diffusion and noise while maximizing the transmission of source sound generated by a speaker unit. The sound emitted by the speaker unit is collected in a seating groove and discharged through a discharge outlet of the horn speaker by integrally forming a plurality of horns in primary and secondary cases of the horn speaker enclosure. A simplified structure reduces the size of the horn speaker and difficulty associated with its assembly. The reproduction band of sound can be extended by forming a horn in a duct structure and adding sound pressure by combining it with sound emitted from the resonance of the duct in forward and backward directions. The amplitude of the resonance point is reduced in the same band and consequently advantageously reduces distortion of the sound.

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

CPC (source: EP)  
**H04R 1/02** (2013.01); **H04R 1/2857** (2013.01); **H04R 1/2865** (2013.01); **H04R 1/30** (2013.01); **H04R 2499/13** (2013.01)

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