

Title (en)  
Electroacoustic transducer

Title (de)  
Elektroakustischer Wandler

Title (fr)  
Transducteur électroacoustique

Publication  
**EP 1296536 A3 20040128 (DE)**

Application  
**EP 02450170 A 20020802**

Priority  
AT 15032001 A 20010920

Abstract (en)  
[origin: US2003053649A1] An eletrostatic microphone capsule includes a diaphragm which is subjected to a sound field and is excited to oscillate by the sound field, and an electrode arranged at a distance from the diaphragm. The electrode has at least two areas with different charge densities. The at least two areas may include an at least essentially circular area and an at least essentially annular area. At least two of the areas of the electrode may operate in accordance with the capacitor principle, wherein different voltages are applied to the areas.

IPC 1-7  
**H04R 19/01**; **H04R 19/04**

IPC 8 full level  
**H04R 19/01** (2006.01); **H04R 19/04** (2006.01)

CPC (source: EP US)  
**H04R 19/04** (2013.01 - EP US); **H04R 19/016** (2013.01 - EP US)

Citation (search report)  
• [A] DE 4342169 A1 19950614 - SENNHEISER ELECTRONIC [DE]  
• [DA] WO 9739464 A1 19971023 - CALIFORNIA INST OF TECHN [US]  
• [DA] WO 8200745 A1 19820304 - PRIMO CO LTD [JP], et al  
• [A] GUTFELD VON R J: "SEGMENTED ELECTRODE ACOUSTIC GENERATOR USING ELECTROSTATIC EXCITATION", IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 20, no. 11B, April 1978 (1978-04-01), pages 5047 - 5048, XP000795311, ISSN: 0018-8689

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 02450170 A 20020802**; AT 15032001 A 20010920; CN 02131917 A 20020905; JP 2002272605 A 20020919; US 25164902 A 20020920