

Title (en)
Electrostatic acoustic device

Title (de)
Elektrostatistische akustische Vorrichtung

Title (fr)
Dispositif acoustique électrostatique

Publication
EP 1194004 A1 20020403 (EN)

Application
EP 00402687 A 20000929

Priority
EP 00402687 A 20000929

Abstract (en)
In order to enhance the sound pressure of loudspeakers there is provided an electrostatic acoustic device having a first electrode (6) for applying an electrical field, a diaphragm (8) with a main portion, a peripheral portion and an elastic portion (9) between the main portion and the peripheral portion and fixing means (10) for fixing the peripheral portion of the diaphragm (8) to the first electrode(6), wherein the main portion of the diaphragm (8) is movable by the electrical field and wherein the elastic portion (9) of the diaphragm (8) is deformed during movement of the diaphragm (8), whereas the shape of the main portion of the diaphragm (8) is essentially maintained, when substantially constant surface force is applied to the entire surface of the diaphragm (8) by the electrical field. <IMAGE>

IPC 1-7
H04R 19/00

IPC 8 full level
H04R 19/00 (2006.01)

CPC (source: EP)
H04R 19/00 (2013.01)

Citation (search report)

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