

Title (en)  
Integrated capacitive transducer.

Title (de)  
Integrierter kapazitiver Wandler.

Title (fr)  
Transducteur capacitif intégré.

Publication  
**EP 0587032 A1 19940316 (FR)**

Application  
**EP 93113955 A 19930901**

Priority  
FR 9210947 A 19920911

Abstract (en)  
The invention relates to an integrated capacitive transducer (1) comprising: - a membrane including a movable part (4) equipped with an electrode, - a fixed plate (6) including a counter-electrode (8), - a structure (10) for supporting the electrode and the counter-electrode, the said fixed plate (6) further including an electret (30) which extends opposite the said movable part (4) and is separated from the said membrane by an open space (16), the said transducer being characterised in that the said electret (30) includes a first electrically conducting layer (32) embedded in an insulating material (34, 36). The invention applies particularly to hearing aids. <IMAGE>

Abstract (fr)  
L'invention concerne un transducteur capacitif intégré (1) comprenant: une membrane comportant une partie mobile (4) munie d'une électrode, une plaque fixe (6) comportant une contre-électrode (8), une structure de support (10) de l'électrode et de la contre-électrode, ladite plaque fixe (6) comportant en outre un électret (30) qui s'étend en regard de ladite partie mobile (4) et est séparée de ladite membrane par un espace ouvert (16), ledit transducteur étant caractérisé en ce que ledit électret (30) comporte une première couche électriquement conductrice (32) noyée dans un matériau isolant (34, 36). L'invention s'applique particulièrement aux prothèses auditives. <IMAGE>

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

IPC 8 full level  
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