

Title (en)  
Device for preventing the penetration of foreign bodies in a sound transducer.

Title (de)  
Vorrichtung gegen das Eindringen von Fremdkörpern in einen Schallwandler.

Title (fr)  
Dispositif contre la pénétration d'impuretés dans un transducteur sonore.

Publication  
**EP 0421233 B1 19940629 (DE)**

Application  
**EP 90118347 A 19900924**

Priority  
US 41738989 A 19891005

Abstract (en)  
[origin: US4953215A] In an arrangement to prevent the intrusion of foreign matter into a transducer which extends with a projection provided with an opening into a sound channel of a hearing aid, a reduced need for space as well as simpler construction, compared with the state of the art, are achieved by means of the following characterizing features: A membrane made of pore-free material is provided, which has at least one bore for the passage of sound of from a few hundredths to a few tenths of a millimeter diameter, and in which the wall thickness of the membrane is small with respect to the diameter of the bore.

IPC 1-7  
**H04R 25/02**

IPC 8 full level  
**H04R 25/00** (2006.01)

CPC (source: EP US)  
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EP0855847A3; DE102010041695A1; EP0548580A1; WO9515067A1

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