

Title (en)  
Film-type audio output apparatus

Title (de)  
Folienförmige Audioausgangsvorrichtung

Title (fr)  
Appareil de sortie audio de type film

Publication  
**EP 1942699 A1 20080709 (EN)**

Application  
**EP 07008216 A 20070423**

Priority  
CN 200710002344 A 20070104

Abstract (en)  
A film-type audio output apparatus includes an audio output device, at least one speaker unit, and at least one film. The at least one speaker unit is positioned at any side of the audio output device. The speaker unit can be an embedded speaker unit. The at least one film can be positioned at any or more places of an inner side and an outer side of the audio output device. When the speaker unit of the audio output device releases sound, the film positioned on the audio output device can get vibration of the sound so that the inside of the audio output device can generate resonance. Thus, the audio output apparatus can generate softer undertone and wider diapason.

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

CPC (source: EP)  
**H04R 1/2834** (2013.01); **H04R 1/2842** (2013.01); **H04R 1/1016** (2013.01); **H04R 1/26** (2013.01); **H04R 2499/11** (2013.01);  
**H04R 2499/15** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 07008216 A 20070423**; CA 2674271 A 20070316; CN 2007000845 W 20070316; CN 200710002344 A 20070104; EA 200900910 A 20070316