

Title (en)  
Omnidirectional electroacoustic enclosure.

Title (de)  
Rundstrahlende elektroakustische Lautsprecherbox.

Title (fr)  
Enceinte électro-acoustique omnidirectionnelle.

Publication  
**EP 0362097 A1 19900404 (FR)**

Application  
**EP 89450012 A 19890929**

Priority  
FR 8812930 A 19880929

Abstract (en)  
[origin: JPH02223297A] PURPOSE: To diffuse sounds so that they become omnidirectional on a horizontal surface by providing two speaker units, two speaker cabinets and the rotary convex-type diffuser of a pear-shaped type, which is supported between diaphragms. CONSTITUTION: One speaker unit 4 is held on the end part of the extending part of the speaker cabinet 1 and the other unit 7 is held on the end part of the speaker cabinet 5 in a truncated pyramid or a truncated cone form constituting a reflecting face 12. The reflecting surface 12 diffuses the other part of the sounds diffused to become horizontal on a part of sound emitted by the opposite speaker unit 4 and on the same shaft so that they become horizontal by the unique deflection device 9 of a rotary concave form, which is arranged between the speaker units 4 and 7. Thus, sounds are diffused so that they become omnidirectional and sound quality can be improved.

Abstract (fr)  
Enceinte électro-acoustique omnidirectionnelle comportant deux transducteurs (4) pour les graves/médiums et (7) pour les aigus disposés de manière coaxiale leurs membranes se faisant face, le transducteur (4) est maintenu en l'extrémité des prolongements (2) d'un caisson (1) et le transducteur (7) en l'extrémité du caisson (5), une partie des sons émis par les transducteurs (4, 7) étant diffusés au moyen d'un diffuseur (9) placé entre les membranes, l'autre partie étant réfléchi sur les faces (12, 13) des caissons (1, 5).

IPC 1-7  
**H04R 1/32**

IPC 8 full level  
**H04R 1/26** (2006.01); **H04R 1/34** (2006.01)

CPC (source: EP US)  
**H04R 1/345** (2013.01 - EP US)

Citation (search report)  
• [A] LU 69645 A1 19740710  
• [A] WO 8501176 A1 19850314 - WOLCOTT HENRY OLIVER  
• [A] BE 894728 A 19830214 - MEYER RUDY DE  
• [A] US 3816672 A 19740611 - GEFVERT H, et al  
• [A] US 4588042 A 19860513 - PALET TIMOTHY J [US], et al

Cited by  
AU653027B2; US10341761B2; WO9207449A1

Designated contracting state (EPC)  
AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0362097 A1 19900404**; FR 2637147 A1 19900330; FR 2637147 B1 19901228; JP H02223297 A 19900905; US 5086871 A 19920211

DOCDB simple family (application)  
**EP 89450012 A 19890929**; FR 8812930 A 19880929; JP 25254189 A 19890929; US 41492489 A 19890929