

Title (en)
Combination loudspeaker unit

Title (de)
Kombinierte Lautsprechereinheit

Title (fr)
Unité combiné de haut parleurs

Publication
EP 1408717 A3 20040804 (EN)

Application
EP 03255099 A 20030818

Priority
• GB 0219245 A 20020817
• GB 0317445 A 20030725

Abstract (en)
[origin: EP1408717A2] A loudspeaker unit comprises, in combination, a pistonically driven diaphragm loudspeaker and a generally planar resonant panel loudspeaker, in which the plane of the resonant panel lies in the same orientation as an axis along which the diaphragm is pistonically driven. The resonant panel loudspeaker may be located behind the diaphragm loudspeaker, with the resonant panel loudspeaker functioning as a diffuse dipole, e.g. to generate surround sound reproduction, and the diaphragm loudspeaker located in the null of the dipole and functioning as an acoustic monopole, e.g. to generate imaged stereophonic sound reproduction. <IMAGE>

IPC 1-7
H04R 7/04; **H04R 1/24**

IPC 8 full level
H04R 1/24 (2006.01); **H04R 7/04** (2006.01); **H04R 1/26** (2006.01)

CPC (source: EP GB)
H04R 1/24 (2013.01 - EP GB); **H04R 7/045** (2013.01 - EP); **H04R 1/26** (2013.01 - EP); **H04R 1/323** (2013.01 - GB); **H04R 7/045** (2013.01 - GB); **H04R 2205/022** (2013.01 - EP); **H04R 2440/07** (2013.01 - EP)

Citation (search report)
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• [X] US 3291251 A 19661213 - ZEMROWSKI EDMUND A
• [Y] DE 3904943 A1 19900920 - PFLEIDERER PETER [DE]
• [A] US 6332029 B1 20011218 - AZIMA HENRY FIROUZ [GB], et al

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US9060226B2; EP1814354A1; WO2006114645A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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