

Title (en)
LOUDSPEAKERS COMPRISING PANEL-FORM ACOUSTIC RADIATING ELEMENTS

Title (de)
LAUTSPRECHER MIT PANEELFÖRMIGEN AKUSTISCHEN ABSTRAHLELEMENTEN

Title (fr)
HAUT-PARLEURS

Publication
EP 0847662 B1 19990310 (EN)

Application
EP 96929395 A 19960902

Priority

- GB 9602153 W 19960902
- GB 9517918 A 19950902
- GB 9522281 A 19951031
- GB 9606836 A 19960330

Abstract (en)
[origin: WO9709843A1] A ceiling tile (36) for a suspended ceiling and incorporating a loudspeaker (81) characterised in that the tile is in the form of a distributed mode acoustic radiator (2), and by a transducer (9) mounted wholly and exclusively on the radiator to vibrate the radiator to cause it to resonate.

IPC 1-7
H04R 1/02; **H04R 7/06**; **H04R 9/06**

IPC 8 full level
H04R 1/02 (2006.01); **H04R 1/22** (2006.01); **H04R 7/04** (2006.01); **H04R 1/00** (2006.01); **H04R 9/06** (2006.01)

CPC (source: EP)
H04R 1/025 (2013.01); **H04R 7/045** (2013.01); **H04R 2201/021** (2013.01)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9709843 A1 19970313; AT E177576 T1 19990315; AU 6881096 A 19970327; AU 703071 B2 19990311; BR 9610450 A 19990615; CA 2230053 A1 19970313; DE 69601725 D1 19990415; DE 69601725 T2 19990916; DK 0847662 T3 19990927; EA 002109 B1 20011224; EA 199800253 A1 19981029; EP 0847662 A1 19980617; EP 0847662 B1 19990310; ES 2131407 T3 19990716; HK 1008640 A1 19990514; HU P9900181 A2 19990528; HU P9900181 A3 20010828; IL 123484 A0 19980924; IL 123484 A 20001206; JP H11514509 A 19991207; NZ 316552 A 19980527; PL 182618 B1 20020228; PL 325272 A1 19980720; RO 119040 B1 20040227; SK 25798 A3 19980909; TR 199800358 T1 19980521

DOCDB simple family (application)
GB 9602153 W 19960902; AT 96929395 T 19960902; AU 6881096 A 19960902; BR 9610450 A 19960902; CA 2230053 A 19960902; DE 69601725 T 19960902; DK 96929395 T 19960902; EA 199800253 A 19960902; EP 96929395 A 19960902; ES 96929395 T 19960902; HK 98109442 A 19980728; HU P9900181 A 19960902; IL 12348496 A 19960902; JP 51095497 A 19960902; NZ 31655296 A 19960902; PL 32527296 A 19960902; RO 9800633 A 19960902; SK 25798 A 19960902; TR 9800358 T 19960902