

Title (en)
DISPLAY SCREENS INCORPORATING LOUDSPEAKERS

Title (de)
LAUTSPRECHER ENTHALTENDE ANZEIGESCHIRME

Title (fr)
ECRANS DE PRESENTATION COMPRENANT DES HAUT-PARLEURS

Publication
EP 0847670 B1 19990310 (EN)

Application
EP 96929386 A 19960902

Priority

- GB 9602137 W 19960902
- GB 9517918 A 19950902
- GB 9522281 A 19951031
- GB 9606836 A 19960330

Abstract (en)
[origin: WO9709853A2] A display screen (32), e.g. a projection screen comprising a panel having a light reflective surface, characterised in that the screen is a distributed mode acoustic radiator loudspeaker having a transducer (9) mounted wholly and exclusively thereon to vibrate the radiator to cause it to resonate to provide an acoustic output.

IPC 1-7
H04R 7/06; **G03B 21/56**

IPC 8 full level
G03B 21/56 (2006.01); **H04R 1/00** (2006.01); **H04R 7/06** (2006.01); **H04R 1/02** (2006.01); **H04R 5/02** (2006.01); **H04R 7/04** (2006.01)

CPC (source: EP)
H04R 5/02 (2013.01); **H04R 7/045** (2013.01); **H04R 7/06** (2013.01); **H04R 2307/029** (2013.01); **H04R 2499/15** (2013.01)

Citation (examination)
JP H0279687 A 19900320 - MURATA MANUFACTURING CO

Cited by
DE102004032223A1; EP0984659A3; DE102005058175A1; US9749750B2

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 9709853 A2 19970313; **WO 9709853 A3 19970403**; AT E177579 T1 19990315; AU 6880196 A 19970327; AU 702865 B2 19990311; BR 9610553 A 19991221; CA 2234944 A1 19970313; CN 1195461 A 19981007; CZ 58598 A3 19980812; DE 69601729 D1 19990415; DE 69601729 T2 19990916; DK 0847670 T3 19990927; EA 000619 B1 19991229; EA 199800260 A1 19980827; EP 0847670 A1 19980617; EP 0847670 B1 19990310; ES 2130845 T3 19990701; HK 1008646 A1 19990514; HU P9901396 A2 19990830; HU P9901396 A3 20020228; IL 123486 A0 19980924; IL 123486 A 20001031; JP H11512245 A 19991019; NZ 316543 A 19981028; PL 325235 A1 19980706; RO 119050 B1 20040227; SK 26698 A3 19980909; TR 199800362 T1 19980521

DOCDB simple family (application)
GB 9602137 W 19960902; AT 96929386 T 19960902; AU 6880196 A 19960902; BR 9610553 A 19960902; CA 2234944 A 19960902; CN 96196705 A 19960902; CZ 58598 A 19960902; DE 69601729 T 19960902; DK 96929386 T 19960902; EA 199800260 A 19960902; EP 96929386 A 19960902; ES 96929386 T 19960902; HK 98109451 A 19980728; HU P9901396 A 19960902; IL 12348696 A 19960902; JP 51094197 A 19960902; NZ 31654396 A 19960902; PL 32523596 A 19960902; RO 9800497 A 19960902; SK 26698 A 19960902; TR 9800362 T 19960902