

Title (en)

ACOUSTIC DEVICE RELYING ON BENDING WAVE ACTION

Title (de)

AKUSTISCHE VORRICHTUNG NACH DEM BIEGEWELLENPRINZIP

Title (fr)

DISPOSITIF ACOUSTIQUE AYANT RECOURS A L'ACTION D'UNE ONDE DE FLEXION

Publication

EP 1068770 A1 20010117 (EN)

Application

EP 99910539 A 19990330

Priority

- GB 9900848 W 19990330
- GB 9806994 A 19980402

Abstract (en)

[origin: WO9952324A1] Acoustic device comprising a member relying on bending wave action with beneficial distribution of resonant modes thereof, wherein the member has its acoustically active area at least partly bounded by means having a substantially restraining nature in relation to bending wave vibration. Operation can be below coincidence, or above if desired for active acoustic device further having beneficial location of bending wave transducer means determined with reference to and taking account of such bounding means.

IPC 1-7

H04R 7/06; H04R 7/22

IPC 8 full level

H04R 1/22 (2006.01); **H04R 7/04** (2006.01); **H04R 7/06** (2006.01); **H04R 7/22** (2006.01)

CPC (source: EP KR)

H04R 7/045 (2013.01 - EP); **H04R 7/06** (2013.01 - KR); **H04R 7/22** (2013.01 - EP)

Cited by

US10362395B2; US10986446B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9952324 A1 19991014; AR 018832 A1 20011212; AT E294492 T1 20050515; AU 2947199 A 19991025; AU 746216 B2 20020418; BG 104810 A 20010731; BR 9909901 A 20001226; CA 2326161 A1 19991014; CN 1143593 C 20040324; CN 1296720 A 20010523; CO 4830489 A1 19990830; CZ 20003591 A3 20010117; CZ 300065 B6 20090121; DE 69924990 D1 20050602; DE 69924990 T2 20060223; EA 003215 B1 20030227; EA 200001016 A1 20010226; EP 1068770 A1 20010117; EP 1068770 B1 20050427; GB 0020986 D0 20001011; GB 2350008 A 20001115; GB 2350008 B 20010502; GB 9806994 D0 19980603; HK 1032504 A1 20010720; HU P0102859 A2 20011228; HU P0102859 A3 20030328; ID 27055 A 20010222; IL 138312 A0 20011031; JP 2002511682 A 20020416; JP 4258696 B2 20090430; KR 20010042428 A 20010525; NO 20004921 D0 20000929; NO 20004921 L 20001128; NZ 506731 A 20030228; PL 343115 A1 20010730; SK 14552000 A3 20010510; TR 200002878 T2 20010122; TW 475340 B 20020201; ZA 200004746 B 20010627

DOCDB simple family (application)

GB 9900848 W 19990330; AR P990101512 A 19990331; AT 99910539 T 19990330; AU 2947199 A 19990330; BG 10481000 A 20000929; BR 9909901 A 19990330; CA 2326161 A 19990330; CN 99804693 A 19990330; CO 99019187 A 19990330; CZ 20003591 A 19990330; DE 69924990 T 19990330; EA 200001016 A 19990330; EP 99910539 A 19990330; GB 0020986 A 19990330; GB 9806994 A 19980402; HK 01102906 A 20010424; HU P0102859 A 19990330; ID 20001946 A 19990330; IL 13831299 A 19990330; JP 2000542953 A 19990330; KR 20007011016 A 20001002; NO 20004921 A 20000929; NZ 50673199 A 19990330; PL 34311599 A 19990330; SK 14552000 A 19990330; TR 200002878 T 19990330; TW 88105320 A 19990402; ZA 200004746 A 20000908