

Title (en)

ACOUSTIC RESONATOR WITH BORED OPEN VOLUME

Title (de)

AKUSTISCHER RESONATOR MIT OFFENEM DURCHLÖCHERTEM VOLUMEN

Title (fr)

RESONATEUR ACOUSTIQUE A VOLUME OUVERT TROUE

Publication

EP 1135766 A1 20010926 (FR)

Application

EP 99932951 A 19990722

Priority

- FR 9901806 W 19990722
- FR 9815243 A 19981130

Abstract (en)

[origin: US2003029669A1] The creation of sounds by musical instruments or sound reproduction systems is not perfect, but acoustic dissonances inherent in the production of sound generators can be corrected. The present method uses open volumes, such as a glass, possibly provided with a cutoff, a fragmentation creating at least one opening. This object placed close to or on a sound generator frees additional sound waves to harmonise with the sound generator by means of mechanical coupling or an air sound link due to the volume of the resonator and its fragmentation. A device made of a material with a Shore hardness of more than 60 makes it possible via its foot fixed to a piano to transmit mechanical sound vibrations. Method and device constitute an effective improvement in the reproduction and creation of sounds.

IPC 1-7

G10K 11/04; **G10C 3/06**

IPC 8 full level

G10K 11/02 (2006.01); **G10C 3/06** (2006.01); **G10K 11/04** (2006.01)

CPC (source: EP KR US)

G10C 3/06 (2013.01 - EP US); **G10K 11/04** (2013.01 - EP KR US)

Citation (search report)

See references of WO 0033291A1

Cited by

AT504364B1; EP1717057A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 2003029669 A1 20030213; **US 6777603 B2 20040817**; AU 4915699 A 20000619; BR 9915796 A 20010821; CA 2352989 A1 20000608; CN 1333908 A 20020130; EP 1135766 A1 20010926; FR 2786599 A1 20000602; FR 2786599 B1 20020830; HK 1040311 A1 20020531; IL 143465 A0 20020421; IL 143465 A 20060705; JP 2002531881 A 20020924; KR 20010093795 A 20011029; NO 20012652 D0 20010530; NO 20012652 L 20010705; WO 0033291 A1 20000608

DOCDB simple family (application)

US 22278902 A 20020819; AU 4915699 A 19990722; BR 9915796 A 19990722; CA 2352989 A 19990722; CN 99815551 A 19990722; EP 99932951 A 19990722; FR 9815243 A 19981130; FR 9901806 W 19990722; HK 02102037 A 20020315; IL 14346501 A 20010530; IL 14346599 A 19990722; JP 2000585858 A 19990722; KR 20017006722 A 20010530; NO 20012652 A 20010530