

Title (en)
REACTIVE SOUND ABSORBER

Title (de)
REAKTIVER SCHALLDÄMPFER

Title (fr)
AMORTISSEUR DE BRUIT REACTIF

Publication
EP 0898774 A1 19990303 (DE)

Application
EP 97923077 A 19970514

Priority
• DE 19619466 A 19960514
• EP 9702471 W 19970514

Abstract (en)
[origin: WO9743754A1] A reactive sound absorber has a sensor for detecting the sound intensity in a space, for example a channel, which consists of a signal amplifier (6) for amplifying the detected signal, an electroacoustic transducer (7) and a cavity (4) with at least one membrane (3). The vibratory membrane (3) is part of a wall of the space, for example the channel wall (1), the sensor (5) is arranged close to, in or on the membrane (3) and detects the vibrations of the membrane, and the sensor signal inverted and amplified by the amplifier (6) controls the vibration of the membrane through the electroacoustic transducer (7).

IPC 1-7
G10K 11/178

IPC 8 full level
G10K 11/178 (2006.01)

CPC (source: EP US)
G10K 11/17857 (2017.12 - EP US); **G10K 11/17875** (2017.12 - EP US); **G10K 2210/112** (2013.01 - EP US); **G10K 2210/3026** (2013.01 - EP US); **G10K 2210/3217** (2013.01 - EP US); **G10K 2210/32271** (2013.01 - EP US)

Citation (search report)
See references of WO 9743754A1

Cited by
DE102005048905B3; DE102013210709A1; WO2017077233A1; WO2017077231A1; WO2017077235A1

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 9743754 A1 19971120; AT E203849 T1 20010815; DE 59704196 D1 20010906; DK 0898774 T3 20011022; EP 0898774 A1 19990303; EP 0898774 B1 20010801; ES 2162292 T3 20011216; GR 3037001 T3 20020131; PT 898774 E 20020130; US 6385321 B1 20020507

DOCDB simple family (application)
EP 9702471 W 19970514; AT 97923077 T 19970514; DE 59704196 T 19970514; DK 97923077 T 19970514; EP 97923077 A 19970514; ES 97923077 T 19970514; GR 20010401874 T 20011024; PT 97923077 T 19970514; US 18089999 A 19990902