

Title (en)
REACTIVE SOUND ABSORBER

Title (de)
REAKTIVER SCHALLDÄMPFER

Title (fr)
AMORTISSEUR DE BRUIT REACTIF

Publication
EP 0898774 B1 20010801 (DE)

Application
EP 97923077 A 19970514

Priority
• DE 19619466 A 19960514
• EP 9702471 W 19970514

Abstract (en)
[origin: US6385321B1] A reactive sound attenuator which includes a sensor for detecting a sound parameter in a space, e.g. a duct, consists of a signal amplifier that is used to amplify a detected signal, an electroacoustic transducer and a cavity with at least one membrane. The membrane, which is capable of moving in a vibratory manner, is part of a wall of a space, e.g. a duct wall. A sensor, which is disposed in the immediate vicinity of, in or on the membrane, detects the vibrations of the membrane. The sensor's signal, which is amplified and inverted by the amplifier, controls the membrane vibration via the electroacoustic transducer.

IPC 1-7
G10K 11/178

IPC 8 full level
G10K 11/178 (2006.01)

CPC (source: EP US)
G10K 11/17857 (2018.01 - EP US); **G10K 11/17875** (2018.01 - 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)

Cited by
DE102005048905B3; DE102013210709A1; WO2017077231A1; WO2017077235A1; WO2017077233A1

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

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