

Title (en)
PORTABLE TIGHT DEVICE WITH AN ELECTRO-ACOUSTIC TRANSDUCER

Title (de)
TRAGBARE STRAFFE EINRICHTUNG MIT ELEKTROAKUSTISCHEM WANDLER

Title (fr)
APPAREIL PORTABLE ETANCHE AVEC TRANSDUCTEUR ELECTROACOUSTIQUE

Publication
EP 1584001 A1 20051012 (FR)

Application
EP 03799586 A 20031218

Priority
• EP 03799586 A 20031218
• EP 0351047 W 20031218
• EP 03075099 A 20030108

Abstract (en)
[origin: WO2004066041A1] The invention relates to a portable tight device (1) comprising a housing (2) with an electro-acoustic transducer (21) mounted therein. Said electro-acoustic transducer is separated from an input cavity (11) in a fluid-tight manner by means of a deformable membrane (15). The input cavity is embodied inside the housing and communicates directly with the outside. The electro-acoustic transducer and the input cavity are disposed in a collateral manner such that at least one part of the transducer and the cavity respectively, whose thickness is predetermined, is disposed in a same section (28) of the housing and an acoustic channel links the transducer to the membrane in order to transmit acoustic vibrations.

IPC 1-7
G04B 37/00; G04G 1/00; G04G 13/02; G04C 21/02; H04R 1/08; G04B 37/08

IPC 8 full level
G04G 21/04 (2010.01); **G04B 37/00** (2006.01); **G04B 37/08** (2006.01); **G04B 47/00** (2006.01); **G04C 3/00** (2006.01); **G04C 21/02** (2006.01); **G04G 13/02** (2006.01); **G04G 99/00** (2010.01); **H04R 1/08** (2006.01)

CPC (source: EP US)
G04B 37/0075 (2013.01 - EP US); **G04B 47/00** (2013.01 - EP US); **G04C 3/001** (2013.01 - EP US); **G04G 21/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2004066041A1

Cited by
CN102591190A

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
WO 2004066041 A1 20040805; AU 2003299253 A1 20040813; DE 60336684 D1 20110519; EP 1584001 A1 20051012; EP 1584001 B1 20110406; JP 2006513427 A 20060420; JP 4310791 B2 20090812; US 2006114751 A1 20060601; US 7414922 B2 20080819

DOCDB simple family (application)
EP 0351047 W 20031218; AU 2003299253 A 20031218; DE 60336684 T 20031218; EP 03799586 A 20031218; JP 2004566832 A 20031218; US 54153405 A 20050708