

Title (en)

Water resistant device for immersion in water and comprising a sound transducer

Title (de)

Wasserdichte Vorrichtung zur Verwendung unter Wasser und mit einem Schallwandler

Title (fr)

Appareil étanche susceptible d'être immergé et comprenant un transducteur sonore

Publication

**EP 1063632 A1 20001227 (FR)**

Application

**EP 99112092 A 19990623**

Priority

EP 99112092 A 19990623

Abstract (en)

A watchcase (1) has a support (9) at its base for a microphone and loudspeaker transducer (22) mounted on a deformable membrane (17). The membrane has a rim (18) which is glued to the support (9) and the transducer (22) is held in position by elastic fittings (20). The transmission of vibrations from the transducer to the watchcase is blocked by a peripheral rim (40) on the deformable membrane.

IPC 1-7

**G10K 9/122**; **G04B 37/00**; **G04B 37/11**

IPC 8 full level

**G04B 37/00** (2006.01); **G04B 37/11** (2006.01); **G10K 9/122** (2006.01)

CPC (source: EP)

**G04B 37/0075** (2013.01); **G04B 37/11** (2013.01); **G10K 9/122** (2013.01)

Citation (applicant)

EP 0899635 A1 19990303 - ASULAB SA [CH]

Citation (search report)

- [DA] EP 0899635 A1 19990303 - ASULAB SA [CH]
- [A] US 3779337 A 19731218 - GREGORY W
- [A] FR 840047 A 19390418 - CSF
- [A] DE 4114180 A1 19921105 - MICROSONIC GES FUER MIKROELEKT [DE]

Cited by

CN105527819A; BE1016058A3; FR2880768A1; EP2461219A1; US8665676B2; US7414922B2; US11169488B2; WO2006075083A2; US8181735B2; WO2005116989A1; WO2006075083A3; WO2004066041A1; WO2016062324A1

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DOCDB simple family (application)

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