

Title (en)  
Timepiece

Title (de)  
Uhr

Title (fr)  
Pièce d'horlogerie

Publication  
**EP 1795978 A3 20080618 (DE)**

Application  
**EP 06022988 A 20061104**

Priority  
DE 102005058322 A 20051207

Abstract (en)  
[origin: EP1795978A2] The clock has a housing (1) whose interior (2) has an opening that is closed by a cover glass. A sound opening (3) provided in a base side of the housing is closed by a diaphragm (10). The diaphragm is closed by its radial circumferential edge region at a corresponding ring surface of the housing. A vibration generator is arranged in the interior of the housing, and a radial circumferential edge of the diaphragm is tensile loaded radially outward by a tension device.

IPC 8 full level  
**G04B 37/00** (2006.01); **G04B 37/11** (2006.01)

CPC (source: EP US)  
**G04B 37/0075** (2013.01 - EP US); **G04B 37/11** (2013.01 - EP US)

Citation (search report)

- [XAY] CH 323231 A 19570715 - SIMON EDGAR [CH]
- [Y] US 4216650 A 19800812 - HARA YOSHIAKI [JP], et al
- [A] DE 902479 C 19570328 - JUNGHANS GEB AG [DE]
- [A] CH 324394 A 19570915 - SIMON EDGAR [CH]
- [A] US 3879931 A 19750429 - YASUDA TETUYA, et al

Cited by  
EP4113219A1; EP3009894A1; EP2461219A1; EP2881806A1; US8369188B2; US8665676B2; US9658601B2; EP2367078A1; EP3404493A1; US11978427B2; US9519271B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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DE 102005058322 B4 20070906; DE 502006008655 D1 20110217; HK 1100189 A1 20070907; US 2007140067 A1 20070621;  
US 7995776 B2 20110809

DOCDB simple family (application)  
**EP 06022988 A 20061104**; DE 102005058322 A 20051207; DE 502006008655 T 20061104; HK 07107423 A 20070711;  
US 63467006 A 20061206