

Title (en)
Watch comprising a microphone built into the watch case

Title (de)
Armbanduhr mit eingebautem Mikrophon im Uhrgehäuse

Title (fr)
Montre comprenant un microphone intégré dans le boîtier de la montre

Publication
EP 2199877 B1 20110727 (FR)

Application
EP 08168370 A 20081105

Priority
EP 08168370 A 20081105

Abstract (en)
[origin: US2010111333A1] A watch (1) has a microphone (16) placed in a watchcase (2), a bracelet (3) with two end parts respectively attached to two opposite sides of the case and at least one through aperture (7) made in a lateral wall (12) of the case. The through aperture defines a first sound wave guide channel, and opens into the case in the direction of said microphone. The microphone is connected in the case to a sound wave processing unit circuit (19) for voice recognition. The watch further includes an audio guide member (6) fitted with a second open sound wave guide channel that comes into direct contact with the external surface of the lateral wall of the case across an area (13) that extends on either side of the aperture so as to guide the sound waves towards said first channel. This guide member may be made in an end part of the bracelet. In this manner, any interference from reflecting cavities, edges or surfaces in said area close to the aperture can be removed or attenuated.

IPC 8 full level
G04G 21/06 (2010.01)

CPC (source: EP KR US)
G04B 43/00 (2013.01 - KR); **G04B 47/00** (2013.01 - KR); **G04G 21/06** (2013.01 - EP US)

Cited by
EP3696618A1; US11320788B2

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
US 2010111333 A1 20100506; US 8477981 B2 20130702; CN 101738928 A 20100616; CN 101738928 B 20120822; EP 2199877 A1 20100623; EP 2199877 B1 20110727; HK 1145268 A1 20110408; JP 2010112951 A 20100520; JP 5180941 B2 20130410; KR 101270411 B1 20130607; KR 20100050406 A 20100513; SG 161163 A1 20100527; TW 201020701 A 20100601; TW I474137 B 20150221

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US 60670709 A 20091027; CN 200910212211 A 20091105; EP 08168370 A 20081105; HK 10111688 A 20101215; JP 2009253988 A 20091105; KR 20090103574 A 20091029; SG 2009067703 A 20091009; TW 98135601 A 20091021