

Title (en)  
Universal timepiece

Title (de)  
Universaluhr

Title (fr)  
Pièce d'horlogerie universelle

Publication  
**EP 2720090 A1 20140416 (FR)**

Application  
**EP 12188285 A 20121012**

Priority  
• EP 12185275 A 20120920  
• EP 12188285 A 20121012

Abstract (en)  
The timepiece has a winter/summer switching mechanism driven by a timepiece movement. The switching mechanism comprises a rotating actuating element to be driven intermittently by the timepiece movement such that the actuating element performs complete rotation in one year turning in jumps. The actuating element is arranged such that rotation of the element causes dial bearing geographic indications (5) to switch along directions during course of a year. Days of the week counter drive an operating element to rotate during passages from Saturday to Sunday by the timepiece movement.

Abstract (fr)  
La pièce d'horlogerie universelle comporte un mécanisme de commutation hivers/été (27, 29, 31, 25, 19, 19H, 19E, 20, 20H, 20E, 21, 21 E, 21 H, 22, 22E, 22H, 23, 23E, 23H, 11, 11 A, 12, 12A, 13, 13A, 14, 14A, 15, 15A, 17) agencé pour être entraîné de manière intermittente par le mouvement pour décaler sélectivement certaines des indications géographiques portées par le cadran (3) de 1/24 ème de tour, de manière à changer d'une heure l'heure locale associée à ces indications géographiques lors d'un passage de l'heure d'hivers à l'heure d'été ou de l'heure d'été à l'heure d'hiver.

IPC 8 full level  
**G04B 19/22** (2006.01); **G04B 19/23** (2006.01)

CPC (source: EP RU US)  
**G04B 19/22** (2013.01 - US); **G04B 19/223** (2013.01 - EP US); **G04C 3/00** (2013.01 - RU)

Citation (applicant)  
• CH 270085 A 19500815 - COTTIER LOUIS [CH]  
• WO 2012123550 A2 20120920 - SWATCH GROUP RES & DEV LTD [CH], et al

Citation (search report)  
• [AD] WO 2012123550 A2 20120920 - SWATCH GROUP RES & DEV LTD [CH], et al  
• [A] WO 2008125535 A2 20081023 - LOOSLI KURT [CH]  
• [A] DE 202007014239 U1 20071220 - FESTO AG & CO [DE]  
• [A] WO 2012084314 A1 20120628 - GREUBEL FORSEY S A [CH], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2014078869 A1 20140320; US 9025419 B2 20150505;** CN 103676605 A 20140326; CN 103676605 B 20160907; EP 2720090 A1 20140416; EP 2720090 B1 20150527; HK 1196440 A1 20141212; JP 2014062905 A 20140410; JP 5543650 B2 20140709; RU 2013142728 A 20150327; RU 2627024 C2 20170802

DOCDB simple family (application)  
**US 201314029112 A 20130917;** CN 201310427157 A 20130918; EP 12188285 A 20121012; HK 14109577 A 20140924; JP 2013194945 A 20130920; RU 2013142728 A 20130919