

Title (en)
Mechanism for indicating the phases of the moon

Title (de)
Mondphasen-Anzeigemechanismus

Title (fr)
Mecanisme indicateur de phases de lune

Publication
EP 3040789 A1 20160706 (FR)

Application
EP 14200745 A 20141231

Priority
EP 14200745 A 20141231

Abstract (en)
[origin: WO2016107730A1] Mechanism for indicating the phases of the moon for a timepiece equipped with a movement and a dial, the moon phase indicator mechanism comprising at least one moon disc and at least one moon phases geartrain driven by the movement of the timepiece, the moon phase geartrain meshing with a moon phase runner in the form of a toothed annulus so as to move the moon disc at the periphery of the dial about an axis A arranged at the centre of the dial via the moon phase geartrain, the moon phase runner bearing at least indirectly and fixedly the moon disc, via an intermediate component, mounted on the toothed annulus, the intermediate component surrounding the dial and the movement.

Abstract (fr)
L'invention se rapporte à un mécanisme indicateur de phases de lune, pour une pièce d'horlogerie munie d'un mouvement et d'un cadran, le mécanisme indicateur de phases de lune comprenant au moins un disque de lune, et au moins un rouage de phases de lune entraîné par le mouvement de la pièce d'horlogerie, le rouage des phases de lune engrenant avec une roue de phases de lune qui porte au moins indirectement et de manière fixe le disque de lune, la roue de phases de lune se présentant sous la forme d'un anneau denté de manière à déplacer le disque de lune par le biais du rouage de phases de lune autour d'un axe A.

IPC 8 full level
G04B 19/26 (2006.01)

CPC (source: CN EP KR RU US)
G04B 19/042 (2013.01 - CN EP KR RU); **G04B 19/046** (2013.01 - CN EP KR RU); **G04B 19/26** (2013.01 - US); **G04B 19/262** (2013.01 - US); **G04B 19/268** (2013.01 - CN EP KR RU US); **G04B 45/046** (2013.01 - CN EP KR RU); **G04B 19/042** (2013.01 - US); **G04B 19/046** (2013.01 - US); **G04B 45/046** (2013.01 - US)

Citation (applicant)
EP 2009517 A1 20081231 - ETA SA MFT HORLOGERE SUISSE [CH]

Citation (search report)
• [XAYI] CH 703447 B1 20120131 - ANTOINE PREZIUSO GENEVE SA [CH]
• [X] EP 0107177 A1 19840502 - ERARD RAOUL HENRI
• [Y] JP 2009216547 A 20090924 - SEIKO EPSON CORP
• [Y] DE 102013109288 B3 20140522 - LANGE UHREN GMBH [DE]
• [YA] AUGEREAU P: "LES ROUAGES LUNAIRES", JAHRBUCH DER DEUTSCHEN GESELLSCHAFT FUR CHRONOMETRIE, DEUTSCHEN GESELLSCHAFT FUR CHRONOMETRIE E.V. STUTTGART, DE, vol. 45, 1 January 1994 (1994-01-01), pages 49 - 58, XP000494981, ISSN: 0373-7616

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)
EP 3040789 A1 20160706; CN 107111276 A 20170829; CN 107111276 B 20200630; EP 3241077 A1 20171108; EP 3241077 B1 20190320; JP 2017538119 A 20171221; JP 6405467 B2 20181017; KR 101979523 B1 20190516; KR 20170088430 A 20170801; RU 2664229 C1 20180815; TW 201629648 A 20160816; TW I679504 B 20191211; US 10365611 B2 20190730; US 2017364031 A1 20171221; WO 2016107730 A1 20160707

DOCDB simple family (application)
EP 14200745 A 20141231; CN 201580071399 A 20151214; EP 15808412 A 20151214; EP 2015079564 W 20151214; JP 2017530321 A 20151214; KR 20177017959 A 20151214; RU 2017127190 A 20151214; TW 104143156 A 20151222; US 201515540604 A 20151214