

Title (en)  
SYNCHRONISATION OF CLOCK RESONATORS

Title (de)  
SYNCHRONISIERUNG DER RESONATOREN EINES UHRWERKS

Title (fr)  
SYNCHRONISATION DE RÉSONATEURS D'HORLOGERIE

Publication  
**EP 2995999 B1 20171213 (FR)**

Application  
**EP 14186911 A 20140929**

Priority  
• EP 14184155 A 20140909  
• EP 14184631 A 20140912  
• CH 13612014 A 20140909  
• EP 14186911 A 20140929

Abstract (en)  
[origin: US2016091863A1] Coupling mobile member for synchronising two resonators, each including an interface pin periodically following a plane, closed trajectory, including grooves for holding the pins equidistant from an axis on a structure subjected to a torque about the axis, on which the grooves are coplanar grooves, radial with respect to the axis, for reception of the pins in symmetrical pairs with respect to a main, straight groove passing through the axis, in a plane perpendicular to the axis, and in which slides a main slide-block, which cooperates with a plurality of bars, each hinged on one side to one of the pins, and hinged on the other side to the main slide-block.

IPC 8 full level  
**G04B 17/04** (2006.01)

CPC (source: EP RU US)  
**G04B 15/02** (2013.01 - US); **G04B 17/00** (2013.01 - RU); **G04B 17/04** (2013.01 - US); **G04B 17/045** (2013.01 - EP US);  
**G04B 17/08** (2013.01 - EP US); **G04B 17/10** (2013.01 - US); **G04B 17/26** (2013.01 - EP US); **G04B 17/32** (2013.01 - EP US);  
**G04B 18/04** (2013.01 - US)

Cited by  
FR3059792A1; JP2018503078A; WO2019141789A1; US11934149B2; WO2018100122A1

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

DOCDB simple family (publication)  
**EP 2995999 A1 20160316; EP 2995999 B1 20171213**; CH 710115 A2 20160315; CN 105467812 A 20160406; CN 105467812 B 20171003;  
HK 1223162 A1 20170721; JP 2016070919 A 20160509; JP 5957129 B2 20160727; RU 2015138391 A 20170315; RU 2015138391 A3 20190321;  
RU 2685745 C2 20190423; US 2016091863 A1 20160331; US 9354609 B2 20160531

DOCDB simple family (application)  
**EP 14186911 A 20140929**; CH 14762014 A 20140929; CN 201510548700 A 20150831; HK 16111305 A 20160927; JP 2015150444 A 20150730;  
RU 2015138391 A 20150908; US 201514847090 A 20150908