

Title (en)
NON-MAGNETIC SWIVELLING AXIS

Title (de)
NICHTMAGNETISCHE DREHACHSE

Title (fr)
AXE DE PIVOTEMENT AMAGNETIQUE

Publication
EP 4258064 A1 20231011 (FR)

Application
EP 22167305 A 20220408

Priority
EP 22167305 A 20220408

Abstract (en)
[origin: WO2023194522A1] The invention relates to a pivot pin (1) for a timepiece movement, which is at least partially made of tungsten or a tungsten alloy.

Abstract (fr)
L'invention concerne un axe de pivotement (1) pour mouvement horloger, réalisé au moins en partie dans du tungstène ou dans un alliage de tungstène.

IPC 8 full level
G04B 13/02 (2006.01); **C22C 27/04** (2006.01); **G04B 43/00** (2006.01)

CPC (source: EP)
C22C 27/04 (2013.01); **G04B 13/02** (2013.01); **G04B 17/32** (2013.01); **G04B 43/007** (2013.01); **G04B 15/14** (2013.01)

Citation (search report)

- [XAY] EP 3940112 A1 20220119 - RICHEMONT INT SA [CH]
- [XAI] CH 702774 A4 19751031
- [XA] US 2020133200 A1 20200430 - NAGASAKA EIICHI [JP]
- [I] CN 111996430 B 20210928
- [XA] US 2014198624 A1 20140717 - VON GRUENIGEN CEDRIC [CH], et al
- [Y] PLANSEE: "Tungsten", 20 March 2012 (2012-03-20), Plansee, XP055022737, Retrieved from the Internet <URL:www.plansee.com> [retrieved on 20120323]
- [Y] "Wolfram Werkstoffeigenschaften und Anwendungen", 2 September 2000 (2000-09-02), XP055016931, Retrieved from the Internet <URL:http://www.plansee.com/lib/Tungsten.pdf> [retrieved on 20120119]
- [Y] PLANSEE: "Tungsten-based composites", 20 January 2022 (2022-01-20), XP055964036, Retrieved from the Internet <URL:https://web.archive.org/web/20220120033022/https://www.plansee.com/en/materials/w-mmc.html> [retrieved on 20220922]

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 22167305 A 20220408; EP 2023059119 W 20230406