

Title (en)  
TIMEPIECE OR JEWELLERY ITEM MADE FROM LIGHTWEIGHT PRECIOUS ALLOY COMPRISING TITANIUM

Title (de)  
UHR ODER SCHMUCKSTÜCK AUS EINER LEICHTEN WERTVOLLEN EDELMETALLLEGIERUNG MIT TITAN

Title (fr)  
PIÈCE D'HORLOGERIE OU DE BIJOUTERIE EN ALLIAGE PRÉCIEUX LÉGER COMPORTANT DU TITANE

Publication  
**EP 3241078 B1 20210526 (FR)**

Application  
**EP 15810677 A 20151217**

Priority  
• EP 14200381 A 20141229  
• EP 2015080211 W 20151217

Abstract (en)  
[origin: WO2016107752A1] An external component (1) for a timepiece or jewellery item, made from lightweight precious alloy comprising titanium and palladium, in the atomic composition  $TiaPdbMcTd$ , in which a, b, c and d are atomic fractions of the total, such that  $a+b+c+d=1$ , - a being between 0.44 and 0.55, - b being between 0.30 and 0.45, - c being between 0.04 and 0.24, - d being between 0.001 and 0.03, - in which said alloy comprises, at most, two metals M, chosen from Nb, V, Fe, Co, Au and Pt, - in which each trace of metal T has an atomic proportion of less than 3.0% of the total of said alloy, chosen from Nb, V, Mo, Ta, W, Fe, Co, Ni, Ru, Rh, Ir, Au, Pt, Cr, Mn, Cu, Zn, Ag, Al, B, Si, Ge, Sn, Sb and In, - said alloy comprising at least 0.05% boron, and comprising at least 50% by weight of palladium.

IPC 8 full level  
**G04B 37/22** (2006.01); **A44C 5/00** (2006.01); **A44C 27/00** (2006.01); **C22C 5/02** (2006.01); **C22C 5/04** (2006.01); **C22C 14/00** (2006.01); **C22C 30/00** (2006.01); **C22C 30/02** (2006.01); **G04B 45/00** (2006.01)

CPC (source: CN EP US)  
**A44C 5/00** (2013.01 - CN EP US); **A44C 27/003** (2013.01 - CN EP US); **C22C 5/02** (2013.01 - CN EP US); **C22C 5/04** (2013.01 - CN EP US); **C22C 14/00** (2013.01 - EP US); **C22C 30/00** (2013.01 - CN EP US); **C22C 30/02** (2013.01 - CN EP US); **G04B 37/22** (2013.01 - CN EP US); **G04B 45/0076** (2013.01 - CN EP US)

Citation (examination)  
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