

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 A1 20171108 (FR)

Application
EP 15810677 A 20151217

Priority
• EP 14200381 A 20141229
• EP 2015080211 W 20151217

Abstract (en)
[origin: WO2016107755A1] A lightweight precious alloy made from titanium and gold, comprising at least 750% by weight of gold, characterised in that said alloy has a composition of formula: $Tia Aub Mc Td$ in which a, b, c, d are atomic proportions and such that: $a+b+c+d=1$, $0.45 \leq a \leq 0.55$; $0.41 \leq b \leq 0.495$; $0.025 \leq c \leq 0.13$; $0.001 \leq d \leq 0.025$, in which M represents one or several elements chosen from a first group comprising (Nb, V, Pd, Pt, Fe), in which T represents a maximum of two elements chosen from a second group comprising Nb, V, Pd, Pt, Fe, Mo, Ta, W, Co, Ni, Ru, Rh, Ir, Cr, Mn, Cu, Zn, Ag, Al, B, Si, Ge, Sn, Sb and In, excluding said metals M comprise said alloy. A component for a timepiece, jewellery item or item of personal adornment made from such a lightweight precious alloy made from titanium and gold.

IPC 8 full level
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); **G04B 37/22** (2006.01); **G04B 45/00** (2006.01)

CPC (source: CN EP US)
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Citation (search report)
See references of WO 2016107752A1

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