

Title (en)  
TUNGSTEN ALLOY PART, AND DISCHARGE LAMP USING THE SAME

Title (de)  
WOLFRAMLEGIERUNGSTEIL SOWIE ENTLADUNGSLAMPE DAMIT

Title (fr)  
PIÈCE EN ALLIAGE DE TUNGSTÈNE, ET LAMPE À DÉCHARGE LA COMPORTANT

Publication  
**EP 2871666 B1 20220907 (EN)**

Application  
**EP 12880512 A 20121221**

Priority  
• JP 2012150019 A 20120703  
• JP 2012154977 A 20120710  
• JP 2012083284 W 20121221

Abstract (en)  
[origin: EP2871666A1] Provided is a tungsten alloy part which comprises tungsten and at least two types of components selected from the group consisting of Zr, ZrO<sub>2</sub>, ZrC and C. This tungsten alloy part contains 0.1-5 wt% of Zr in terms of ZrO<sub>2</sub>.

IPC 8 full level  
**H01J 61/06** (2006.01); **C22C 1/04** (2006.01); **C22C 27/04** (2006.01); **H01J 19/10** (2006.01); **H01J 23/04** (2006.01); **H01J 61/067** (2006.01); **H01J 61/073** (2006.01)

CPC (source: EP)  
**C22C 27/04** (2013.01); **C22C 32/00** (2013.01); **H01J 23/04** (2013.01); **H01J 23/05** (2013.01); **H01J 25/50** (2013.01); **H01J 61/0735** (2013.01)

Cited by  
CN108149103A; US11315782B2; WO2018213858A3

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 2871666 A1 20150513; EP 2871666 A4 20160914; EP 2871666 B1 20220907**; CN 103975414 A 20140806; CN 103975414 B 20170308; JP 5911576 B2 20160427; JP WO2014006779 A1 20160602; WO 2014006779 A1 20140109

DOCDB simple family (application)  
**EP 12880512 A 20121221**; CN 201280060372 A 20121221; JP 2012083284 W 20121221; JP 2014523549 A 20121221