

Title (en)  
SCROLL COMPRESSOR WITH BALANCE WEIGHT

Title (de)  
SPIRALVERDICHTER MIT AUSGLEICHSGEWICHT

Title (fr)  
COMPRESSEUR À SPIRALES AVEC MASSE D'ÉQUILIBRAGE

Publication  
**EP 2913531 B1 20200212 (EN)**

Application  
**EP 15155228 A 20150216**

Priority  
JP 2014039904 A 20140228

Abstract (en)  
[origin: EP2913531A1] A scroll compressor comprising: an orbiting scroll (20) joined with a crank pin (12) provided at an end of a drive shaft (11), the orbiting scroll (20) being supported about the shaft (11) by a bearing member (6) via a drive bush (23), so that the orbiting scroll (20) can be driven in a revolving orbital manner, a balance weight (33) provided on the drive bush (23) by means of shrink fitting, and such that  $l/d \geq 0.25$  and  $D/d \geq 1.4$  are satisfied, assuming that, in a shrink fitted portion (35), an axial-direction length of a fitting portion (35) of the balance weight (33) to be shrink fitted to the drive bush (23) is  $l$ , that an inner diameter thereof is  $d$ , and that an outer diameter thereof is  $D$ .

IPC 8 full level  
**F04C 18/02** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)  
**F04C 18/0215** (2013.01); **F04C 29/0021** (2013.01); **F04C 23/008** (2013.01); **F04C 2240/807** (2013.01)

Citation (examination)  
JP 2007327438 A 20071220 - MITSUBISHI HEAVY IND LTD

Cited by  
CN110945245A; CN108431419A; EP3388673A4; AU2017220218B2; GB2583373A; EP3159544A1; EP3159545A1; US11028848B2; US11867182B2; WO2021147337A1

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 2913531 A1 20150902; EP 2913531 B1 20200212**; JP 2015165105 A 20150917; JP 6628957 B2 20200115

DOCDB simple family (application)  
**EP 15155228 A 20150216**; JP 2014039904 A 20140228