

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; EP3159544A1; CN108431419A; EP3388673A4; AU2017220218B2; GB2583373A; EP3159545A1; US11028848B2; US11867182B2; WO2021147337A1

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DOCDB simple family (publication)  
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