

Title (en)
SCROLL FLUID MACHINE

Title (de)
SPIRALFLUIDMASCHINE

Title (fr)
MACHINE À FLUIDE À SPIRALES

Publication
EP 3159544 C0 20231206 (EN)

Application
EP 16194059 A 20161017

Priority
JP 2015206684 A 20151020

Abstract (en)
[origin: EP3159544A1] In a scroll compressor, a bush assembly (37) includes: a bush (41) with a contact end surface (41b) in contact with an end surface (19a) of the rotating shaft (19) when the eccentric pin (25) is inserted therein, being inserted into a boss (35c) at a bottom surface of the orbiting scroll (35); a balance weight (43) with a connected portion (43A) in an outer peripheral portion of the bush (41) near the contact end surface (41b) and a weight (43B) with a cantilevered shape in a portion of an outer periphery of the connected portion (43A) so as to stick out in a direction away from the contact end surface (41b); a stepped portion (47) between the connected portion (43A) and the contact end surface (41b); and at least one joining portion (49) in the stepped portion (47), joining the bush (41) and the connected portion (43A).

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

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 29/0021** (2013.01); **F04C 29/0057** (2013.01); **F04C 2240/60** (2013.01); **F04C 2240/807** (2013.01)

Cited by
US11193488B2; US11655819B2; DE102020203538B4; EP4095386A4; US11225966B2; US11136979B2; DE102019213919B4; WO2022268904A1

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

Participating member state (EPC – UP)
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DOCDB simple family (publication)
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