

Title (en)
SCROLL COMPRESSOR WITH BYPASS PORT

Title (de)
SPIRALVERDICHTER MIT BYPASS

Title (fr)
COMPRESSEUR À SPIRALES COMPRENANT UNE DÉRIVATION

Publication
EP 3339646 B1 20240313 (EN)

Application
EP 17209864 A 20171221

Priority
JP 2016251233 A 20161226

Abstract (en)
[origin: EP3339646A1] Provided is a scroll compressor capable of inhibiting occurrence of pulsation of a fluid. The scroll compressor includes: an on/off valve (38) that opens when the capacity control operation of a fluid is turned on, and returns a mid-compression fluid, which is discharged to an intermediate chamber (81), to a suction chamber (17); and a second check valve (42) that opens when the capacity control operation is turned off and when a pressure in the intermediate chamber (81) becomes higher than a pressure in a discharge chamber (16), and discharges the mid-compression fluid, which is discharged to the intermediate chamber (81), to the discharge chamber (16) via a discharge port (85).

IPC 8 full level
F04C 28/10 (2006.01); **F04C 18/02** (2006.01); **F04C 28/26** (2006.01)

CPC (source: EP)
F04C 18/0207 (2013.01); **F04C 18/0261** (2013.01); **F04C 28/10** (2013.01); **F04C 28/26** (2013.01)

Cited by
US11131302B2; CN110925195A

Designated contracting state (EPC)
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DOCDB simple family (publication)
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