

Title (en)
Scroll compressor

Title (de)
Spiralverdichter

Title (fr)
Compresseur à spirales

Publication
EP 2497954 A3 20160511 (EN)

Application
EP 12158522 A 20120308

Priority
JP 2011051846 A 20110309

Abstract (en)
[origin: EP2497954A2] A scroll compressor including a stationary scroll (41) having a spiral-shaped stationary spiral structure (47) that is vertically provided on one surface of a stationary end plate (45) secured at a stationary-side support position (F) positioned at an outer circumference; and an orbiting scroll (43) having an orbiting end plate (51) that is provided with a spiral-shaped orbiting spiral structure (53) vertically on one surface thereof to be meshed with the stationary end plate (45), and that is supported at a position closer to a center than the stationary-side support position (F) in a manner that allows a revolving motion; wherein, for at least one of a clearance between a tip portion of the stationary spiral structure (47) and the orbiting end plate (51) and a clearance between the orbiting spiral structure (53) and the stationary end plate (45), the clearance (S1) at a side further outward than the orbiting-side support position (C) is made larger than the clearance (S2) at the center side.

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
F04C 18/0276 (2013.01); **F04C 2230/602** (2013.01)

Citation (search report)

- [X] EP 0106287 A1 19840425 - SANDEN CORP [JP]
- [X] JP H04153589 A 19920527 - NIPPON DENSO CO
- [X] JP S59192687 U 19841221

Cited by
CN104696217A; CN103925212A; US9039396B2; US11725656B2; WO2014134058A1; US9360011B2; US9611849B2; US10378539B2

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Designated extension state (EPC)
BA ME

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