

Title (en)

Oil supply structure of scroll compressor

Title (de)

Anordnung zur Ölversorgung eines Spiralverdichters

Title (fr)

Arrangement pour alimentation en huile d'un compresseur à volutes

Publication

**EP 1876357 B1 20110126 (EN)**

Application

**EP 06013933 A 20060705**

Priority

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Abstract (en)

[origin: EP1876357A1] Disclosed herein is an oil supply structure of a scroll compressor. The oil supply structure is provided to prevent a slender hole of an oil supply screw (24) from being clogged with sludge, the oil supply screw being provided between a backpressure space, which is defined between an orbiting scroll and a main frame, and a space which is defined between a fixed scroll and the main frame, and adapted to supply oil from the backpressure space into the space. The oil supply screw includes an orifice having a center hole (28) longitudinally perforated through the center of an upper portion of a screw body of the oil supply screw and a slender hole (29) continuously perforated below the center hole to have the same axis as that of the center hole, and a sludge discharger (30) having a non-flat- plane configuration and formed at a lower entrance end of the screw body.

IPC 8 full level

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CPC (source: EP)

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