

Title (en)

SCROLL COMPRESSOR FOR GENERATING OIL-FREE COMPRESSED AIR

Title (de)

SCROLLVERDICHTER ZUR ERZEUGUNG ÖLFREIER DRUCKLUFT

Title (fr)

COMPRESSEUR À SPIRALE POUR LA PRODUCTION D'AIR COMPRIMÉ SANS HUILE

Publication

EP 4264053 A1 20231025 (DE)

Application

EP 21840854 A 20211217

Priority

- DE 102020134469 A 20201221
- EP 2021086441 W 20211217

Abstract (en)

[origin: WO2022136157A1] A scroll compressor for generating oil-free compressed air, in particular for a compressed air brake system of a lorry, with a drive which is arranged in a housing (4) and is connected to an orbiting displacer scroll (31, 32) which has a displacer scroll bottom (39) and a displacer scroll wall (38), wherein the displacer scroll wall (38) engages into a stationary mating scroll (21, 22), with the result that at least one variable compression chamber (30) is formed between the displacer scroll (31, 32) and the mating scroll (21, 22), wherein a seal element (33) is provided between the displacer scroll (31, 32) and the housing (4), and wherein the seal element (33) is fastened in the displacer scroll bottom (39) and seals against a sliding plate (26) which is connected fixedly to the housing (4). A compressed air brake system with a scroll compressor of this type.

IPC 8 full level

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CPC (source: EP KR US)

F04C 18/0215 (2013.01 - EP KR US); **F04C 18/0253** (2013.01 - EP KR); **F04C 27/001** (2013.01 - US); **F04C 27/008** (2013.01 - EP KR); **F04C 2210/221** (2013.01 - EP KR)

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DOCDB simple family (publication)

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