

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALE

Publication
EP 3919742 A1 20211208 (EN)

Application
EP 20779510 A 20200108

Priority
• JP 2019054819 A 20190322
• JP 2020000319 W 20200108

Abstract (en)
A scroll compressor (1) includes a tubular casing (10) and a circumferential guide (83) formed on an inner peripheral surface of the casing (10) to guide a compressed refrigerant. The circumferential guide (83) and the inner peripheral surface define therebetween a circumferential flow path (90) configured to guide the compressed refrigerant in a circumferential direction and cause the compressed refrigerant to flow out through an outlet (91). The circumferential guide (83) includes an outlet region (84) formed into a shape that allows the circumferential flow path (90) to widen toward the outlet (91). This configuration can reduce oil loss of the scroll compressor.

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

CPC (source: EP)
F04C 18/0215 (2013.01); **F04C 23/008** (2013.01); **F04C 29/026** (2013.01); **F04C 29/12** (2013.01)

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Designated extension state (EPC)
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DOCDB simple family (publication)
EP 3919742 A1 20211208; **EP 3919742 A4 20220330**; CN 113330217 A 20210831; CN 113330217 B 20230110; JP 2020153345 A 20200924; JP 6766913 B2 20201014; WO 2020194994 A1 20201001

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