

Title (en)
DYNAMIC COMPRESSOR AND REFRIGERATION CYCLE DEVICE

Title (de)
DYNAMISCHER VERDICHTER UND KÜHLKREISVORRICHTUNG

Title (fr)
COMPRESSEUR DYNAMIQUE ET DISPOSITIF À CYCLE FRIGORIFIQUE

Publication
EP 3763948 B1 20230906 (EN)

Application
EP 19763984 A 20190108

Priority

- JP 2018038714 A 20180305
- JP 2018044068 A 20180312
- JP 2018078096 A 20180416
- JP 2018105735 A 20180601
- JP 2018237802 A 20181219
- JP 2019000136 W 20190108

Abstract (en)

[origin: EP3763948A1] A dynamic compressor includes a rotating body including a rotating shaft and at least one impeller, a refrigerant flow path that is located around the rotating body and that enables a gas-phase refrigerant to flow therethrough, a main flow path that extends in the axial direction of the rotating body inside the rotating body and that enables a liquid-phase refrigerant to flow therethrough, and an injection flow path that is located inside the rotating body and that branches off from the main flow path and extends from the main flow path to the refrigerant flow path so as to lead a liquid-phase refrigerant from the main flow path to the refrigerant flow path.

IPC 8 full level

F04D 17/10 (2006.01); **F04D 17/12** (2006.01); **F04D 29/053** (2006.01); **F04D 29/28** (2006.01); **F04D 29/58** (2006.01); **F04D 29/70** (2006.01); **F25B 1/053** (2006.01); **F25B 1/06** (2006.01); **F25B 1/10** (2006.01); **F25B 31/00** (2006.01)

CPC (source: EP)

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Citation (examination)

- US 4478553 A 19841023 - LEIBOWITZ HERMAN M [US], et al
- DE 920234 C 19541115 - KUEHNLE AG

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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