

Title (en)
SCREW COMPRESSOR AND REFRIGERATION CYCLE DEVICE

Title (de)
SCHRAUBENVERDICHTER UND KÜHLKREISVORRICHTUNG DAMIT

Title (fr)
COMPRESSEUR À VIS ET DISPOSITIF DE CYCLE DE RÉFRIGÉRATION

Publication
EP 3006740 A4 20170104 (EN)

Application
EP 14803724 A 20140529

Priority

- JP 2013113748 A 20130530
- JP 2014064346 W 20140529

Abstract (en)
[origin: EP3006740A1] A screw compressor includes an economizer passage (50) provided in a casing (1) and allowing an outside of the casing (1) and a slide groove (14) in which a slide valve (12) is provided to communicate with each other, and an economizer port (12p) provided in the slide valve (12) and allowing the economizer passage (50) to communicate with one of compression chambers (11) in accordance with a position of the slide valve (12). The slide valve (12) gradually advances a timing of starting discharge by moving from a discharge side toward a suction side. The economizer port (12p) is provided at a position where the economizer port (12p) communicates with a suction-pressure chamber (1C) when the slide valve (12) is positioned at an extreme end on the suction side.

IPC 8 full level
F04C 18/52 (2006.01); **F04C 28/12** (2006.01); **F04C 28/26** (2006.01); **F25B 1/047** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP)
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Citation (search report)

- [A] EP 2166229 A1 20100324 - DAIKIN IND LTD [JP]
- [A] EP 2518322 A1 20121031 - DAIKIN IND LTD [JP]
- [A] EP 2246572 A1 20101103 - DAIKIN IND LTD [JP]
- [A] US 4610613 A 19860909 - SZYMASZEK PAUL G [US]
- See references of WO 2014192898A1

Cited by
CN106762633A; EP3225848A4; EP3199814A4; US11333148B2

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EP 14803724 A 20140529; CN 201480030486 A 20140529; JP 2014064346 W 20140529; JP 2015519948 A 20140529