

Title (en)
Screw compressor

Title (de)
Schraubenverdichter

Title (fr)
Compresseur à vis

Publication
EP 1396640 B1 20060726 (DE)

Application
EP 03018778 A 20030828

Priority
DE 10242139 A 20020903

Abstract (en)
[origin: EP1396640A2] The compressor has two screw rotors arranged in rotor bores in a compressor casing (10), where the rotors compress a refrigerant. A refrigerant inlet in the casing receives the refrigerant from a supercooling circuit (30) and passes it to an inlet in a system of lines. The inlet opens out into compression spaces enclosed by the rotors and the bores. A damper channel precedes the inlet and associated with the system of lines.

IPC 8 full level
F04C 18/16 (2006.01); **F04C 28/12** (2006.01); **F04C 29/00** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP US)
F04C 18/16 (2013.01 - EP US); **F04C 28/12** (2013.01 - EP US); **F04C 29/0007** (2013.01 - EP US); **F04C 29/0035** (2013.01 - EP US);
F04C 23/008 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1396640 A2 20040310; **EP 1396640 A3 20041117**; **EP 1396640 B1 20060726**; AT E334311 T1 20060815; CN 1312402 C 20070425;
CN 1492150 A 20040428; CY 1105723 T1 20101222; DE 10242139 A1 20040318; DE 50304341 D1 20060907; DK 1396640 T3 20061120;
ES 2269886 T3 20070401; PT 1396640 E 20061031; SI 1396640 T1 20061231; US 2004040332 A1 20040304; US 6898948 B2 20050531

DOCDB simple family (application)
EP 03018778 A 20030828; AT 03018778 T 20030828; CN 03157946 A 20030903; CY 061101521 T 20061024; DE 10242139 A 20020903;
DE 50304341 T 20030828; DK 03018778 T 20030828; ES 03018778 T 20030828; PT 03018778 T 20030828; SI 200330459 T 20030828;
US 65510503 A 20030903