

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 1566544 A3 20050921 (EN)

Application
EP 05003444 A 20050217

Priority
JP 2004042324 A 20040219

Abstract (en)
[origin: EP1566544A2] A compressor includes a suction chamber, a working chamber, a discharge chamber, a discharge valve and a thermal insulating member. A low-pressure compressible fluid resides in the suction chamber. The low-pressure compressible fluid in the suction chamber is introduced into the working chamber and is compressed to a predetermined pressure. The compressed compressible fluid in the working chamber is discharged into the discharge chamber. The discharge valve is interposed between the working chamber and the discharge chamber. The thermal insulating member is disposed in the discharge chamber. The thermal insulating member has an opening restricting portion for restricting the maximum opening degree of the discharge valve. <IMAGE>

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F04B 53/10; F04B 39/10; F04B 27/08

IPC 8 full level
F04B 27/08 (2006.01); **F04B 27/10** (2006.01); **F04B 39/10** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)
F04B 27/1009 (2013.01 - EP US); **F05C 2251/04** (2013.01 - EP US); **F05C 2253/20** (2013.01 - EP US)

Citation (search report)
• [XY] US 5655898 A 19970812 - HASHIMOTO KENJI [JP], et al
• [X] US 6364629 B1 20020402 - SHINTOKU NORIYUKI [JP], et al
• [Y] US 4325680 A 19820420 - BAR ALFREDO
• [Y] US 4450860 A 19840529 - FRANCIS WOODIE R [US], et al

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

DOCDB simple family (publication)
EP 1566544 A2 20050824; **EP 1566544 A3 20050921**; **EP 1566544 B1 20080123**; DE 602005004433 D1 20080313;
JP 2005233054 A 20050902; US 2005186087 A1 20050825

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