

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 2803856 A1 20141119 (EN)

Application
EP 14166957 A 20140505

Priority
JP 2013103709 A 20130516

Abstract (en)
A compressor has therein a suction chamber into which refrigerant gas is introduced, a compression chamber in which the refrigerant gas in the suction chamber is introduced and compressed, and a discharge chamber into which the compressed refrigerant gas is discharged from the compression chamber. The suction chamber and the discharge chamber are formed adjacent to each other while being separated by a partition wall. At least one surface of the partition wall is provided with a thermal insulator which is formed by curing a thermal insulation coating composition. The thermal insulator includes hollow beads and one or more binder resin selected from the group consisting of epoxy resin, polyamide-imide resin, phenolic resin, and polyimide resin.

IPC 8 full level
F04B 27/10 (2006.01); **F04B 39/06** (2006.01)

CPC (source: EP US)
F04B 27/1036 (2013.01 - EP US); **F04B 27/1081** (2013.01 - EP US); **F04B 39/06** (2013.01 - EP US); **F04B 39/121** (2013.01 - US); **F05C 2225/06** (2013.01 - EP US); **F05C 2225/10** (2013.01 - EP US); **F05C 2251/048** (2013.01 - EP US); **F05C 2251/10** (2013.01 - EP US); **F05C 2253/12** (2013.01 - EP US); **F05C 2253/20** (2013.01 - EP US)

Citation (applicant)
JP 2005344654 A 20051215 - DENSO CORP, et al

Citation (search report)
• [YA] JP 2005344654 A 20051215 - DENSO CORP, et al
• [Y] US 5996467 A 19991207 - CHURGAY JON R [US], et al
• [A] US 5777947 A 19980707 - AHUJA KRISHAN KUMAR [US]
• [A] DE 10247623 A1 20040422 - PETERSOHN ARNE [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2803856 A1 20141119; JP 2014224490 A 20141204; US 2014341766 A1 20141120

DOCDB simple family (application)
EP 14166957 A 20140505; JP 2013103709 A 20130516; US 201414276479 A 20140513