

Title (en)
GAS COMPRESSOR

Title (de)
GASVERDICHTER

Title (fr)
COMPRESSEUR DE GAZ

Publication
EP 3239530 A4 20180110 (EN)

Application
EP 15872843 A 20151216

Priority
• JP 2014260491 A 20141224
• JP 2014260492 A 20141224
• JP 2014260500 A 20141224
• JP 2015085193 W 20151216

Abstract (en)
[origin: EP3239530A1] A back pressure space (77) of a vane groove (75) having completed communication with an intermediate-pressure supply groove (67) communicates with a first supply section (69a) until refrigerant pressure in each of compression chambers (33a, 33b, 33c) having been partitioned by vanes (25) of the vane grooves (75) reach the highest pressure, and then high pressure is supplied from the first supply section (69a). At a time point when the back pressure space (77) having completed communication with an intermediate-pressure supply groove (67) communicates with the first supply section (69a) of a high-pressure supply groove (69), the preceding back pressure space (77) adjacent to that back pressure space (77) on the downstream side of the rotation direction X completes communication with the first supply section (69a).

IPC 8 full level
F01C 21/08 (2006.01); **F01C 21/10** (2006.01); **F04C 18/344** (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP US)
F01C 21/0863 (2013.01 - EP US); **F01C 21/108** (2013.01 - EP US); **F04C 18/344** (2013.01 - EP US); **F04C 18/348** (2013.01 - US); **F04C 27/00** (2013.01 - EP US)

Citation (search report)
• [YD] JP 2013194549 A 20130930 - CALSONIC KANSEI CORP
• [Y] US 4455129 A 19840619 - SAKITANI KATSUMI [JP], et al
• [Y] US 4498853 A 19850212 - SAKAMAKI HIROSHI [JP], et al
• See references of WO 2016104274A1

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 3239530 A1 20171101; **EP 3239530 A4 20180110**; CN 107110158 A 20170829; CN 107110158 B 20190122; US 2017350391 A1 20171207; WO 2016104274 A1 20160630

DOCDB simple family (application)
EP 15872843 A 20151216; CN 201580070926 A 20151216; JP 2015085193 W 20151216; US 201515539443 A 20151216