

Title (en)
SCREW COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR À VIS

Publication
EP 3252310 A4 20181010 (EN)

Application
EP 15879918 A 20150128

Priority
JP 2015052275 W 20150128

Abstract (en)
[origin: EP3252310A1] A screw compressor 1 includes a casing body 8, a screw rotor 9 disposed to rotate inside the casing body 8, a slide valve 14 movably provided between the casing body 8 and the screw rotor 9, a high-low pressure partition wall 17 provided to face a back surface side 14f of the slide valve 14 and configured to divide an interior of the casing body 8 into a discharge pressure space and a suction pressure space, and an injection mechanism 20 configured to supply oil to a gap between the high-low pressure partition wall 17 and the back surface side of the slide valve 14 to seal the gap.

IPC 8 full level
F04C 18/16 (2006.01); **F04C 18/52** (2006.01); **F04C 27/00** (2006.01); **F04C 28/12** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F04C 18/16 (2013.01); **F04C 18/52** (2013.01); **F04C 27/008** (2013.01); **F04C 28/12** (2013.01); **F04C 29/0007** (2013.01)

Citation (search report)

- [XA] US 3314597 A 19670418 - BENEDICTUS SCHIBBYE LAURITZ
- [XI] DE 102011051730 A1 20130117 - BITZER KUEHLMASCHINENBAU GMBH [DE]
- [A] US 2013171018 A1 20130704 - INOUE TAKASHI [JP], et al
- See also references of WO 2016121021A1

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

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 15879918 A 20150128; CN 201590001327 U 20150128; JP 2015052275 W 20150128; TW 104111381 A 20150409