

Title (en)

SCREW COMPRESSOR FOR A UTILITY VEHICLE

Title (de)

SCHRAUBENKOMPRESSOR FÜR EIN NUTZFAHRZEUG

Title (fr)

COMPRESSEUR À VIS POUR VÉHICULE UTILITAIRE

Publication

EP 3516171 A1 20190731 (DE)

Application

EP 17769061 A 20170919

Priority

- DE 102016011443 A 20160921
- EP 2017073535 W 20170919

Abstract (en)

[origin: WO2018054854A1] The invention relates to a screw compressor (10) for a utility vehicle, comprising a housing (20), the housing (20) being filled with oil (22), and comprising at least one pair of compressor screws (16, 18), which are mounted in the housing (20) and serve to compress air supplied to the screw compressor (10), wherein in the assembled state a heat exchanger (74) is directly placed onto and installed on the housing (20), by means of which heat exchanger the temperature of the oil (22) contained in the housing (20) can be controlled.

IPC 8 full level

F01C 21/00 (2006.01); **F01C 21/10** (2006.01); **F04C 18/16** (2006.01); **F04C 29/02** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP KR US)

F01C 21/007 (2013.01 - EP KR US); **F01C 21/10** (2013.01 - EP KR US); **F04C 18/12** (2013.01 - US); **F04C 18/16** (2013.01 - EP KR US); **F04C 29/02** (2013.01 - EP KR US); **F04C 29/04** (2013.01 - EP KR US); **F04C 18/023** (2013.01 - US); **F04C 2210/1005** (2013.01 - KR US); **F04C 2210/221** (2013.01 - KR); **F04C 2240/30** (2013.01 - EP KR US); **F04C 2240/805** (2013.01 - EP KR US); **F04C 2240/806** (2013.01 - EP KR US); **F05B 2210/12** (2013.01 - KR); **F05B 2210/16** (2013.01 - KR); **F05B 2260/301** (2013.01 - KR); **F05B 2260/98** (2013.01 - KR)

Citation (search report)

See references of WO 2018054854A1

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)

DE 102016011443 A1 20180322; BR 112019005083 A2 20190604; CN 109790750 A 20190521; CN 109790750 B 20210622; EP 3516171 A1 20190731; JP 2019532221 A 20191107; JP 6844005 B2 20210317; KR 20190045944 A 20190503; US 11181110 B2 20211123; US 2019203718 A1 20190704; WO 2018054854 A1 20180329

DOCDB simple family (application)

DE 102016011443 A 20160921; BR 112019005083 A 20170919; CN 201780058097 A 20170919; EP 17769061 A 20170919; EP 2017073535 W 20170919; JP 2019536663 A 20170919; KR 20197010883 A 20170919; US 201916295781 A 20190307