

Title (en)

SCREW COMPRESSOR SYSTEM FOR A UTILITY VEHICLE

Title (de)

SCHRAUBENKOMPRESSORSYSTEM FÜR EIN NUTZFAHRZEUG

Title (fr)

SYSTÈME DE COMPRESSEUR À VIS POUR VÉHICULE UTILITAIRE

Publication

**EP 3516232 A1 20190731 (DE)**

Application

**EP 17769062 A 20170919**

Priority

- DE 102016011439 A 20160921
- EP 2017073538 W 20170919

Abstract (en)

[origin: WO2018054856A1] The present application relates to a screw compressor system (100) for a utility vehicle having at least one screw compressor (10) and at least one open-loop and/or closed-loop control unit (130) for open-loop and/or closed-loop drive control of the screw compressor (10), wherein the screw compressor (10) comprises at least one air outlet (51) having at least one minimum pressure valve (50) for controlling the operating pressure at the air outlet (51) and at least one relief valve (80), wherein the screw compressor (10) can be switched off by means of the open-loop and/or closed-loop control unit (130) such that, by opening the relief valve (80), the operating pressure within the screw compressor (10) is reduced for a predetermined period of time, in order to make it possible to close the minimum pressure valve (50).

IPC 8 full level

**F04C 28/26** (2006.01); **F04C 18/16** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP KR)

**B60T 13/26** (2013.01 - KR); **B60T 17/02** (2013.01 - EP KR); **F04C 18/16** (2013.01 - EP KR); **F04C 28/06** (2013.01 - EP KR); **F04C 28/26** (2013.01 - EP KR); **F04C 29/124** (2013.01 - KR); **F04C 29/124** (2013.01 - EP); **F04C 2210/1005** (2013.01 - KR); **F04C 2210/221** (2013.01 - KR); **F05B 2210/12** (2013.01 - KR); **F05B 2210/16** (2013.01 - KR)

Citation (search report)

See references of WO 2018054856A1

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 102016011439 A1 20180322**; BR 112019005063 A2 20190618; CN 109790840 A 20190521; EP 3516232 A1 20190731; JP 2019529794 A 20191017; KR 20190044682 A 20190430; WO 2018054856 A1 20180329

DOCDB simple family (application)

**DE 102016011439 A 20160921**; BR 112019005063 A 20170919; CN 201780058096 A 20170919; EP 17769062 A 20170919; EP 2017073538 W 20170919; JP 2019536665 A 20170919; KR 20197010170 A 20170919