

Title (en)
COMPRESSOR DEVICE

Title (de)
VERDICHTERVORRICHTUNG

Title (fr)
DISPOSITIF COMPRESSEUR

Publication
EP 3214313 A1 20170906 (EN)

Application
EP 17165818 A 20140902

Priority
• BE 201300580 A 20130905
• EP 14776980 A 20140902
• BE 2014000042 W 20140902

Abstract (en)
Compressor device with at least one compressor (3) with an inlet (4) and an outlet (5) and a channel (6) for channelling the gas flow drawn in by the compressor and the gas flow compressed by the compressor to a consumer, characterised in that the compressor device (1) is provided with a passive element (15) that limits the backflow of the compressed gas from the consumer (7) to the inlet (4) to a set maximum flow.

IPC 8 full level
F04C 23/00 (2006.01); **F04B 39/12** (2006.01); **F04B 41/06** (2006.01); **F04C 29/12** (2006.01); **F04F 5/46** (2006.01)

CPC (source: EP)
F04B 39/123 (2013.01); **F04B 41/06** (2013.01); **F04C 23/001** (2013.01); **F04C 29/12** (2013.01); **F04F 5/465** (2013.01)

Citation (applicant)
EP 2131040 A2 20091209 - TOYOTA JIDOSHOKKI KK [JP]

Citation (search report)
• [XIA] CN 101644627 A 20100210 - UNIV BEIHANG
• [A] GB 1407887 A 19751001 - BARODYNE INC
• [A] EP 2131040 A2 20091209 - TOYOTA JIDOSHOKKI KK [JP]
• [A] EP 1491769 A1 20041229 - TOYOTA JIDOSHOKKI KK [JP]
• [A] JP 2006105064 A 20060420 - SANDEN CORP
• [A] JP S59218380 A 19841208 - HITACHI LTD
• [A] WO 2010067174 A1 20100617 - TEK GLOBAL SRL [IT], et al
• [A] DE 2945857 A1 19810521 - SCHLECHT KARL
• [A] US 2006140791 A1 20060629 - DEMING GLENN I [US], et al

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)
WO 2015031961 A2 20150312; WO 2015031961 A3 20150507; BE 1021301 B1 20151026; EP 3042080 A2 20160713;
EP 3042080 B1 20190508; EP 3042080 B2 20220810; EP 3214313 A1 20170906; EP 3214313 B1 20210324; EP 3859158 A1 20210804;
ES 2741199 T3 20200210; ES 2741199 T5 20221124; ES 2874254 T3 20211104; TR 201911182 T4 20190821

DOCDB simple family (application)
BE 2014000042 W 20140902; BE 201300580 A 20130905; EP 14776980 A 20140902; EP 17165818 A 20140902; EP 21164419 A 20140902;
ES 14776980 T 20140902; ES 17165818 T 20140902; TR 201911182 T 20140902