

Title (en)
COMPRESSOR DEVICE

Title (de)
VERDICHTERVORRICHTUNG

Title (fr)
DISPOSITIF COMPRESSEUR

Publication
EP 3214313 B1 20210324 (EN)

Application
EP 17165818 A 20140902

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

Abstract (en)
[origin: WO2015031961A2] 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 (opposition)
Opponent : KAESER KOMPRESSOREN SE, DE
• CN 101644627 A 20100210 - UNIV BEIHANG
• GB 1407887 A 19751001 - BARODYNE INC
• US 5530214 A 19960625 - MOREHEAD CLYDE A [US], et al
• US 4693339 A 19870915 - BEALE MICHAEL C [US], et al
• DE 3541838 A1 19870604 - KOPP GMBH INT PIPELINE SERVICE [DE]
• US 6478560 B1 20021112 - BOWMAN JAMES L [US]
• DE 102008064490 A1 20100624 - KAESER KOMPRESSOREN GMBH [DE]
• EP 1715238 A2 20061025 - INGERSOLL RAND CO [US]
• DE 1503640 A1 19690529 - VLASAK ING C SC MIROSLAV
• ANONYMOUS: "Ingersoll Rand Sierra Operation and Maintenance Manual", INGERSOLL RAND SIERRA, January 2010 (2010-01-01), pages 1 - 72, XP055683121
• ANONYMOUS: "Ingersoll Rand Sierra Parts Catalogue", INGERSOLL, May 2004 (2004-05-01), pages 1 - 124, XP055683123
• ANONYMOUS: "Sonic Nozzles", FLOWMAXX ENGINEERING, 15 April 2003 (2003-04-15), pages 1 - 2, XP055909054
• ANONYMOUS: "Mass Flow Choking", FLOWMAXX ENGINEERING, 29 May 2006 (2006-05-29), pages 1 - 2, XP055909056, Retrieved from the Internet <URL:https://www.grc.nasa.gov/www/k-12/airplane/mfchck.html>

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