

Title (en)
COMPRESSOR

Title (de)
KOMPRESSOR

Title (fr)
COMPRESSEUR

Publication
EP 3044462 A1 20160720 (DE)

Application
EP 14733998 A 20140618

Priority
• DE 102013015158 A 20130911
• EP 2014001665 W 20140618

Abstract (en)
[origin: WO2015036065A1] The invention relates to a compressor (10) for compressing air for a compressed air system of a motor vehicle, comprising a cylinder housing (14) and a cylinder head (16) which is connected to said cylinder housing. At least one compressor piston can be moved up and down in an oscillating manner in at least one cylinder in the cylinder housing (14). In the compressor (10), at least one lamella (34, 36) is received in at least one depression (38) in a cylinder head (16) lower face (30) facing the at least one compressor piston, the delivery rate of the compressor (10) being controllable with little loss by closing or opening at least one control channel (60, 60') in the cylinder head (16) using said lamella. A bearing end (44) of the at least one lamella (34, 36) is hinged to a bearing contour (54) of said depression (38) in a pivotally guided manner. By pivotally receiving the bearing end (44) of the lamella (34, 36) on a bearing contour (54) which is partly specified by the depression (38), a separate bearing journal for pivotally bearing the lamella (34, 36) in the cylinder head (16) is rendered superfluous. Thus, the structural design of the cylinder head (16) is simplified in the region of the at least one lamella (34, 36).

IPC 8 full level
F04B 39/10 (2006.01); **F04B 7/00** (2006.01); **F04B 49/035** (2006.01); **F16K 15/16** (2006.01); **F16K 15/18** (2006.01)

CPC (source: EP US)
F04B 7/0046 (2013.01 - EP US); **F04B 39/1073** (2013.01 - EP US); **F04B 49/035** (2013.01 - EP US); **F16K 3/04** (2013.01 - US); **F16K 15/16** (2013.01 - US); **F16K 15/1821** (2021.08 - US)

Citation (search report)
See references of WO 2015036065A1

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)
WO 2015036065 A1 20150319; CN 105531479 A 20160427; DE 102013015158 A1 20150326; EP 3044462 A1 20160720; JP 2016529445 A 20160923; JP 6395192 B2 20180926; KR 20160053918 A 20160513; US 2017321680 A1 20171109; US 9915255 B2 20180313

DOCDB simple family (application)
EP 2014001665 W 20140618; CN 201480050176 A 20140618; DE 102013015158 A 20130911; EP 14733998 A 20140618; JP 2016541826 A 20140618; KR 20167005305 A 20140618; US 201414916209 A 20140618