

Title (en)
CRANKCASE VENTILATION APPARATUS

Title (de)
KURBELGEHÄUSEENTLÜFTUNGSEINRICHTUNG

Title (fr)
DISPOSITIF DE DEGAZAGE DU CARTER DE VILEBREQUIN

Publication
EP 3020934 B1 20190501 (DE)

Application
EP 15193729 A 20151109

Priority
DE 102014223290 A 20141114

Abstract (en)
[origin: US2016138442A1] A vehicle may include an internal combustion engine having a crankcase and a supercharging apparatus, and a crankcase ventilation apparatus having at least one oil-separating apparatus including at least one oil separator. An oil return line may communicate separated oil from the crankcase ventilation apparatus to the crankcase. An ejector pump may be driven via a compressed air flow of the supercharging apparatus and may be configured to generate an underpressure for driving a blow-by gas. The crankcase ventilation apparatus may include a pump control valve configured to at least one of regulate and control the compressed air flow through the ejector pump.

IPC 8 full level
F01M 13/00 (2006.01); **F01M 13/02** (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP US)
F01M 13/00 (2013.01 - EP US); **F01M 13/02** (2013.01 - EP US); **F01M 13/021** (2013.01 - US); **F01M 13/023** (2013.01 - EP US); **F01M 13/04** (2013.01 - EP US); **F02D 23/00** (2013.01 - US); **F01M 2013/0016** (2013.01 - EP US); **F01M 2013/0044** (2013.01 - US); **F01M 2013/005** (2013.01 - US); **F01M 2013/0066** (2013.01 - EP US); **F01M 2013/026** (2013.01 - EP US); **F01M 2013/027** (2013.01 - EP US); **F01M 2013/0427** (2013.01 - US)

Cited by
DE102017111434B4; WO2017153136A1; WO2018041806A1; DE102021108393B3; WO2022207247A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 15193729 A 20151109; DE 102014223290 A 20141114; US 201514941227 A 20151113