

Title (en)

GENERATION OF A VACUUM IN THE CRANKCASE FOR REDUCING PARTICLES NUMBERS

Title (de)

UNTERDRUCKERZEUGUNG IM KURBELGEHÄUSE ZUR PARTIKELZAHLREDUZIERUNG

Title (fr)

GENERATION DE DEPRESSION DANS UN BOITIER DE MANIVELLE POUR LA REDUCTION DU NOMBRE DE PARTICULES

Publication

EP 3101243 B1 20191225 (DE)

Application

EP 16001017 A 20160504

Priority

DE 102015007154 A 20150603

Abstract (en)

[origin: CN106246287A] The present invention relates to a device (V) for an internal combustion engine in order to reduce the amount of particles in the crankcase, which is particularly useful for generating negative pressure in the crankcase (1) and / or for use in crankcase (1), the apparatus having a crankcase (1), at least one combustion chamber (4), at least one oil separator (16) connected to the crankcase (1) and at least one pressure regulating device (17) (1) in the crankcase (1), thereby appropriately reducing the pressure difference between the crankcase (1) and the combustion chamber (4).

IPC 8 full level

F01M 13/00 (2006.01); **F01M 13/02** (2006.01)

CPC (source: CN EP RU)

F01M 13/00 (2013.01 - EP RU); **F01M 13/0011** (2013.01 - EP RU); **F01M 13/021** (2013.01 - CN RU); **F01M 13/04** (2013.01 - CN RU); **F02M 25/06** (2013.01 - CN RU); **F01M 2013/0005** (2013.01 - EP); **F01M 2013/0044** (2013.01 - EP); **F01M 2013/027** (2013.01 - CN EP)

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)

EP 3101243 A1 20161207; **EP 3101243 B1 20191225**; BR 102016012447 A2 20161206; BR 102016012447 B1 20220503; CN 106246287 A 20161221; CN 106246287 B 20200929; DE 102015007154 A1 20161208; RU 2016121421 A 20171205; RU 2016121421 A3 20191003; RU 2721069 C2 20200515

DOCDB simple family (application)

EP 16001017 A 20160504; BR 102016012447 A 20160531; CN 201610385611 A 20160603; DE 102015007154 A 20150603; RU 2016121421 A 20160531