

Title (en)
COOLING SYSTEM AFTER ENGINE SHUT-DOWN, CYLINDER HEAD, AND METHOD FOR OPERATING A COOLING SYSTEM AFTER ENGINE SHUT-DOWN

Title (de)
NACHLAUFKÜHLSYSTEM, ZYLINDERKOPF SOWIE VERFAHREN ZUM BETRIEB EINES NACHLAUFKÜHLSYSTEMS

Title (fr)
SYSTÈME DE REFROIDISSEMENT APRÈS ARRÊT DU MOTEUR ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN TEL SYSTÈME

Publication
EP 3405660 A1 20181128 (DE)

Application
EP 16809349 A 20161207

Priority
• DE 102016200508 A 20160118
• EP 2016079985 W 20161207

Abstract (en)
[origin: WO2017125196A1] Described is a cooling system (22) after engine shut-down comprising a pump (24), a coolant duct (26) for a coolant, and at least one component (20) to be cooled, the coolant duct (26) being associated with a fuel pump (16). A cylinder head (14) for an internal combustion engine (10) and a method for operating the cooling system (22) after engine shut-down are also described.

IPC 8 full level
F01P 11/16 (2006.01); **F01P 3/02** (2006.01)

CPC (source: EP US)
F01P 3/02 (2013.01 - EP US); **F01P 3/20** (2013.01 - US); **F01P 11/16** (2013.01 - EP US); **F02B 39/005** (2013.01 - EP US); **F02F 1/36** (2013.01 - US); **F02M 37/14** (2013.01 - EP US); **F01P 2003/024** (2013.01 - US); **F01P 2031/30** (2013.01 - EP US); **F01P 2060/10** (2013.01 - EP US); **F01P 2060/12** (2013.01 - US); **F01P 2070/50** (2013.01 - US)

Citation (search report)
See references of WO 2017125196A1

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)
DE 102016200508 A1 20170720; CN 108138642 A 20180608; CN 108138642 B 20201225; EP 3405660 A1 20181128; EP 3405660 B1 20200506; US 10781741 B2 20200922; US 2018320577 A1 20181108; WO 2017125196 A1 20170727

DOCDB simple family (application)
DE 102016200508 A 20160118; CN 201680059206 A 20161207; EP 16809349 A 20161207; EP 2016079985 W 20161207; US 201816037293 A 20180717