

Title (en)

MOTOR VEHICLE INTERNAL COMBUSTION ENGINE EGR LOOP

Title (de)

AGR-KREISLAUF EINER VERBRENNUNGSKRAFTMASCHINE FÜR EIN KRAFTFAHRZEUG

Title (fr)

BOUCLE EGR D'UN MOTEUR A COMBUSTION INTERNE D'UN VEHICULE AUTOMOBILE

Publication

EP 2240679 A1 20101020 (FR)

Application

EP 08872752 A 20081218

Priority

- FR 2008001780 W 20081218
- FR 0800026 A 20080103

Abstract (en)

[origin: WO2009106726A1] Motor vehicle internal combustion engine EGR loop in which: when the fresh air flow rate in the air inlet passage (2) of the EGR valve (1) is at its maximum, the EGR gas passage (3) in the valve is gradually opened and, before the EGR gas flow rate in the valve increases any further, the fresh air inlet passage (2) is gradually closed in order to cause the flow rate of the EGR gases to continue to increase in a monotonous increasing curve.

IPC 8 full level

F02M 26/52 (2016.01)

CPC (source: EP KR US)

F02M 26/06 (2016.02 - EP KR US); **F02M 26/22** (2016.02 - KR); **F02M 26/51** (2016.02 - EP US); **F02M 26/52** (2016.02 - EP US); **F02M 26/53** (2016.02 - EP US); **F02M 26/54** (2016.02 - EP KR US); **F02M 26/64** (2016.02 - EP KR US); **F02M 26/71** (2016.02 - EP KR US); **F02M 26/22** (2016.02 - EP US); **Y10T 74/19084** (2015.01 - EP US); **Y10T 137/86855** (2015.04 - EP US); **Y10T 137/87113** (2015.04 - EP US)

Citation (search report)

See references of WO 2009106726A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2926114 A1 20090710; **FR 2926114 B1 20121214**; EP 2240679 A1 20101020; EP 2240679 B1 20180314; EP 2245349 A1 20101103; EP 2245349 B1 20140115; ES 2458316 T3 20140430; JP 2011508850 A 20110317; JP 2011508861 A 20110317; KR 101646278 B1 20160805; KR 20100107494 A 20101005; KR 20100116181 A 20101029; KR 20150040311 A 20150414; PL 2245349 T3 20140630; US 2011048004 A1 20110303; US 2011114211 A1 20110519; US 8381520 B2 20130226; US 8561645 B2 20131022; WO 2009106726 A1 20090903; WO 2009106727 A1 20090903

DOCDB simple family (application)

FR 0800026 A 20080103; EP 08872752 A 20081218; EP 08873011 A 20081218; ES 08873011 T 20081218; FR 2008001780 W 20081218; FR 2008001781 W 20081218; JP 2010541079 A 20081218; JP 2010541080 A 20081218; KR 20107017253 A 20081218; KR 20107017281 A 20081218; KR 20157004865 A 20081218; PL 08873011 T 20081218; US 81111408 A 20081218; US 81111608 A 20081218