

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
3 December 2015 (03.12.2015)



(10) International Publication Number
WO 2015/181602 A8

(51) International Patent Classification:
F02D 41/02 (2006.01) *F01N 9/00* (2006.01)

(21) International Application Number:
PCT/IB2015/000721

(22) International Filing Date:
20 May 2015 (20.05.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2014-109906 28 May 2014 (28.05.2014) JP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

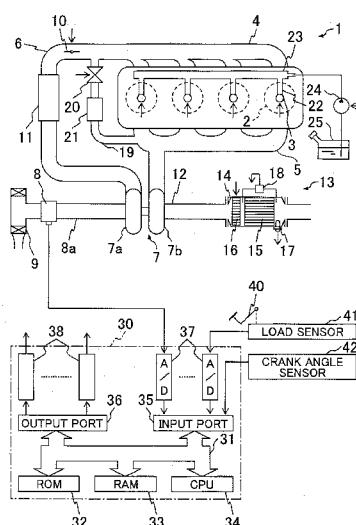
Published:

— with international search report (Art. 21(3))

[Continued on next page]

(54) Title: EXHAUST GAS CONTROL APPARATUS OF INTERNAL COMBUSTION ENGINE

FIG. 1



(57) Abstract: An estimated trapped amount (PM) that is an estimated value of an amount of particulate matter that is trapped in a particulate filter (15) arranged in an engine exhaust passage is calculated based on an engine operating state, and PM removal control is performed when the estimated trapped amount exceeds an upper limit amount. Reference temperature increase control is performed to remove the particulate matter from the particulate filter (15), and an actual temperature that is the temperature of the particulate filter (15) while the reference temperature increase control is being performed is detected. A reference temperature that is the temperature of the particulate filter (15) when it is assumed that the reference temperature increase control has been performed when the amount of particulate matter trapped in the particulate filter (15) is a reference initial trapped amount is stored in advance. The estimated trapped amount is corrected based on the actual temperature and the reference temperature.



(48) Date of publication of this corrected version:

27 October 2016

(15) Information about Correction:

see Notice of 27 October 2016