

Title (en)
COMBINED EGR VALVE AND FRESH AIR VALVE FOR A VEHICLE

Title (de)
VENTIL FÜR EIN FAHRZEUG

Title (fr)
SOUPAPE POUR UN VÉHICULE

Publication
EP 3869027 A1 20210825 (EN)

Application
EP 21154089 A 20210128

Priority
KR 20200021872 A 20200221

Abstract (en)
A vehicle valve includes a housing in which an exhaust gas recirculation (EGR) flow passage and a fresh air flow passage are formed, a driving motor, a gear train connected to the driving motor, a first output gear and a second output gear that are included in the gear train, a moving member installed on the second output gear and rotating together with the second output gear, a first shaft in which an EGR valve is installed and the first shaft fixed to the first output gear, a second shaft on which a fresh air valve is installed, and a rotating member that is connected to the second shaft and that rotates together with the moving member and a fresh air valve output gear and simultaneously rotates the second shaft when selectively coming into contact with the moving member of the second shaft to contact the moving member and then pushing the moving member.

IPC 8 full level
F02M 26/70 (2016.01); **F02M 26/17** (2016.01); **F02M 26/21** (2016.01); **F02M 26/64** (2016.01)

CPC (source: EP KR)
F02M 26/17 (2016.02 - EP); **F02M 26/21** (2016.02 - EP); **F02M 26/54** (2016.02 - KR); **F02M 26/64** (2016.02 - EP); **F02M 26/70** (2016.02 - EP KR); **F02M 26/72** (2016.02 - KR)

Citation (applicant)
• KR 101338272 B1 20131209 - KAMTEC CO LTD [KR]
• KR 101987054 B1 20190610 - KAMTEC CO LTD [KR]
• KR 20170060452 A 20170601 - KAMTEC CO LTD [KR]

Citation (search report)
• [X] KR 20190033133 A 20190329 - HYUNDAI MOTOR CO LTD [KR], et al
• [X] US 2013047968 A1 20130228 - HODEBOURG GREGORY [FR], et al
• [X] FR 2926126 A1 20090710 - VALEO SYS CONTROLE MOTEUR SAS [FR]
• [A] US 2016090950 A1 20160331 - JUN JONGMAN [KR], et al
• [A] US 2013000615 A1 20130103 - HODEBOURG GREGORY [FR], et al

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

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