

Title (en)

CLEANING/COOLING DEVICE, EGR UNIT AND ENGINE SYSTEM

Title (de)

REINIGUNGS-/KÜHLVORRICHTUNG, AGR-EINHEIT UND MOTORSYSTEM

Title (fr)

DISPOSITIF D'ÉPURATION/REFROIDISSEMENT, UNITÉ EGR ET SYSTÈME DE MOTEUR

Publication

EP 2998563 A1 20160323 (EN)

Application

EP 14770225 A 20140318

Priority

- JP 2013055160 A 20130318
- JP 2014001551 W 20140318

Abstract (en)

A cleaning/cooling device (31) is a device constituting a part of an EGR unit (30) and includes: a cleaning portion (33) configured to clean an exhaust gas by using a cleaning liquid; and a cooling portion (34) provided adjacent to the cleaning portion (33) and configured to cool the exhaust gas cleaned by the cleaning portion (33). The cleaning portion (33) includes a liquid area (37) in which the cleaning liquid used for cleaning is pooled. The cooling portion (34) includes a liquid area (41) which receives condensed water generated by cooling the exhaust gas. The liquid area (37) of the cleaning portion (33) and the liquid area (41) of the cooling portion (34) are directly connected to each other.

IPC 8 full level

F02M 26/35 (2016.01); **F02M 26/30** (2016.01); **F02M 26/36** (2016.01)

CPC (source: EP)

F02M 26/30 (2016.02); **F02M 26/35** (2016.02); **F02M 26/36** (2016.02); **F02M 26/05** (2016.02)

Cited by

US10920719B2

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)

EP 2998563 A1 20160323; **EP 2998563 A4 20161130**; CN 104981603 A 20151014; CN 104981603 B 20171031; JP 5940727 B2 20160629; JP WO2014148048 A1 20170216; KR 101784883 B1 20171106; KR 20150121238 A 20151028; WO 2014148048 A1 20140925

DOCDB simple family (application)

EP 14770225 A 20140318; CN 201480009164 A 20140318; JP 2014001551 W 20140318; JP 2015506612 A 20140318; KR 20157027516 A 20140318