

Title (en)

Activation determining system for oxygen sensor

Title (de)

Aktivierungsbestimmungssystem für einen Sauerstoffsensor

Title (fr)

Système de détermination de l'activation pour capteur d'oxygène

Publication

EP 2530288 B1 20151216 (EN)

Application

EP 11185695 A 20111019

Priority

JP 2011122679 A 20110531

Abstract (en)

[origin: EP2530288A2] In an activation determining system, a signal processing circuit is configured to output a signal converging to a predetermined convergence value VP when the oxygen sensor is maintained in the deactivated state. A deactivation determining section is configured to determine that the oxygen sensor is in the deactivated state when an output value Vd (n) from the signal processing circuit varies towards the convergence value VP for a predetermined period of time or longer during execution of fuel supply cut-off or when the output value Vd(n) varies towards the convergence value VP by a predetermined amount or greater during execution of the fuel supply cut-off.

IPC 8 full level

F02D 41/12 (2006.01); **F02D 41/14** (2006.01); **F02D 41/28** (2006.01)

CPC (source: EP)

F02D 41/1486 (2013.01); **F02D 41/123** (2013.01); **F02D 41/1454** (2013.01); **F02D 41/1456** (2013.01); **F02D 2041/281** (2013.01)

Cited by

US2022044503A1; US11869287B2; FR3026142A1; DE102015114108B4

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

DOCDB simple family (publication)

EP 2530288 A2 20121205; **EP 2530288 A3 20141029**; **EP 2530288 B1 20151216**; ES 2557603 T3 20160127; JP 2012251795 A 20121220; TW 201248142 A 20121201; TW I458971 B 20141101

DOCDB simple family (application)

EP 11185695 A 20111019; ES 11185695 T 20111019; JP 2011122679 A 20110531; TW 100142972 A 20111123