

Title (en)
EXHAUST GAS SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ABGASANLAGE FÜR EINE BRENNKRAFTMASCHINE

Title (fr)
SYSTÈME D'ÉCHAPPEMENT POUR UN MOTEUR À COMBUSTION

Publication
EP 3655634 B1 20230503 (DE)

Application
EP 18729938 A 20180606

Priority
• DE 102017212307 A 20170719
• EP 2018064811 W 20180606

Abstract (en)
[origin: WO2019015845A1] The invention relates to an exhaust gas system for an internal combustion engine of a single-track vehicle, wherein the exhaust gas system can be arranged on an exhaust gas outlet of a cylinder head of the internal combustion engine and wherein a first lambda probe close to the cylinder head is provided in the exhaust gas system and is arranged before an exhaust gas cleaning system in the flow direction of an exhaust gas, wherein a second lambda probe is provided in the exhaust gas system after the exhaust gas cleaning system in the flow direction of the exhaust gas, wherein the second lambda probe is arranged at a maximum distance away from the exhaust gas cleaning system equal to four times the diameter of the exhaust gas cleaning system. As a result of the design of the exhaust gas system for an internal combustion engine of a single-track vehicle according to the invention, the lambda probe is arranged in the non-visible region of the single-track vehicle, while simultaneously examining the quality of the exhaust gas cleaning.

IPC 8 full level
F01N 13/00 (2010.01); **F01N 13/02** (2010.01)

CPC (source: EP US)
F01N 1/02 (2013.01 - US); **F01N 11/007** (2013.01 - US); **F01N 13/008** (2013.01 - EP US); **F01N 13/02** (2013.01 - EP);
F01N 2560/025 (2013.01 - EP US); **F01N 2560/14** (2013.01 - EP US); **F01N 2590/04** (2013.01 - EP US); **F01N 2610/148** (2013.01 - EP)

Citation (examination)
• CN 107407215 A 20171128 - HONDA MOTOR CO LTD
• EP 3276149 A1 20180131 - HONDA MOTOR CO LTD [JP]
• US 2017363023 A1 20171221 - ARIMA HISATOYO [JP], 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

DOCDB simple family (publication)
WO 2019015845 A1 20190124; CN 110612384 A 20191224; DE 102017212307 A1 20190124; EP 3655634 A1 20200527;
EP 3655634 B1 20230503; US 11421576 B2 20220823; US 2020049055 A1 20200213

DOCDB simple family (application)
EP 2018064811 W 20180606; CN 201880028723 A 20180606; DE 102017212307 A 20170719; EP 18729938 A 20180606;
US 201916658352 A 20191021