

Title (en)
VEHICLE AND SINGLE-CYLINDER FOUR-STROKE ENGINE UNIT

Title (de)
FAHRZEUG UND EINZYLINDRIGE VIERTAKTMOTOREINHEIT

Title (fr)
VÉHICULE ET GROUPE MOTEUR À QUATRE TEMPS MONOCYLINDRIQUE

Publication
EP 3165730 A4 20171004 (EN)

Application
EP 15815441 A 20150703

Priority

- JP 2014138367 A 20140704
- JP 2014138372 A 20140704
- JP 2015069354 W 20150703

Abstract (en)

[origin: EP3165730A1] An object to provide a vehicle including a single-cylinder four-stroke engine unit with which the purification performance of purifying the exhaust gas by a catalyst is improved and the initial performance of a vehicle regarding the exhaust purification is maintained for a longer time, while the supporting structure is simplified. The upstream end of a single-combustion-chamber main catalyst 39 is provided upstream of the upstream end of a single-combustion-chamber silencer 35 in the flow direction of exhaust gas. The single-combustion-chamber main catalyst 39 purifies the exhaust gas exhausted from one combustion chamber 29 most in the exhaust path extending from the one combustion chamber 29 to a discharge port 35e. A single-combustion-chamber upstream oxygen detector 36 is provided upstream of the single-combustion-chamber main catalyst 39. A single-combustion-chamber downstream oxygen detector 37 is provided downstream of the single-combustion-chamber main catalyst 39.

IPC 8 full level
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CPC (source: EP)
F02B 61/02 (2013.01); **F01N 2560/025** (2013.01); **F01N 2590/04** (2013.01)

Citation (search report)

- [Y] JP 2007187004 A 20070726 - HONDA MOTOR CO LTD
- [Y] US 2014060963 A1 20140306 - ONO MASASHI [JP], et al
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- [Y] JP 2006207571 A 20060810 - HONDA MOTOR CO LTD
- See also references of WO 2016002955A1

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EP3450710A1; EP3236034A4; EP3561246A1; EP3524792A1; TWI727290B; WO2023189494A1

Designated contracting state (EPC)
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