

Title (en)

Exhaust structure for a vehicle

Title (de)

Abgasstruktur für eine Fahrzeugs

Title (fr)

Structure d'échappement pour un véhicule

Publication

EP 2853703 A1 20150401 (EN)

Application

EP 14177403 A 20140717

Priority

JP 2013201246 A 20130927

Abstract (en)

An exhaust structure for a vehicle including a rear cowl (35) covering a vehicle rear portion has a muffler (29) including a first expansion chamber (C1) and a second expansion chamber (C2) partitioned by a partition (65), first and second connecting pipes (67, 68) connecting the expansion chambers, and a tail pipe (69) configured to discharge exhaust gas from the muffler (29). The muffler (29) is covered by the rear cowl (35) such that outlines of the muffler (29) and the rear cowl (35) are each formed such that the width decreases toward the vehicle rear. The tail pipe (69) and the first and second connecting pipes (67, 68) are provided so as to penetrate the partition (65); and the position where the tail pipe (69) penetrates the partition (65) and the positions where the first and second connecting pipes (67, 68) penetrate the partition (65) are vertically offset. This allows the tail pipe to be elongated.

IPC 8 full level

F01N 1/08 (2006.01)

CPC (source: EP)

F01N 1/083 (2013.01); **F01N 1/084** (2013.01); **F01N 1/089** (2013.01); **F01N 2340/04** (2013.01); **F01N 2490/06** (2013.01); **F01N 2590/04** (2013.01)

Citation (applicant)

JP 2005083286 A 20050331 - HONDA MOTOR CO LTD

Citation (search report)

- [A] EP 0448728 A1 19911002 - HONDA MOTOR CO LTD [JP]
- [A] WO 03104075 A1 20031218 - BRUMBY CORP LTD [GB], et al
- [A] WO 2013035566 A1 20130314 - HONDA MOTOR CO LTD [JP], et al
- [AD] JP 2005083286 A 20050331 - HONDA MOTOR CO LTD

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 2853703 A1 20150401; **EP 2853703 B1 20160420**; ES 2571484 T3 20160525; JP 2015068204 A 20150413; JP 5770238 B2 20150826

DOCDB simple family (application)

EP 14177403 A 20140717; ES 14177403 T 20140717; JP 2013201246 A 20130927