

Title (en)

Exhaust system for a motorcycle and motorcycle comprising the same

Title (de)

Abgassystem für ein Motorrad und Motorrad damit

Title (fr)

Système d'échappement pour motocyclette et motocyclette le comportant

Publication

EP 2141330 B1 20110914 (EN)

Application

EP 09008321 A 20090625

Priority

JP 2008174408 A 20080703

Abstract (en)

[origin: EP2141330A1] An exhaust pipe (20) into which an exhaust gas from a single cylinder engine (50) flows is provided with a three way catalyst (90). The exhaust pipe includes a first pipe (42) inserted into a muffler (30) and a second pipe (44) extending toward the downstream side from the first pipe (42) within the muffler (30). A narrowed portion (47) having an inner diameter smaller than that of a cylindrical portion (46) of the first pipe (42) is provided in a downstream-end opening of the first pipe (42). The narrowed portion (47) is inserted into an upstream-end opening of the second pipe (44). A first expansion chamber (70) that integrally encloses the outer periphery and the downstream-end opening of the second pipe (44) is formed within the muffler (30). A plurality of holes (45) are formed in a distributed manner in a region, except a downstream region, of a peripheral surface of the second pipe (44). The length in the axial direction of the downstream region is not less than 1/3 times the inner diameter of the second pipe (44).

IPC 8 full level

F01N 1/08 (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP)

F01N 1/08 (2013.01); **F01N 1/089** (2013.01); **F01N 3/2885** (2013.01); **F01N 2340/02** (2013.01); **F01N 2470/04** (2013.01); **F01N 2470/20** (2013.01); **F01N 2470/30** (2013.01); **F01N 2590/04** (2013.01)

Cited by

CN107387201A; CN113631802A; EP3947929A4; WO2020202219A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

EP 2141330 A1 20100106; **EP 2141330 B1 20110914**; AT E524642 T1 20110915; BR PI0902022 A2 20100413; BR PI0902022 B1 20181204; CN 101619667 A 20100106; CN 101619667 B 20120808; ES 2373260 T3 20120201; JP 2010031852 A 20100212

DOCDB simple family (application)

EP 09008321 A 20090625; AT 09008321 T 20090625; BR PI0902022 A 20090630; CN 200910158712 A 20090703; ES 09008321 T 20090625; JP 2009146880 A 20090619