

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 A1 20100106 (EN)**

Application

**EP 09008321 A 20090625**

Priority

JP 2008174408 A 20080703

Abstract (en)

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)

Citation (applicant)

- DE 102006056414 A1 20070705 - HARLEY DAVIDSON MOTOR CO INC [US]
- US 2006000205 A1 20060105 - BOZMOSKI ALEXANDER J [US], et al

Citation (search report)

- [XY] DE 102006056414 A1 20070705 - HARLEY DAVIDSON MOTOR CO INC [US]
- [Y] US 2006000205 A1 20060105 - BOZMOSKI ALEXANDER J [US], et al

Cited by

CN107387201A; CN113631802A; EP3947929A4; WO2020202219A1

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DOCDB simple family (publication)

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