

Title (en)

Exhaust catalyst mounting structure for motorcycles

Title (de)

Montageanordnung für einen Abgaskatalysator für Motorräder

Title (fr)

Structure de montage de catalyseur pour motocyclettes

Publication

**EP 1643095 A1 20060405 (EN)**

Application

**EP 05017996 A 20050818**

Priority

JP 2004289060 A 20040930

Abstract (en)

The invention realizes an arrangement of an exhaust catalyst in which respective shapes of the exhaust catalyst and a muffler are determined so as to avoid interference with respect to each other. In the invention, a front exhaust pipe 25 and a rear exhaust pipe 26 extending from a front cylinder 23 and a rear cylinder 24 of an engine 10 of a V-shape in the fore-and-aft direction are collected at a collective pipe 27 below the engine 10, and the rear end portion thereof is connected to a cylindrical catalyst pipe 40 disposed at a position overlapped with a rear wheel 9 in side view. A cylindrical exhaust catalyst 41 is stored in the catalyst pipe 40. The catalyst pipe 40 is connected to the collective pipe 27 of small diameter via a front tapered connecting pipe 42, and is connected to a muffler 28 having a substantially inverted triangular cross section with a larger diameter via a rear tapered connecting pipe 43.

IPC 8 full level

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CPC (source: EP)

**F01N 3/2882** (2013.01); **F01N 13/18** (2013.01); **F01N 2230/04** (2013.01)

Citation (search report)

- [A] DE 4431484 A1 19960314 - EBERSPAECHER J [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 01 31 January 1997 (1997-01-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 01 31 January 1997 (1997-01-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 191 (M - 322) 4 September 1984 (1984-09-04)

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EP2119885A4; EP2557290A1; CN102953788A; US8110153B2; WO2006097246A1; US8276372B2

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