

Title (en)
Muffler and saddle type vehicle

Title (de)
Schalldämpfer und Sattelfahrzeug

Title (fr)
Silencieux et véhicule à selle

Publication
EP 2735715 A1 20140528 (EN)

Application
EP 13194540 A 20131127

Priority
JP 2012258672 A 20121127

Abstract (en)
There is provided a muffler which is capable of sufficiently reducing influence from heat generated in a catalyst. There is also provided a saddle type vehicle including the muffler. A saddle type vehicle 10 includes an engine 14 and a muffler 44. The muffler 44 includes an exhaust pipe 46, a silencer 48 and a catalyst 52. The silencer 48 includes a main body portion 68, a first separator 70 and a second separator 72. Inside the main body portion 68, a first expansion chamber X1 is on a rearward side of the second separator 72, a second expansion chamber X2 is on a forward side of the first separator 70, and a third expansion chamber X3 is between the first separator 70 and the second separator 72. The catalyst 52 is held by the exhaust pipe 46 inside the second expansion chamber X2. The exhaust pipe 46 passes through the through-hole 70a without making contact with the first separator 70, and is supported by the second separator 72. Exhaust gas from the engine 14 flows through the exhaust pipe 46, the first expansion chamber X1, the second expansion chamber X2 and the third expansion chamber X3 in this order, and then is released from the main body portion 68.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
JP 2007023866 A 20070201 - HONDA MOTOR CO LTD

Citation (search report)
• [A] DE 29512732 U1 19951102 - ZEUNA STAERKER KG [DE]
• [A] EP 0579956 A1 19940126 - CORNING INC [US]
• [A] EP 2273084 A1 20110112 - HONDA MOTOR CO LTD [JP]
• [A] EP 1939415 A1 20080702 - YAMAHA MOTOR CO LTD [JP]

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Designated contracting state (EPC)
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DOCDB simple family (application)
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