

Title (en)  
Vehicle and muffler protector unit

Title (de)  
Fahrzeug und Auspuffschutz

Title (fr)  
Véhicule et unité de protection de silencieux

Publication  
**EP 2112344 A2 20091028 (EN)**

Application  
**EP 09251149 A 20090422**

Priority  
JP 2008116173 A 20080425

Abstract (en)  
To provide a vehicle and a muffler protector unit that can sufficiently protect a muffler body and also can improve the cooling performance of the muffler body. At least a portion of a rear end surface 24a of a tubular muffler body 24 positioned on one side of a vehicle body is covered by an end cap 53. At least a portion of a right side surface 24c of the muffler body 24 is covered by a first protector 51 positioned on an opposite side of the muffler body relative to the vehicle body frame. A second protector 52 is positioned in the rear of the first protector 51 so as to be spaced apart therefrom in a longitudinal direction X1 of the muffler body 24. The second protector 52 covers the right side surface 24c of the muffler body 24 and uncovers a top area 24d of the muffler body 24. The second protector 52 is narrower than the first protector 51 in a width direction Y1 normal to the longitudinal direction X1 of the muffler body 24 in a lateral side view.

IPC 8 full level  
**F01N 13/08** (2010.01); **B62M 7/02** (2006.01); **F01N 1/08** (2006.01); **F01N 13/14** (2010.01); **F01N 13/16** (2010.01); **F01N 13/20** (2010.01); **F02B 77/11** (2006.01); **F02B 77/13** (2006.01)

CPC (source: EP)  
**F01N 13/14** (2013.01); **F01N 13/20** (2013.01); **F01N 2260/20** (2013.01); **F01N 2590/04** (2013.01)

Citation (applicant)  
JP 2006017046 A 20060119 - HONDA MOTOR CO LTD

Cited by  
EP3348806A4; EP2573339A1; AU2012205285B2; AU2012205285A8

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DOCDB simple family (publication)  
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