

Title (en)

Exhaust system for internal combustion engines, particularly for vehicles

Title (de)

Abgasanlage für Brennkraftmaschinen, insbesondere für Fahrzeuge

Title (fr)

Système d'échappement pour moteurs à combustion interne, en particulier pour véhicules

Publication

EP 1039105 A3 20010307 (DE)

Application

EP 00103987 A 20000225

Priority

DE 19912330 A 19990319

Abstract (en)

[origin: EP1039105A2] The exhaust gas system for an internal combustion motor, and especially for a vehicle, has a measurement probe in the cross section of the exhaust pipe (1) in the exhaust gas flow, with a downstream condensation water trap (2) in the exhaust pipe (1). The condensation water trap (2) is formed at the connecting zone by pipe sections (3,4) pushed into each other, of different dias. to form a ring zone (5) as the condensation water trap (2).

IPC 1-7

F01N 7/00; **F01N 3/00**

IPC 8 full level

F01N 7/00 (2006.01); **F01N 7/08** (2006.01); **F01N 13/00** (2010.01); **F01N 13/08** (2010.01)

CPC (source: EP)

F01N 13/008 (2013.01); **F01N 13/08** (2013.01); **F01N 2240/22** (2013.01)

Citation (search report)

- [Y] US 5133185 A 19920728 - GILBREATH JERRY W [US], et al
- [Y] US 3114617 A 19631217 - ROWE LESTER M, et al
- [XY] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 04 30 April 1999 (1999-04-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06 30 April 1998 (1998-04-30)

Cited by

US9822684B2; WO2007058701A1; EP3061931B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19912330 A1 20000921; EP 1039105 A2 20000927; EP 1039105 A3 20010307

DOCDB simple family (application)

DE 19912330 A 19990319; EP 00103987 A 20000225