

Title (en)

Exhaust pipe for internal combustion engines

Title (de)

Abgasleitung für Brennkraftmaschine

Title (fr)

Tuyau de gaz d'échappement pour moteurs à combustion interne

Publication

**EP 0744537 B1 19990210 (DE)**

Application

**EP 95107779 A 19950522**

Priority

EP 95107779 A 19950522

Abstract (en)

[origin: EP0744537A1] The individual branch pipes of the exhaust system are connected to the catalyser through a connecting sleeve (6) by means of a fixing flange (6a). The connecting sleeve encompasses individual pipe pieces which are connected to a connecting element for the catalyser. The connecting element is annular in cross-section and is sub-divided to correspond to the number of the individual branch pipes. The exhaust pipe is encompassed by a through-air chamber (15,16) formed by outer pipes (13) enclosing the inner pipes (14) of the individual branch pipes and also by the casing enclosure (12) covering the connecting sleeve.

IPC 1-7

**F01N 7/10**; **F01N 7/08**

IPC 8 full level

**F01N 13/08** (2010.01); **F01N 13/10** (2010.01); **F01N 13/14** (2010.01)

CPC (source: EP)

**F01N 13/08** (2013.01); **F01N 13/102** (2013.01); **F01N 13/14** (2013.01); **F01N 13/141** (2013.01); **F01N 2470/16** (2013.01)

Cited by

CN104685179A; EP1749987A3; EP2921669A1; DE10144795A1; DE19722725A1; EP1726798A3; EP1367234A1; GB2309491A; US5761905A; GB2309491B; US9518501B2; US9376936B2; US9347361B2; US7454901B2; WO9854446A1; US7418818B2; WO2014060834A3; WO2011144206A1; EP2921669B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0744537 A1 19961127**; **EP 0744537 B1 19990210**; DE 59505089 D1 19990325; JP H09105327 A 19970422; KR 100404556 B1 20040318

DOCDB simple family (application)

**EP 95107779 A 19950522**; DE 59505089 T 19950522; JP 11790096 A 19960513; KR 19960017147 A 19960521