

Title (en)

Exhaust system of multicylinder internal combustion engines comprising an exhaust manifold made of metal sheet and a catalytic converter

Title (de)

Abgassystem für mehrzylindrige Verbrennungsmotoren umfassend ein Abgassammelrohr aus Blech und einen Katalysator

Title (fr)

Système d'échappement de moteur à combustion interne multi-cylindres comportant un collecteur d'échappement en tôle et un pot catalytique

Publication

EP 1083307 B1 20030312 (DE)

Application

EP 00114082 A 20000707

Priority

DE 19938689 A 19990814

Abstract (en)

[origin: DE19938689A1] The pipe has preformed metal plate upper (1) and lower (2) shells, which are welded in a plane to form a collection space (7), into which individual exhaust gas pipes open. The collection space has a circular or oval cross-section with a funnel shape at the lower side connected to an exhaust opening (11). The exhaust opening of the collection space is connected to an exhaust unit or a catalyst (13) and has a smaller diameter than the catalyst.

IPC 1-7

F01N 7/10

IPC 8 full level

F01N 3/28 (2006.01); **F01N 13/00** (2010.01); **F01N 13/10** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP)

F01N 3/2853 (2013.01); **F01N 3/2882** (2013.01); **F01N 3/2892** (2013.01); **F01N 13/00** (2013.01); **F01N 13/10** (2013.01); **F01N 13/1877** (2013.01); **F01N 13/1888** (2013.01); **F01N 2450/22** (2013.01)

Cited by

RU196579U1; RU196558U1; US9488091B2

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)

EP 1083307 A1 20010314; **EP 1083307 B1 20030312**; AT E234422 T1 20030315; DE 19938689 A1 20010215; DE 50001432 D1 20030417

DOCDB simple family (application)

EP 00114082 A 20000707; AT 00114082 T 20000707; DE 19938689 A 19990814; DE 50001432 T 20000707