

Title (en)

Catalytic exhaust gas purification apparatus for an internal-combustion engine.

Title (de)

Katalytische Abgasreinigungsanlage für eine Brennkraftmaschine.

Title (fr)

Pot catalytique pour l'épuration des gaz d'échappement d'un moteur à combustion interne.

Publication

EP 0077711 A1 19830427 (FR)

Application

EP 82401844 A 19821007

Priority

FR 8119373 A 19811013

Abstract (en)

[origin: US4457895A] An elongate catalytic muffler of the radial flow type for purifying the exhaust gases of an internal combustion engine, comprises a tubular casing having a gas inlet at one end and a gas outlet at the other end. Two co-axial substantially parallel frustra-conical grids of decreasing cross-section from the inlet end to the outlet end of the muffler define, with cup-like end walls, a catalyst chamber compression means is provided for axially displacing one of said end walls towards the other, so as to compress the catalyst mass in said chamber, and with said compression means being protected by tight separating means from the action of the exhaust gases treated in the muffler.

Abstract (fr)

Dans ce pot catalytique à circulation radiale, l'une au moins des parois latérales perforées (6, 8) délimitant l'espace catalytique (9) est mobile par coulissement axial à l'intérieur du pot. Un ressort (13) placé à l'extérieur du pot appuie sur la partie mobile (8) par l'intermédiaire d'un noyau en matière céramique réfractaire (15). Application à la lutte contre la pollution par les véhicules automobiles.

IPC 1-7

F01N 3/28

IPC 8 full level

F01N 3/24 (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP KR US)

F01N 3/24 (2013.01 - KR); **F01N 3/2846** (2013.01 - EP US); **F01N 2350/08** (2013.01 - EP US)

Citation (search report)

- [YD] US 3594131 A 19710720 - PALMA TED V DE, et al
- [YD] DE 2310843 A1 19740926 - ZEUNA STAERKER KG
- [YD] FR 1299792 A 19620727 - AMERICAN CYANAMID CO
- [YD] FR 2198536 A5 19740329 - KNAPSACK AG [DE]
- [AD] FR 2373677 A1 19780707 - HOECHST AG [DE]
- [AD] FR 2270444 A1 19751205 - INST FRANCAIS DU PETROLE [FR]

Cited by

GB2236690A; GB2249039A; GB2249039B

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0077711 A1 19830427; **EP 0077711 B1 19860507**; AT E19675 T1 19860515; AU 564771 B2 19870827; AU 8927782 A 19830421; DE 3271029 D1 19860612; FR 2514413 A1 19830415; FR 2514413 B1 19851129; JP H0512526 B2 19930218; JP S58197414 A 19831117; KR 840002069 A 19840611; KR 890001728 B1 19890519; US 4457895 A 19840703

DOCDB simple family (application)

EP 82401844 A 19821007; AT 82401844 T 19821007; AU 8927782 A 19821012; DE 3271029 T 19821007; FR 8119373 A 19811013; JP 17860082 A 19821013; KR 820004606 A 19821013; US 43403382 A 19821013