

Title (en)

Pipe-shaped catalyst construction for exhaust gas purification

Title (de)

Rohrförmiger Katalysatorbau für die Abgasreinigung

Title (fr)

Construction de catalyseur en forme de tuyau pour la purification de gaz d'échappement

Publication

EP 1099833 A2 20010516 (EN)

Application

EP 00123658 A 20001030

Priority

JP 31864099 A 19991109

Abstract (en)

The present invention intends to provide a pipe-shaped catalyst construction 10 which has high catalyst ability and which is excellent in high temperature resisting character, in a pipe-shaped catalyst construction. It is comprised of a pipe-shaped supporting body including a metallic pipe 11 and a cylindrical metallic foil 12 contained therein and provided with plural concaved portions 13 formed circumferentially, and a catalyst material 19 supported on the metallic foil. <??>In such catalyst construction, the metallic foil 12 is disposed along an inner peripheral surface of the pipe 11 except for a central portion of the metallic pipe in section. Also, rate of a central sectional area portion where the metallic foil 2 is not disposed to a whole sectional area of the pipe 11 defined by the inner peripheral surface of the pipe is selected to be 20 % to 60 %. <IMAGE>

IPC 1-7

F01N 3/28; **F01N 7/08**

IPC 8 full level

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CPC (source: EP)

F01N 3/2807 (2013.01); **F01N 13/08** (2013.01)

Citation (applicant)

- JP S5551624 B1 19801225
- JP H11510872 A 19990921

Citation (examination)

- US 5110561 A 19920505 - HITACHI YUZO [JP], et al
- JP S5551624 A 19800415 - VDO SCHINDLING
- JP H11510872 A 19990921
- EP 0473081 A1 19920304 - SUZUKI CO LTD [JP]

Cited by

US10247079B2; WO2009153073A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1099833 A2 20010516; **EP 1099833 A3 20040929**; JP 2001129407 A 20010515; TW 558594 B 20031021

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