

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

**B01J 35/02** (2006.01); **F01N 3/24** (2006.01); **F01N 3/28** (2006.01); **F01N 7/08** (2006.01); **F01N 13/08** (2010.01)

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)

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