

Title (en)

Support structure for an exhaust gas purification device

Title (de)

Trägerstruktur für eine Abgasreinigungsverrichtung

Title (fr)

Structure de support pour un dispositif d'épuration de gaz d'échappement

Publication

EP 1024255 A3 20020717 (DE)

Application

EP 00100991 A 20000119

Priority

DE 19903591 A 19990129

Abstract (en)

[origin: EP1024255A2] The support structure includes a metal foil(1) in which are formed flow channels(2) which are in wave form in the flow direction. The support structure may be a multi-layered construction with at least two embossed metal foils, and the flow channels in the foil may be in sinusoidal wave form. The flow channels at the exit end(4) of the support structure are disposed at an angle(α) to the main flow direction, and the exit angle of the flow channels of two adjacent metal foils may be orientated the same or oppositely.

IPC 1-7

F01N 3/28

IPC 8 full level

F01N 3/28 (2006.01)

CPC (source: EP)

F01N 3/2821 (2013.01)

Citation (search report)

- [E] WO 0024506 A2 20000504 - ABB LUMMUS GLOBAL INC [US]
- [PX] EP 0937501 A1 19990825 - TANAKA PRECIOUS METAL IND [JP]
- [XY] US 5437099 A 19950801 - RETALLICK WILLIAM B [US], et al
- [A] WO 9413937 A1 19940623 - SANDVIK AB [SE], et al
- [DA] DE 2759559 C2 19850627
- [A] EP 0398479 A1 19901122 - GEN MOTORS CORP [US]
- [A] DE 3723478 A1 19890126 - NAVSAT GMBH [DE]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 10 30 November 1995 (1995-11-30)

Cited by

CN109922883A; EP3515592A4; WO2012110395A3; WO2008005076A1; WO2007064373A1

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