

Title (en)

HELICALLY WOUND CONICAL SHAPE METAL STRIP CATALYST SUPPORTING MATRIX FOR INTERNAL-COMBUSTION ENGINES

Publication

EP 0121175 B1 19870121 (DE)

Application

EP 84103016 A 19840319

Priority

DE 3311724 A 19830330

Abstract (en)

[origin: EP0121175A1] 1. A catalyst support body for internal combustion engines consisting of a supporting matrix with flat (8) and/or corrugated (7) sheet-metal strips which are spirally and, at least in sub-regions, helically wound and are connected to one another and to the inner side of a casing (20) by welding, soldering or sticking, characterized in that the ratio of the width (b) of the sheet-metal strips (7, 8) to the slope(s) of the helix or the diameter of the supporting matrix is so selected that no cross-section through the winding cuts all the sheet-metal strip layers, i.e. the axial spread (h) of the supporting matrix, which is in the form of a hollow cone, is greater than twice the width (b) of the sheet-metal strips (7, 8).

IPC 1-7

F01N 3/28; **B01J 35/04**

IPC 8 full level

B01J 35/04 (2006.01); **F01N 3/28** (2006.01); **F01N 13/02** (2010.01)

CPC (source: EP)

F01N 3/28 (2013.01); **F01N 3/281** (2013.01); **F01N 3/2821** (2013.01); **F01N 3/2892** (2013.01); **F01N 13/0097** (2014.06); **F01N 2330/02** (2013.01)

Cited by

US5328774A; EP1215374A1; US6109386A; US5340020A; DE3638082A1; DE19749379A1; CN1098410C; DE19881673B4; US4803189A; US4946822A; US5146743A; US5322672A; US5480621A; US6528454B1; WO9924700A1; EP2221098B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0121175 A1 19841010; **EP 0121175 B1 19870121**; AT E25128 T1 19870215; DE 3311724 A1 19841004; DE 3462171 D1 19870226

DOCDB simple family (application)

EP 84103016 A 19840319; AT 84103016 T 19840319; DE 3311724 A 19830330; DE 3462171 T 19840319