

Title (en)

Catalytic converter and method of manufacturing a catalytic converter.

Title (de)

Katalysator und Verfahren zur Herstellung eines Katalysators.

Title (fr)

Catalyseur et procédé de fabrication d'un catalyseur.

Publication

**EP 0494049 B1 19940810**

Application

**EP 91810994 A 19911223**

Priority

CH 491 A 19910103

Abstract (en)

[origin: US5273724A] The catalytic converter has a casing with two one-piece shells. These each have a curved section and flanges projecting outward away therefrom. The flanges are welded to one another in pairs and make an angle with one another at least in a substantial part of their lengths and, for example, over their entire lengths. In the production of the catalytic converter, the shells can be produced simply and economically with the aid of a shaping process. After at least one dimensionally stable core and an elastically deformable intermediate layer surrounding this core have been arranged between the two shells, the latter are pressed against one another with a predetermined compressive force and are welded to one another. In the mass production of catalytic converter, their cores can be installed readily and without damage in the casing, even in the case of relatively large deviations from the intended ideal shapes and ideal dimensions.

IPC 1-7

**F01N 3/28**

IPC 8 full level

**F01N 3/28** (2006.01); **F02B 1/04** (2006.01)

CPC (source: EP US)

**F01N 3/2857** (2013.01 - EP US); **F01N 2330/06** (2013.01 - EP US); **F01N 2350/04** (2013.01 - EP US); **F02B 1/04** (2013.01 - EP US); **Y10S 55/30** (2013.01 - EP US)

Cited by

DE102009037271A1; EP0665365A3; US5683660A; EP3597322A4; WO2011018136A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0494049 A1 19920708**; **EP 0494049 B1 19940810**; DE 59102502 D1 19940915; ES 2057836 T3 19941016; US 5273724 A 19931228; ZA 9245 B 19921028

DOCDB simple family (application)

**EP 91810994 A 19911223**; DE 59102502 T 19911223; ES 91810994 T 19911223; US 81527591 A 19911227; ZA 9245 A 19920103