

Title (en)  
Manufacturing method for an exhaust gas treatment apparatus

Title (de)  
Herstellungsverfahren für eine Abgasbehandlungsvorrichtung

Title (fr)  
Méthode de fabrication d'un appareil de purification des gaz d'échappement

Publication  
**EP 1722081 A1 20061115 (DE)**

Application  
**EP 06111420 A 20060321**

Priority  
DE 102005200225 A 20050511

Abstract (en)  
Production involves introducing an exhaust gas treatment element (3) axially into a cylindrical housing jacket (2), open on at least one side. The housing jacket inner side has an outlet cross section (7), which is greater than the outer cross section (10) of the exhaust gas treatment element. A funnel (4) is introduced axially into the axial end area (8) of the housing jacket whereby the outer cross section (11) of the funnel is smaller than the inner outlet cross section of the housing jacket. The housing jacket undergoes cross section reduction in such a manner that the housing jacket within the area, within which exhaust gas treatment element is arranged, has a first end cross section (13) inside, which is equally large as the outer cross section of the exhaust gas treatment element and within the respective final area, within which the respective funnel is arranged, has a second end cross section (14) inside, which is just as large as the outer cross section of the funnel. An independent claim is also included for the exhaust gas treatment device.

IPC 8 full level  
**F01N 13/18** (2010.01)

CPC (source: EP)  
**F01N 3/2839** (2013.01); **F01N 13/185** (2013.01); **F01N 3/0211** (2013.01); **F01N 3/0222** (2013.01); **F01N 3/2828** (2013.01); **F01N 3/2853** (2013.01); **F01N 2350/00** (2013.01); **F01N 2450/02** (2013.01); **F01N 2450/20** (2013.01); **F01N 2450/22** (2013.01)

Citation (applicant)  
• US 4148120 A 19790410 - SIEBELS JOHANN  
• US 4160010 A 19790703 - OTTLE WALTER

Citation (search report)  
• [X] US 4148120 A 19790410 - SIEBELS JOHANN  
• [X] US 4160010 A 19790703 - OTTLE WALTER  
• [X] EP 1118749 A2 20010725 - EBERSPAECHER J GMBH & CO [DE]  
• [A] DE 19723939 A1 19981210 - LEICO WERKZEUGMASCHB GMBH & CO [DE]  
• [A] DE 10249675 A1 20040513 - SIEMENS AG [DE]

Cited by  
US9765681B2; WO2013174668A1; EP2852738B1

Designated contracting state (EPC)  
DE FR GB IT

Designated extension state (EPC)  
AL BA HR MK YU

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