

Title (en)
DIVERTER FOR CATALYTIC CONVERTER

Title (de)
UMLENKER FÜR KATALYSATOR

Title (fr)
ORGANE DE DERIVATION POUR CONVERTISSEUR CATALYTIQUE

Publication
EP 1743090 A2 20070117 (EN)

Application
EP 04821851 A 20040317

Priority
US 2004008095 W 20040317

Abstract (en)
[origin: WO2005094253A2] A diverter (60) is provided, which is of low cost and which is effective in more evenly distributing exhaust gasses passing from a small diameter upstream exhaust gas pipe section (42) into a much larger diameter catalytic converter assembly (20). The diverter includes a diverter element (70) and mounting brackets (72). The diverter element has a central hole (82) and has conical walls with an included angle (G) of at least 70°, the conical walls having a plurality of holes (90). The large conical angle (G) of the diverter effectively directs exhaust gases to the periphery of the large diameter catalytic converter but blocks a radially intermediate portion of the catalyst, while the holes in the conical diverter walls allow sufficient exhaust gases to reach the radially intermediate portion of the catalyst.

IPC 8 full level
B01D 50/00 (2006.01); **B01D 53/04** (2006.01); **F01N 3/02** (2006.01); **F01N 3/08** (2006.01); **F01N 3/10** (2006.01); **F01N 3/28** (2006.01); **F01N 7/00** (2006.01)

CPC (source: EP)
F01N 3/2892 (2013.01)

Citation (search report)
See references of WO 2005094253A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
WO 2005094253 A2 20051013; **WO 2005094253 A3 20070308**; CN 101124391 A 20080213; EP 1743090 A2 20070117

DOCDB simple family (application)
US 2004008095 W 20040317; CN 200480042853 A 20040317; EP 04821851 A 20040317