

Title (en)
Hydrodynamically optimized catalytic body

Title (de)
Hydrodynamisch optimierter katalytischer Formkörper

Title (fr)
Optimisation hydrodynamique d'un corps catalytique

Publication
EP 1092846 B1 20050406 (DE)

Application
EP 00121383 A 20001012

Priority
DE 19949568 A 19991014

Abstract (en)
[origin: EP1092846A2] The catalytic body has an inflow surface (3) and outflow surface (4). The inflow surface is formed as a sleeve surface (8) of a conical or frusto-conical projection (7) with a concave curvature at least in some sections. The curvature of the inflow surface can be smooth. The outflow surface can be planar or can be curved. The catalytic body can be a monolith. The catalytic body can be made from several superposed layers of a structured surface material

IPC 1-7
F01N 3/28

IPC 8 full level
F01N 3/10 (2006.01); **B01D 53/86** (2006.01); **B01J 35/04** (2006.01); **F01N 3/24** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP)
F01N 3/2803 (2013.01); **F01N 3/2807** (2013.01); **F01N 2470/18** (2013.01)

Cited by
EP1215374A1; FR2876145A1; WO2007028697A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1092846 A2 20010418; EP 1092846 A3 20030625; EP 1092846 B1 20050406; AT E292745 T1 20050415; DE 19949568 A1 20010419; DE 50009972 D1 20050512; JP 2001162178 A 20010619

DOCDB simple family (application)
EP 00121383 A 20001012; AT 00121383 T 20001012; DE 19949568 A 19991014; DE 50009972 T 20001012; JP 2000312998 A 20001013