

Title (en)
SUPPORT STRUCTURE FOR A CATALYST

Title (de)
TRÄGERSTRUKTUR FÜR EINEN KATALYSATOR

Title (fr)
STRUCTURE DE SUPPORT POUR CATALYSEUR

Publication
EP 1009955 A1 20000621 (EN)

Application
EP 96921479 A 19960610

Priority
• CA 2257874 A 19960610
• US 9609910 W 19960610

Abstract (en)
[origin: WO9747926A1] A support structure (53) for securing a catalyst structure (52) comprising a multiplicity of longitudinally disposed channels for passage of a flowing gas mixture within a reactor, said support structure being comprised of a monolithic open celled or honeycomb-like structure formed by thin strips or ribs of high temperature resistant metal or ceramic which abuts against one end of the catalyst structure, and extends in a direction perpendicular to the longitudinal axis of the catalyst structure to essentially cover an end face (at either the inlet end or outlet end or both) of the catalyst structure with the support structure being secured (54) on its periphery to the reactor wall. The strips or ribs making up the support structure are bounded together to form a unitary structure having cellular openings at least as large as the catalyst structure channel openings. The cellular openings in the support structure are also positioned to be in fluid communication with the channels of the catalyst structure thus affording essentially unaltered gas flow (50) from the catalyst structure through the support structure.

IPC 1-7
F23R 3/40

IPC 8 full level
F23R 3/40 (2006.01)

CPC (source: EP)
F23R 3/40 (2013.01); **F05B 2230/60** (2013.01); **F05B 2230/606** (2013.01)

Citation (search report)
See references of WO 9747926A1

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

DOCDB simple family (publication)
WO 9747926 A1 19971218; CA 2257874 A1 19971218; EP 1009955 A1 20000621

DOCDB simple family (application)
US 9609910 W 19960610; CA 2257874 A 19960610; EP 96921479 A 19960610