

Title (en)  
CATALYTIC MATERIALS

Title (de)  
KATALYTISCHE MATERIALEN

Title (fr)  
MATERIAUX CATALYTIQUES

Publication  
**EP 0739237 A1 19961030 (EN)**

Application  
**EP 95900824 A 19941111**

Priority  
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• GB 9324170 A 19931124

Abstract (en)  
[origin: WO9514530A1] A catalytic material consists essentially of a pillared layered clay mineral, the clay mineral being acid-leached and having an increased Bronsted acidity, due to the introduction of lattice protons, which may be at least 0.3. The pillaring material may be aluminium, zirconium or chromium compounds. The catalytic material has an increased the pore volume, surface area and basal spacing which also help to enhance the catalytic properties of the final pillared product. The pillared clay mineral is found to have inherent catalytic activity in a wide variety of organic transformations for example in the alkylation of benzene, the dehydration of pentanol or the cracking of cumene.

IPC 1-7  
**B01J 29/03**; **B01J 37/06**

IPC 8 full level  
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