

Title (en)
HYDROCARBON FUEL PROCESSOR CATALYST

Title (de)
KATALYSATOR FÜR EINE KOHLENWASSERSTOFFBRENNSTOFFSBEHANDLUNGSVORRICHTUNG

Title (fr)
CATALYSEUR POUR DISPOSITIF DE TRAITEMENT DE CARBURANT HYDROCARBONE

Publication
EP 1208062 A1 20020529 (EN)

Application
EP 00948168 A 20000727

Priority
• GB 0002893 W 20000727
• GB 9917583 A 19990728

Abstract (en)
[origin: GB2352649A] A catalyst for use in a hydrocarbon fuel processor for converting, or reforming, a hydrocarbon fuel such as diesel into a simple fuel, most especially hydrogen, comprises a rare earth metal (M) cobalt oxide (MCoO_{3-x}) having the perovskite structure. In one composition the catalyst comprises a solid solution having the perovskite structure of the rare earth metal cobalt oxide, preferably lanthanum cobalt oxide LaCoO_{3-x} , and an alkaline earth metal cobalt oxide, preferably strontium cobalt oxide SrCoO_{3-x} . To further enhance the catalytic activity the catalyst can additionally include a noble metal or noble metal oxide such as platinum or ruthenium.

IPC 1-7
C01B 3/40

IPC 8 full level
B01J 23/00 (2006.01); **B01J 23/76** (2006.01); **B01J 23/78** (2006.01); **B01J 23/83** (2006.01); **B01J 23/89** (2006.01); **C01B 3/40** (2006.01); **H01M 8/06** (2006.01); **H01M 8/10** (2006.01)

CPC (source: EP KR)
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