

Title (en)
OXIDATION PROCESS USING MICROCHANNEL TECHNOLOGY AND NOVEL CATALYST USEFUL IN SAME

Title (de)
OXIDATIONSVERFAHREN UNTER ANWENDUNG VON MIKROKANALTECHNOLOGIE UND NEUER KATALYSATOR DAFÜR

Title (fr)
PROCEDE D'OXYDATION REPOSANT SUR LA TECHNOLOGIE DES MICROCANAUUX ET NOUVEAU CATALYSEUR UTILE DANS LEDIT PROCEDE

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Application
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Abstract (en)
[origin: WO2004103549A2] A process is disclosed for converting a hydrocarbon reactant to CO and H₂. The process comprises: (A) flowing a reactant composition comprising the hydrocarbon reactant and oxygen or a source of oxygen through a microchannel reactor in contact with a catalyst under reaction conditions to form the product. The product formed in step (A) may be converted to a product comprising CO₂ and H₂O in a microchannel reactor. A catalyst is disclosed which comprises a composition represented by the formula M<1>a M<2>b M<3>c Ald Ox wherein: M<1> is Rh, Ni, Pd, Pt, Ru, Co or a mixture of two or more thereof; M<2> is Ce, Pr, Tb or a mixture of two or more thereof.

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