

Title (en)
RUTHENIUM-RHENIUM-BASED CATALYST AND A METHOD FOR THE SELECTIVE METHANATION OF CARBON MONOXIDE

Title (de)
RUTHENIUM-RHENIUM BASIERTEM KATALYSATOR UND VERFAHREN ZUR SELEKTIVEN METHANISIERUNG VON KOHLENMONOXID

Title (fr)
CATALYSEUR À BASE DE RUTHÉNIUM-RHÉNIUM ET PROCÉDÉ DE MÉTHANISATION SÉLECTIVE DE MONOXYDE DE CARBONE

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Application
EP 16714331 A 20160323

Priority

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Abstract (en)
[origin: CA2980254A1] The invention relates to a catalytically-active composition for the selective methanation of carbon monoxide in reformat streams containing hydrogen and carbon dioxide, said composition containing, as the active component, at least one element selected from the group consisting of ruthenium, rhodium, nickel and cobalt and, as a dopant, rhenium on a carrier material. The claimed catalyst is preferably used to carry out methanation reactions in a temperature range between 100 and 300° C, for use in hydrogen production for fuel cell applications.

IPC 8 full level
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