

Title (en)

METAL FOAM ELEMENT CONTAINING COBALT AND METHOD FOR PRODUCING SAME

Title (de)

COBALTHALTIGE METALLSCHAUMKÖRPER UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

ÉLÉMENT EN MOUSSE MÉTALLIQUE CONTENANT DU COBALT ET SON PROCÉDÉ DE PRODUCTION

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Application

EP 20775651 A 20200925

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Abstract (en)

[origin: WO2021058705A1] The invention relates to methods for producing supported catalysts, comprising: providing a metal foam element A made of nickel; applying an aluminium-containing powder MP to metal foam element A, such that metal foam element AX is obtained; thermally treating metal foam element AX in order to form an alloy between metal foam element A and the aluminium-containing powder MP, such that metal foam element B is obtained; oxidatively treating metal foam element B, such that metal foam element C is obtained; and applying a catalytically active layer, comprising at least one carrier oxide and at least one catalytically active component, to at least one part of the surface of metal foam element C, such that a supported catalyst is obtained. The invention also relates to the supported catalysts obtained according to the method, and to the use thereof in chemical transformations.

IPC 8 full level

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