

Title (en)

SELECTIVE CATALYST FOR HYDROGENOLYSIS OF ETHYL-AROMATICS BY CONSERVING METHYL-AROMATICS

Title (de)

SELEKTIVER KATALYSATOR ZUR HYDROGENOLYSE VON ETHYL-AROMATEN DURCH KONSERVIERUNG VON METHYL-AROMATEN

Title (fr)

CATALYSEUR SÉLECTIF EN HYDROGÉNOLYSE DES ÉTHYL-AROMATIQUES PAR CONSERVATION DES MÉTHYL-AROMATIQUES

Publication

**EP 3898902 A1 20211027 (FR)**

Application

**EP 19816789 A 20191213**

Priority

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- EP 2019085011 W 20191213

Abstract (en)

[origin: WO2020126870A1] The present invention relates to a process for hydrogenolysis in which a hydrocarbon charge comprising aromatic compounds of at least 8 carbon atoms is treated with a hydrogen feed in the presence of a catalyst to convert C2+ alkyl chains in said aromatic compounds into methyl groups and to produce a hydrogenolysis effluent enriched in methyl-substituted aromatic compounds, wherein the catalyst has a support comprising at least one refractory oxide and has an active phase comprising nickel and molybdenum, wherein: the nickel content is between 0.1 and 25% by weight relative to total catalyst weight, the molybdenum content is between 0.1 and 20% by weight relative to total catalyst weight, and the molar ratio of molybdenum to nickel in the catalyst is between 0.2 and 0.9. The present invention also relates to said catalyst and to the process for preparing said catalyst.

IPC 8 full level

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