

Title (en)

PROCESS FOR THE PRODUCTION OF AROMATIC HYDROCARBONS FROM C1-4 HYDROCARBONS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AROMATISCHEN KOHLENWASSERSTOFFEN AUS C1-4 KOHLENWASSERSTOFFEN

Title (fr)

PROCEDE RELATIF A L'ELABORATION D'HYDROCARBURES AROMATIQUES A PARTIR D'HYDROCARBURES C1-4

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Application

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Abstract (en)

[origin: WO0050366A1] The invention relates to a process for the production of aromatic hydrocarbons from a hydrocarbonaceous feedstock comprising C1-4 hydrocarbons. The process especially comprises subjecting the hydrocarbonaceous feedstock to specific electromagnetic energy, especially microwave energy or radio frequency energy, in the presence of a catalyst comprising a metal and/or a metal oxide. It has been found that methane can be converted into especially benzene, toluene and xylene at high methane conversion levels and at high selectivities.

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IPC 8 full level

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