

ABSTRACT

CATALYST FOR AROMATIZATION OF LOWER HYDROCARBON, AND PROCESS FOR PRODUCTION OF AROMATIC COMPOUND TECHNICAL FIELD

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[Summary]

[Object] To improve the yield of aromatic hydrocarbon and the stability of active life in a process for producing aromatic compound by using a lower hydrocarbon aromatization catalyst.

10 [Solving Means] A lower hydrocarbon aromatization catalyst for producing aromatic compound under reaction of lower hydrocarbon has an average crystal diameter of not larger than 500 nm. A catalyst in which molybdenum is carried on ZSM-5 zeolite as metallosilicate is used as an example of the above-mentioned catalyst. Additionally, a process
15 for producing aromatic compound upon contact of the above-mentioned catalyst with a reaction gas containing lower hydrocarbon is provided.

[Selected Figure] Fig. 1

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