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(54) Title: HEAVY AROMATICS TO BTX CONVERSION PROCESS AND CATALYST COMPOSITIONS USED

(57) Abstract: Disclosed are processes for conversion of a feedstock comprising C₈+ aromatic hydrocarbons to lighter aromatic products in which the feedstock and optionally hydrogen are contacted in the presence of the catalyst composition under conversion conditions effective to dealkylate and transalkylate said C₈+ aromatic hydrocarbons to produce said lighter aromatic products comprising benzene, toluene and xylene. The catalyst composition comprises a zeolite selected from zeolite beta, ZSM-4, ZSM-5, ZSM-11, ZSM-12, ZSM-20, ZSM-22, ZSM-23, ZSM-35, ZSM-48, ZSM-50, ZSM-57, ZSM-58, MCM-68, faujasite zeolite, mordenite zeolite or a MCM-22 family material, a first metal of group 6 in an amount of 0.001 wt% to 20.0 wt%, and a second metal of group 9 or 10 in an amount of 0.001 wt% to 20.0 wt %, and is treated with a source of sulfur and/or a source of steam.



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