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(54) **Title:** HEAVY AROMATICS CONVERSION CATALYST COMPOSITION AND PROCESSES THEREFOR AND THEREWITH

(57) **Abstract:** A catalyst composition, a process for producing the composition and a process for the conversion of a feedstock containing C_9+ aromatic hydrocarbons to produce a resulting product containing lighter aromatic products and less than about 0.5 wt % of ethylbenzene based on the weight of C_8 aromatics fraction of the resulting product. The C_9+ aromatic hydrocarbons are converted under the transalkylation reaction conditions to a reaction product containing xylene. The catalyst composition comprises (i) an acidity component having an alpha value of at least 300; and (ii) a hydrogenation component having hydrogenation activity of at least 300. The composition can be produced by to incorporating at least one hydrogenation component into an acidity component having an alpha value of at least 300.

WO 2006/052324 A1