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(54) Title: PROCESS FOR PRODUCING BTX FROM A C5-C12 HYDROCARBON MIXTURE

(57) Abstract: The invention relates to a method for preparing a hydrocracking catalyst comprising: (i) providing a shaped body comprising a zeolite and a binder, wherein the shaped body has been obtained by shaping, calcination and cooling, wherein the zeolite is ZSM-5 having a silica (SiO₂) to alumina (Al₂O₃) molar ratio of 25-75; (ii) optionally drying the shaped body at a temperature of 100-300°C for a period of at least 1 hour; (iii) depositing a hydrogenation metal on the shaped body by an impregnation for a period of at most 2 hours such that the amount of the hydrogenation metal is 0.010-0.30 wt% with respect to the total catalyst; (iv) optionally rinsing the metal deposited shaped body with water; and (v) heat-treating the metal deposited shaped body in air at a temperature of 250-300 °C for a period of 1-5 hours; wherein the catalyst comprises a total of less than 0.05 wt% sodium and cesium.