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

(57) **Abstract:** The invention relates to a process for producing BTX comprising: (a) contacting a feedstream comprising C5-C12 hydrocarbons in the presence of hydrogen with a reforming catalyst to produce a reformed product stream, wherein the reforming catalyst comprises a hydrogenation metal and a support of an amorphous alumina, (b) contacting the reformed product stream in the presence of hydrogen with a hydrocracking catalyst to produce a hydrocracking product stream comprising BTX, wherein the hydrocracking catalyst comprises a hydrogenation metal and a zeolite and (c) separating the BTX from the hydrocracking product stream, wherein the hydrocracking catalyst comprises 0.01 -1 wt%, preferably 0.01 -0.5 wt%, of the hydrogenation metal in relation to the total catalyst weight and the zeolite has a pore size of 5-8 Å and a silica (SiO₂) to alumina (Al₂O₃) molar ratio of 5-200, preferably 30-120, wherein step (b) or steps (a) and (b) are performed at a temperature of 425-580 °C, a pressure of 300-5000 kPa gauge and a Weight Hourly Space Velocity of 0.1 -15 h⁻¹ preferably 0.1 -10 h⁻¹.

