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(54) Title: SELECTIVE PARA-XYLENE PRODUCTION BY TOLUENE METHYLATION (57) Abstract <p>A process is disclosed for the selective production of para-xylene which comprises reacting toluene with a methylating agent in the presence of a catalyst comprising a microporous material having a Constraint Index, measured prior to selectivation, of from about 1 to about 12, which catalyst has been selectivated by the steps of: (a) presteaming the catalyst at a temperature of at least about 800 °C for at least about 10 minutes; (b) depositing from about 1 to about 20 weight percent of coke on said catalyst; and (c) continuously controlling the weight percent of coke on said catalyst at from about 1 to about 20 weight percent.</p>		

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