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(54) Title: AROMATIC ALKYLATION PROCESS

(57) Abstract: In a method for producing monoalkylated aromatic compounds, an aromatic feed is contacted with an alkylating agent in the presence of a catalyst comprising a molecular sieve having an X-ray diffraction pattern including d-spacing maxima at 12.4±0.25, 6.9±0.15, 3.57±0.07, and 3.42±0.07 Angstrom. The catalyst also contains at least one metal cation selected from Groups 1-4 and 7-16 of the Periodic Table of Elements, wherein the metal cation is present in an amount of at least 0.5% by weight of the catalyst, whereby selectivity of the catalyst to produce monoalkylates over polyalkylates is improved as compared with the identical catalyst but without the metal cation present.



WO 2004/052810 A2