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(54) Title: NAPHTHA AROMATIZATION PROCESS ✓ (57) Abstract A process for reforming naphtha-containing hydrocarbon feedstreams is disclosed wherein a naphtha stream containing at least about 25 wt.% of C ₅ to C ₉ aliphatic and cycloaliphatic hydrocarbons is contacted with a modified reforming catalyst, e.g. ZSM-5 containing a dehydrogenation metal, selected from the group of gallium, zinc, indium, iron, tin and boron, which has been modified by contact with group IIA alkaline earth metal, e.g., barium, or with an organosilicon compound in an amount sufficient to neutralize at least a portion of the surface acidic sites present on the catalyst. The resulting reformate contains a reduced content of C ₁ to C ₄ gas and a C ₈ aromatic fraction having an enhanced content of para-xylene.		