

Title (en)
PROCESS FOR SELECTIVE HYDRODESULFURIZATION OF NAPHTHA

Title (de)
VERFAHREN ZUR SELEKTIVEN HYDRODESULFURIERUNG VON NAPHTHA

Title (fr)
PROCEDE D'HYDRODESULFURATION SELECTIVE DE NAPHTA

Publication
EP 1891183 A1 20080227 (EN)

Application
EP 06726947 A 20060428

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Abstract (en)
[origin: WO2006120378A1] A process for the selective hydrodesulfurization of a naphtha containing olefins and organosulfur compounds is disclosed, which minimizes the hydrogenation of the olefins and results in a product with a low sulfur content. The process involves a two-stage hydrodesulfurization with H₂S removed from the first stage effluent. A flow of hydrogen and at least one added non-reactive compound is fed into the first stage, wherein the H₂ molar fraction ranges from 0.2 to 1.0, and with H₂S at the reactor intake limited to a maximum of 0.1 % by volume. The second stage involves a feedstream of hydrogen and at least one added non-reactive compound, wherein the H₂ molar fraction ranges from 0.2 to 0.7 and with H₂S at the reactor intake limited to a maximum of 0.05 % by volume.

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