

Title (en)
PROCESS FOR SELECTIVE HYDRODESULFURIZATION OF NAPHTHA

Title (de)
VERFAHREN ZUR SELEKTIVEN HYDRODESULFURIERUNG VON NAPHTHA

Title (fr)
PROCEDE D'HYDRODESULFURATION SELECTIVE DE NAPHTA

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Application
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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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