

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**

Priority  
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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 H<SUB>2</SUB>S 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 H<SUB>2</SUB> molar fraction ranges from 0.2 to 1.0, and with H<SUB>2</SUB>S 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 H<SUB>2</SUB> molar fraction ranges from 0.2 to 0.7 and with H<SUB>2</SUB>S at the reactor intake limited to a maximum of 0.05 % by volume.

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