

Title (en)

Process for hydrotreatment of petroleum residue or heavy oil for refining and conversion to lighter fractions.

Title (de)

Verfahren zur Wasserstoffbehandlung von Erdölrückstand oder Schweröl zur Raffination und Umwandlung zu leichteren Schnitten.

Title (fr)

Procédé d'hydrotraitement d'un résidu pétrolier ou d'une huile lourde en vue de les raffiner et de les convertir en fractions plus légères.

Publication

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Application

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Priority

FR 9004153 A 19900329

Abstract (en)

[origin: EP0450997A1] Process for hydrotreatment, in at least two stages, of a heavy hydrocarbon fraction containing asphaltenes, sulphur-containing impurities and metal impurities, in which: a) in at least one first stage (26,27) known as hydrodemetallation, the hydrocarbon feedstock and hydrogen are passed over a hydrodemetallation catalyst, b) in at least one subsequent so-called hydrodesulphurising stage (28,29) the product from stage a) and hydrogen are passed over a hydrodesulphurising catalyst. The invention in which the hydrodemetallation stage consists of one or more zones, each containing a hydrodemetallation catalyst operating as a stationary bed is characterised in that this or these zone(s) are preceded by two protective zones arranged in parallel (24,25) each containing a stationary bed of a hydrodemetallation catalyst, these two protecting zones operating alternately. <IMAGE>

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CPC (source: EP KR US)

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Cited by

JP2004519533A; FR2970478A1; FR2940313A1; FR2950072A1; FR2681871A1; EA023427B1; WO0248288A1; WO2010033480A3; US8394262B2; EP0712922A2; US9523049B2

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