

Title (en)

Process and apparatus for the production of low sulphur catalytically cracked gasolines

Title (de)

Verfahren und Vorrichtung zur Erzeugung von katalytischen Krackbenzinen mit niedrigem Schwefelgehalt

Title (fr)

Procédé et installation pour la production d'essences de craquage catalytique à faible teneur en soufre

Publication

EP 0832958 B1 20050817 (FR)

Application

EP 97402088 A 19970908

Priority

FR 9611691 A 19960924

Abstract (en)

[origin: EP0832958A1] A new process for the production of petrol with a low sulphur content from a crude product obtained from catalytic cracking units containing olefins, mercaptans and S compounds other than mercaptans, in which: (1) the crude petrol is fractionated into a light cut, with a b.pt. less than or equal to 210 degrees C. containing most of the olefins, and a heavy fraction; (2) the light cut is subjected to a moderate hydrotreatment in the presence of H₂ with a catalyst containing a group VIII metal and/or a group VI metal, at 160 - 380 degrees C. and 5 - 50 bars, and the effluent is stripped to eliminate H₂S; (3) the light fraction is also submitted to a sweetening process effected either by: a treatment before the moderate hydrotreatment, in the presence of H₂ with a supported catalyst containing 0.1 - 1% Pd at 4 - 50 bars; an extractive sweetening of the effluent after hydrotreatment and stripping ; or - sweetening with an oxidant, a catalyst and alkaline base (optionally incorporated with the catalyst) of the effluent after hydrotreatment. Also claimed, is the installation for effecting the process.

IPC 1-7

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CPC (source: EP KR US)

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Cited by

CN102443433A; CN110643380A; CN102465031A; EP1247857A3; EP1077247A1; FR2797639A1; EP1138749A1; FR2807061A1; US6830678B2; EP2169032A1; US6896795B2

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