

Title (en)

Process for eliminating mercury from liquid hydrocarbons

Title (de)

Verfahren zur Entfernung von Quecksilber aus flüssigen Kohlenwasserstoffen

Title (fr)

Procédé d'élimination de mercure d'hydrocarbures liquides

Publication

**EP 0810278 B1 20020508 (EN)**

Application

**EP 97102446 A 19970214**

Priority

JP 15886296 A 19960530

Abstract (en)

[origin: EP0810278A2] A process for continuously eliminating mercury and mercury compounds in liquid hydrocarbons for example, a natural gas condensate comprising: (a) bringing liquid hydrocarbons containing mercury and mercury compounds, as well as asphaltene into contact, in a first adsorption treatment zone, with a porous inorganic adsorbent which is at least one of materials selected from the group consisting of activated carbon, activated clay, alumina, silica gel, silica-alumina and zeolite, and then (b) bringing the liquid hydrocarbons from the adsorption treatment zone after the adsorption treatment into contact, in a second adsorption treatment zone, with an activated carbon having a specific surface area from 200 m<sup>2</sup>/g to 2500 m<sup>2</sup>/g and an average pore diameter from 10 Å to 100 Å. Mercury and mercury compounds in liquid hydrocarbons containing a great amount of heavy ingredients such as asphaltene can be eliminated continuously for a long period of time.

IPC 1-7

**C10G 25/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

US6740406B2; NL1003996C2; EP2133401A3; US7510992B2; US7553792B2; US8025160B2; US8088277B2; US8382990B2; US7871524B2; US7910005B2

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