

Title (en)

METHOD FOR PRODUCING LOW-VISCOUS MARINE FUEL

Title (de)

VERFAHREN ZUR HERSTELLUNG VON NIEDERVISKOSEM SCHIFFSBRENNSTOFF

Title (fr)

PROCEDE DE PRODUCTION DE COMBUSTIBLE A FAIBLE VISCOSITE POUR BATEAUX

Publication

EP 1661966 A1 20060531 (EN)

Application

EP 03789663 A 20031023

Priority

- RU 0300449 W 20031023
- RU 2003121343 A 20030715

Abstract (en)

The invention relates to petroleum processing, more precisely to a method for producing a low-viscous marine fuel used for ship or boiler plants. The inventive method involves oil atmospheric vacuum distillation associated with separation of straight-run and vacuum fractions, catalytic cracking of a wide fraction associated with separation of a catalytic cracking distillate. The vacuum fraction boiling at a temperature ranging from 360 to 490 °C is cleaned by selective solvent. Afterwards, the thus obtained highly aromatised extract is compounded with the straight-run fractions and catalytic cracking distillate at a ratio of 1:69:30-20:25:55 respectively, the target product being obtained. In addition, the straight-run fractions whose boiling point ranges from 160 to 380 °C are separated, and the wide fraction whose boiling point ranges from 330 to 540 °C is exposed to catalytic cracking associated with separation of a catalytic cracking distillate boiling at a temperature ranging from 160 to 420 °C. Up to 50 mass % coking fraction boiling at a temperature of 160 - 420 °C could also be added to the target product.

IPC 1-7

C10G 55/06

IPC 8 full level

C10G 55/06 (2006.01); **C10L 1/08** (2006.01)

CPC (source: EP)

C10G 55/06 (2013.01)

Cited by

US7708876B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1661966 A1 20060531; **EP 1661966 A4 20110824**; AU 2003296288 A1 20050128; AU 2003296288 A8 20050128; RU 2003121343 A 20050210; RU 2232793 C1 20040720; WO 2005005580 A1 20050120

DOCDB simple family (application)

EP 03789663 A 20031023; AU 2003296288 A 20031023; RU 0300449 W 20031023; RU 2003121343 A 20030715