

Title (en)

Process for producing a fuel by extraction and hydrotreatment of a hydrocarboneous feed and produced gasoil

Title (de)

Verfahren zur Herstellung von Brennstoff-durch Extraktion und Wasserstoffbehandlung von Kohlenwasserstoffeinsatz und so hergestellte Gasöl

Title (fr)

Procédé d'obtention d'un carburant par extraction et hydrotraitement d'une charge hydrocarbonée et le gazole obtenu

Publication

EP 0621334 B1 19981111 (FR)

Application

EP 94400861 A 19940420

Priority

FR 9304924 A 19930423

Abstract (en)

[origin: EP0621334A1] Process for obtaining an internal combustion engine fuel from a hydrocarbon feedstock, including a stage a) of distillation (D1) in which a tail product (Q1) is obtained via a line 3 and a head product (T1) via a line 2, a stage b) of liquid/liquid extraction (LE) with the aid of a solvent (S1) in which an extract (E1) (line 6) and a raffinate (R1), (line 5) are obtained from the product (Q1), a stage c) of separation (D2) of the raffinate (R1) making it possible to obtain via a line 7 a product (Q2) impoverished in solvent (S1) and a stage d) of hydrotreatment (HDS) in which the mixture of the products (T1) and (Q2) is treated in hydrotreatment conditions under a partial hydrogen pressure lower than 10 megapascals and a product (P), is obtained (line 9) which has improved qualities and contains less than 500 ppm by weight of sulphur. According to a particular embodiment the extract (E1) (line 6) is distilled so as to obtain via a line 11 a tail product (Q3) which is subsequently sent to a hydrotreatment zone so as to obtain via a line 12 a product (P') containing less than 0.3% by weight of sulphur. The solvent (S1) recovered at the head of the distillations is recycled to the extraction stage b). <IMAGE>

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