

Title (en)
DIESEL FUEL COMPOSITION

Title (de)
DIESELKRAFTSTOFFZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE CARBURANT DIESEL

Publication
EP 2370551 A2 20111005 (EN)

Application
EP 09796393 A 20091224

Priority
• EP 2009067914 W 20091224
• JP 2008332630 A 20081226

Abstract (en)
[origin: WO2010072838A2] A diesel fuel composition which essentially comprises only paraffins, and which is characterised in that 1) the normal paraffins with 18 or fewer carbons constitute not less than 12% by mass, and 2) the proportion of the total peak area of the peak group at chemical shifts of 1.45 to 2.25 ppm relative to the total peak area of the peak group at chemical shifts of 1.00 to 1.45 ppm is less than 6.5% in proton nuclear magnetic resonance (1H-NMR) spectra, and which has an oxidation index OI of less than 1.10. OI is represented by the equation $OI = 0.247X - 0.001Y - 0.053$, wherein X is the proportion (%) of the total peak area of the peak group at chemical shifts of 1.45 to 2.25 ppm relative to the total peak area of the peak group at chemical shifts of 1.00 to 1.45 ppm in proton nuclear magnetic resonance (1H-NMR) spectra; and Y is the content (mass %) of normal paraffins with 18 or fewer carbons.

IPC 8 full level
C10L 1/08 (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2010072838A2

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