

Title (en)  
OIL REFINING PROCESS

Title (de)  
ÖLRAFFINATIONSVERFAHREN

Title (fr)  
PROCÉDÉ DE RAFFINAGE D'HUILE

Publication  
**EP 2102323 A1 20090923 (EN)**

Application  
**EP 06820912 A 20061117**

Priority  
IB 2006003259 W 20061117

Abstract (en)  
[origin: WO2008059311A1] A process for heating used lubricating oil (ULO) to dehydrate and/or recover distillable components therefrom, is disclosed. The ULO feed is heated by direct contact heat exchange with a non-pyrolyzing molten fluid, molten metal, or molten salt, preferably maintained as a continuous phase bath, operating at a temperature above the boiling point of water and below 600°C. The ULO feed is heated and at least partially vaporized in, or above, or by contact with the molten fluid. Lubricant boiling range hydrocarbons are recovered as a vapor product. The additive package in the ULO, or decomposition products thereof, are recovered as a liquid phase.

IPC 8 full level  
**C10M 175/00** (2006.01); **C10G 7/00** (2006.01); **C10G 29/04** (2006.01); **C10G 31/06** (2006.01)

CPC (source: EP)  
**C10G 7/003** (2013.01); **C10M 175/0025** (2013.01); **C10M 175/0033** (2013.01); **C10G 2300/1007** (2013.01); **C10G 2300/80** (2013.01); **C10G 2400/10** (2013.01)

Citation (search report)  
See references of WO 2008059311A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008059311 A1 20080522**; AU 2006350881 A1 20080522; BR PI0622125 A2 20111227; CA 2669782 A1 20080522; CN 101583703 A 20091118; CN 101583703 B 20120229; EP 2102323 A1 20090923; JP 2010510345 A 20100402; MX 2009005210 A 20100303; SG 176484 A1 20111229

DOCDB simple family (application)  
**IB 2006003259 W 20061117**; AU 2006350881 A 20061117; BR PI0622125 A 20061117; CA 2669782 A 20061117; CN 200680056630 A 20061117; EP 06820912 A 20061117; JP 2009536806 A 20061117; MX 2009005210 A 20061117; SG 2011083987 A 20061117