

Title (en)

METHOD FOR INCREASING THE YIELD OF LUBRICATING BASES IN THE REGENERATION OF USED OILS

Title (de)

VERFAHREN ZUR ERHÖHUNG DER AUSBEUTE VON SCHMIERÖLBASEN BEI DER REGENERATION VON ALTÖLEN

Title (fr)

PROCÉDÉ POUR AUGMENTER LE RENDEMENT EN BASES LUBRIFIANTES LORS DE LA RÉGÉNÉRATION D'HUILES USAGÉES

Publication

EP 3078730 A1 20161012 (EN)

Application

EP 13896967 A 20131108

Priority

ES 2013070770 W 20131108

Abstract (en)

The invention defines a process to rerefine used petroleum oils comprising: (a) separating water, light hydrocarbons and asphalts from used petroleum oils and obtaining a lube base oil fraction; (b) distilling the fraction obtained in step (a) in a continuous vacuum fractionation column at moderate temperatures and separating, as lateral extractions, the light, medium and part of the heavy base oils contained in said fraction and, as bottom product, a stream containing the rest of the heavy lube base oils; and (c) evaporating the bottom product obtained in step (b) at moderate temperatures and under vacuum, the absolute pressure of the evaporation being below the absolute pressure of the flash zone in the distillation column of step (b), and obtaining heavy lube base oil vapors, that are condensed and recovered as a liquid heavy lube base oil, and a liquid asphaltic product as a bottom product.

IPC 8 full level

C10M 175/02 (2006.01)

CPC (source: EP)

C10M 175/0033 (2013.01); **C10M 175/02** (2013.01)

Cited by

CN108485790A; US10954468B2

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