Title (en)

PROCESS FOR REGENERATION OF WASTE OILS

Title (de)

PROZESS ZUR AUFARBEITUNG VON ABFALLÖLEN

Title (fr)

PROCÉDÉ POUR LA RÉGÉNÉRATION DES HUILES UTILISÉES

Publication

EP 3098290 B1 20171206 (EN)

Application

EP 16164483 A 20160408

Priority

IT UB20150917 A 20150528

Abstract (en)

[origin: EP3098290A1] A process for the regeneration of waste oils is disclosed, comprising a fractioned distillation in a packed column (21) and hydrorefining and grinding of bitumen and any sediment from other steps, said grinding yielding a liquid fraction, collected as product, and a solid fraction, recycled to the first process steps. The oil to be regenerated is then fed to the process divided into two separate fractions, a better-quality one and a lower-quality one, containing more impurities, said better-quality fraction undergoing flash distillation, centrifugation and dehydration, to then be sent to the distillation packed column (21), while said worse-quality fraction undergoes homogenisation, grinding and decanting, the liquid phase which is obtained following these operations being mixed with the better-quality fraction and the solid phase being recycled to the homogenisation step. A plant for the implementation of the process is also disclosed. Such a plant comprises a packed distillation column (21) and a reactor (27) for hydrorefining and has two feeds (1; 2) of oil to be regenerated and at least one grinding unit (5) of the solid sediments and at least one centrifugal separator (13).

IPC 8 full level

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CPC (source: EP)

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