Title (en)

OIL RECOVERY

Title (de)

ÖLRÜCKGEWINNUNG

Title (fr)

PROCEDE DE REGENERATION D'HUILES

Publication

EP 1795583 A2 20070613 (DE)

Application

EP 05802875 A 20050901

Priority

- RU 2005000446 W 20050901
- RU 2004126510 A 20040903

Abstract (en)

[origin: RU2266316C1] FIELD: lubricants. ^ SUBSTANCE: spent lubricating oil from feed reception stock is settled to remove water and suspended particles and then passed to chemical treatment and coagulation block, to which calculated amounts of coagulant aqueous solution and reagents are added. Mixture is agitated with air and settled to separate waste water, which is sent to oil trap. Thus treated oil is directed to intermediate stock and then to vacuum drying block or to feed preparation stock wherein feed is prepared for vacuum distillation. Dried oil is passed through contact purification and filtration block and then stored in product stock. Oil freed of water and suspended particles may be, after optional vacuum drying, directed to feed preparation stock and then subjected to vacuum distillation. Fuel gases released during vacuum distillation are used to concentrate alkali effluents, light fractions are used as furnace fuel, bottom residue is recovered, and desired lubricating oil fractions are subjected to contact purification and filtration followed by collection of lubricating oil in purified oil stock and mixing them with special additives. Possibility of separately receiving different-quality feed material is also envisaged. ^ EFFECT: enabled reusing environmental dangerous waste, improved quality of regenerated oils, and simplified technology. ^ 2 cl, 1 dwg

IPC 8 full level

C10M 175/00 (2006.01); **C10M 175/02** (2006.01)

CPC (source: EP)

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