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(71) Applicant: **TOTALENERGIES ONETECH** [FR/FR]; La
défense 6, 2 place Jean Millier, 92400 COURBEVOIE (FR).

(72) Inventors: **DE FEO, Modestino**; Centre de Recherche de
Solaize, Chemin du Canal - BP 22, 69360 SOLAIZE (FR).
REVERCHON, Ernesto; Università di Salerno, Via Gio-
vanni Paolo II, n. 132, 84084 FISCIANO (IT). **BALDINO,**
Lucia; Università di Salerno, Via Giovanni Paolo II, n. 132,
84084 FISCIANO (IT).

(74) Agent: **CABINET NONY**; 11 rue Saint-Georges, 75009
PARIS (FR).

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(54) Title: METHOD FOR REGENERATING USED LUBRICANTS USING SUPERCRITICAL CO₂

(57) Abstract: Method for regenerating used lubricants using supercritical CO₂. The present invention relates to a process for regener-
ating a used lubricant composition, especially used for regenerating an engine drain oil, comprising the steps of: - fractionating said
used lubricant composition in a countercurrent fractional distillation column with a countercurrent flow of supercritical carbon dioxide
(sCO₂), wherein said used lubricant composition and supercritical CO₂ are fed in the countercurrent column with a ratio of the sCO₂
flow rate on used lubricant flow rate ranging from 15 to 50; and - recovering the regenerated oil extracted within the supercritical CO₂.
It further relates to a process for preparing a lubricant composition from a regenerated base oil obtained according to the invention.



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