

Title (en)

SATURATION PROCESS FOR MAKING LUBRICANT BASE OILS

Title (de)

SÄTTIGUNGSVERFAHREN ZUR HERSTELLUNG VON SCHMIERBASISÖLEN

Title (fr)

PROCÉDÉ DE SATURATION POUR FABRIQUER DES HUILES DE BASE POUR LUBRIFIANT

Publication

EP 3280782 B1 20191016 (EN)

Application

EP 15722814 A 20150423

Priority

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- US 2015027204 W 20150423

Abstract (en)

[origin: WO2016164053A1] Systems and methods are provided for hydroprocessing a petroleum fraction, such as a bottoms fraction from a fuels hydrocracking process, to generate a lubricant base oil. The aromatic content of such a petroleum fraction can be reduced using a aromatic saturation stage with multiple catalyst beds, or alternatively using a reactor (or reactors) with multiple aromatic saturation stages. The catalysts in the various beds or stages can be selected to provide different types of aromatic saturation activity. An initial bed or stage can provide activity for saturation of 1-ring aromatics in the petroleum fraction. One or more subsequent beds or stages, operating at successively lower temperature, can then be used to reduce the multiple-ring aromatic content of the petroleum fraction.

IPC 8 full level

C10G 45/44 (2006.01); **C10G 45/46** (2006.01); **C10G 45/52** (2006.01); **C10G 45/54** (2006.01); **C10G 65/08** (2006.01)

CPC (source: EP)

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