

Title (en)
NOVEL PROCESS AND CATALYST SYSTEM FOR IMPROVING DEWAXING CATALYST STABILITY AND LUBRICANT OIL YIELD

Title (de)
NEUES VERFAHREN UND KATALYSATORSYSTEM ZUR VERBESSERUNG DER ENTWACHSUNGSKATALYSATORSTABILITÄT UND SCHMIERÖLAUSBEUTE

Title (fr)
NOUVEAU PROCÉDÉ ET SYSTÈME CATALYTIQUE DESTINÉS À AMÉLIORER LA STABILITÉ D'UN CATALYSEUR DE DÉPARAFFINAGE ET LE RENDEMENT EN HUILE LUBRIFIANTE

Publication
EP 2691492 A4 20150617 (EN)

Application
EP 11862225 A 20110331

Priority
US 2011030763 W 20110331

Abstract (en)
[origin: WO2012134484A1] The invention provides for a process for dewaxing a waxy hydrocarbon feedstock to form a lubricant oil. The invention is also directed to a catalyst system comprising a hydrotreating catalyst upstream of a dewaxing catalyst, used in the dewaxing of a waxy hydrocarbon feedstock to form a lubricant oil. In particular, the invention is directed to a process and catalyst system designed to maintain yield of lubricant oil product. Specifically, the yield of lubricant oil does not decrease more than 2%, at a target pour point, over a dewaxing temperature range. The hydrotreating catalyst helps prevent aging of the dewaxing catalyst and maintains lubricant oil product yield at a target pour point over a wide temperature range. The hydrotreating catalyst comprises platinum, palladium, or combinations thereof on a low acidity inorganic oxide support where acidity is measured by a decalin conversion of less than 10% at 700F.

IPC 8 full level
C10G 45/10 (2006.01); **C07C 7/163** (2006.01); **C10G 45/04** (2006.01); **C10G 45/58** (2006.01); **C10G 45/60** (2006.01); **C10G 45/62** (2006.01); **C10G 65/04** (2006.01); **C10G 67/02** (2006.01); **C10M 101/02** (2006.01); **B01J 23/40** (2006.01); **B01J 23/44** (2006.01); **B01J 29/62** (2006.01); **B01J 29/74** (2006.01)

CPC (source: EP)
B01J 21/04 (2013.01); **B01J 21/12** (2013.01); **B01J 21/16** (2013.01); **B01J 23/44** (2013.01); **B01J 29/06** (2013.01); **B01J 35/615** (2024.01); **B01J 35/635** (2024.01); **B01J 37/0009** (2013.01); **B01J 37/0018** (2013.01); **B01J 37/0201** (2013.01); **C10G 45/04** (2013.01); **C10G 45/10** (2013.01); **C10G 45/46** (2013.01); **C10G 45/58** (2013.01); **C10G 45/60** (2013.01); **C10G 45/62** (2013.01); **C10G 65/043** (2013.01); **C10M 101/025** (2013.01); **C10G 2300/1096** (2013.01); **C10G 2300/202** (2013.01); **C10G 2300/304** (2013.01); **C10G 2400/10** (2013.01); **C10M 2203/1025** (2013.01); **C10N 2070/00** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012134484 A1 20121004; CA 2831435 A1 20121004; CA 2831435 C 20180501; CN 103459563 A 20131218; CN 103459563 B 20150617; EP 2691492 A1 20140205; EP 2691492 A4 20150617; JP 2014512431 A 20140522; JP 6095234 B2 20170315; KR 101885190 B1 20180806; KR 20140034177 A 20140319; SG 193576 A1 20131030

DOCDB simple family (application)
US 2011030763 W 20110331; CA 2831435 A 20110331; CN 201180069820 A 20110331; EP 11862225 A 20110331; JP 2014502528 A 20110331; KR 20137028988 A 20110331; SG 2013071113 A 20110331