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04.04.84 Bulletin 84/14(88) Date of deferred publication of search report: **13.08.86**(84) Designated Contracting States:
BE DE FR GB IT NL(71) Applicant: **MOBIL OIL CORPORATION**
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London WC2A 2EB(GB)(54) **Use of high pressure to improve product quality and increase cycle length in catalytic lube dewaxing.**

(57) A process for preparing high quality lube base stock oil from waxy crude oil is provided which comprises separating from the waxy crude a distillate fraction thereof having an initial boiling point of at least 232°C (450°F) and a final boiling point less than 566°C (1050°F), extracting the distillate fraction with a solvent selective for aromatic hydrocarbons to yield a raffinate from which undesirable compounds have been removed, catalytically dewaxing the raffinate in the presence of hydrogen to a pour point not higher than -1°C (+30°F) by contacting the raffinate at a temperature of 260°C to 385°C (500° to 725°F) at a hydrogen partial pressure of above 10350 kPa (1500 psia) in the absence of hydrotreating catalyst with a dewaxing catalyst comprising an aluminosilicate zeolite having a silica/alumina ratio above 12 and a constraint index of from 1 to 12 thereby forming dewaxed raffinate and lower boiling hydrocarbons, and topping the raffinate subsequent to dewaxing to remove therefrom the lower boiling hydrocarbons, thereby directly recovering substantially all of the remainder of the dewaxed raffinate, the remainder having a pour point not higher than -1°C (+30°F).

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	GB-A-2 010 321 (MOBIL) * Claims 1,5,6,10 * -----	1-3,5-8	C 10 G 45/64
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			C 10 G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16-05-1986	Examiner DE HERDT O.C.E.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	