

12 **EUROPEAN PATENT APPLICATION**

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54 **Process for dewaxing heavy distillates and residual liquids.**

57 Process for dewaxing heavy distillate and residual feed. Easily converted waxes are partially removed in a first catalytic dewaxing step, and the resulting product is separated to remove the light ends. The heavy liquid fraction, which contains difficult to convert waxes, such as poly-branched or mid-methyl branched paraffin waxes, is then introduced into a second dewaxing stage, where the liquid stream is dewaxed to a specification pour point. The process may be implemented via double pass dewaxing in existing units or by passing through two consecutive dewaxing units. Improvements are due to a decoupling of temperature requirements in each reaction step and removal of cracked products which inhibit dewaxing and accelerate aging in the second dewaxing stage.

**EP 0 181 066 A3**



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.4)
X	EP-A-0 072 220 (MOBIL) * Claims 1,2; page 6, lines 26-35; page 7, lines 10-20,32-37 * ---	1,5,6,7 ,9	C 10 G 65/04 C 10 G 45/64
A	US-A-3 431 194 (BARTOK et al.) * Claim 1; example 1 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			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 05-04-1988	Examiner DE HERDT O.C.E.
CATEGORY OF CITED DOCUMENTS		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	
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			