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• **FRIDIA, Christopher S.**
 New Orleans, Louisiana 70130 (US)

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(74) Representative: **Nash, David Allan**
Haseltine Lake & Co.,
Imperial House,
15-19 Kingsway
London WC2B 6UD (GB)

(72) Inventors:
 • **CAMPBELL, Curtis B.**
 Hercules, California 94547 (US)

(54) **Production of low fine sediment high TBN phenate stearate**

(57) An overbased phenate stearate is produced by overbasing a mixture that comprises sulfurized phenate, metal stearate (such as calcium stearate), at least one solvent, calcium hydroxide, and water, by contacting the mixture with carbon dioxide in the presence of an alkyl polyhydric alcohol, such as ethylene glycol. The level of agitation is maintained at a level sufficiently high so that all solids are suspended over the length of the overbasing step. The polyhydric alcohol to water ratio is maintained sufficiently high so that the ratio is at least 4:1 at the end of the overbasing step. The overbased mixture is stripped to produce an overbased phenate stearate having less than 0.10 vol.% fine sediments.

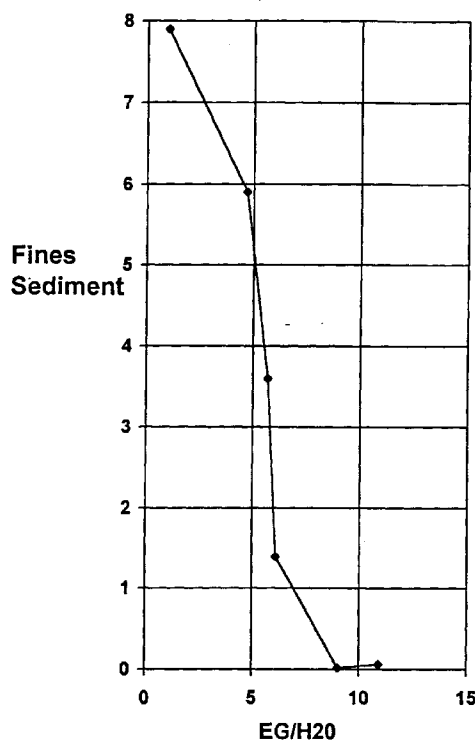


Figure 1
Effect of Ethylene Glycol to Water Ratio
at Low Agitation (ASL of 1-2)

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EUROPEAN SEARCH REPORT

Application Number
EP 96 30 6180

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.6)
X	EP-A-0 640 682 (COSMO) * page 4, line 1 - page 5, line 33; example 10 *	1-8	C07C323/20 C10M159/22 C07G17/00
Y	EP-A-0 410 648 (BP) * claims 1,2,7-9 *	1-8	
Y	US-A-3 372 116 (MEINHARDT) * example 12 *	1-8	
Y	EP-A-0 601 721 (ETHYL) * the whole document *	1-8	
D,Y	EP-A-0 273 588 (BP) * examples 8,13,14 *	1-8	
A	EP-A-0 486 893 (IDEMITSU KOSAN) * abstract; claims 1,2,9,10,17 *	1-8	
A	EP-A-0 558 021 (COSMO) * the whole document *	1-8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C07G C10M C07C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31 January 1997	Examiner De La Morinerie, B
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			

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