

Title (en)
PURIFICATION OF NATURAL OILS WITH ALKALI METAL BOROHYDRIDES

Publication
EP 0116408 A3 19850306 (EN)

Application
EP 84300145 A 19840110

Priority
US 45666883 A 19830110

Abstract (en)
[origin: EP0116408A2] This invention relates to an improved alkali refining process for purifying natural oils such as the triglyceride oils. In accordance with the present invention, it has been found that the color, color stability, odor and/or flavor of the refined oil is improved by refining the oil in the presence of an alkali metal borohydride. In addition, a reduction in the peroxide content of the refined oils has also been observed. Use levels of the alkali metal borohydride typically range from about 50 to about 2000 ppm, based on the weight of the oil.

IPC 1-7
C11B 3/06; C11B 3/00

IPC 8 full level
C11B 3/06 (2006.01)

CPC (source: EP)
C11B 3/06 (2013.01)

Citation (search report)
• [AD] US 3542823 A 19701124 - CRASKE JOHN DAVID, et al
• [A] R.R. ALLEN et al.: "Bailey's industrial oil and fat products", vol. 2, 4th edition, edited by D. Swern, John Wiley & Sons, New York, USA;

Cited by
US2013091759A1; US2013096322A1; US2011113679A1; US8957268B2; US2011160472A1; US8642824B2; US2014275595A1; KR20150129681A; US9388097B2; US2017066993A1; AU2014243795B2; US9284515B2; US9216941B2; WO2014160417A1; WO2013106249A1; US10427146B2; US10744494B2; US8692006B2; US9732282B2; US10071950B2; US10689582B2; US9919299B2; US10343153B2; US11285466B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0116408 A2 19840822; EP 0116408 A3 19850306; IN 160358 B 19870711; JP H0153999 B2 19891116; JP S59136398 A 19840804

DOCDB simple family (application)
EP 84300145 A 19840110; IN 841DE1983 A 19831215; JP 50584 A 19840105