

Title (en)
METHOD OF CONTROLLING LEVEL OF 3-CHLORO-1,2-PROPANEDIOL OR ESTERS THEREOF IN OILS AND FATS

Title (de)
VERFAHREN ZUR STEUERUNG DES PEGELS VON 3-CHLORO-1,2-PROPANDIOL ODER ESTERN DAVON IN ÖLEN UND FETTEN

Title (fr)
PROCÉDÉ D'AJUSTEMENT DE LA TENEUR DU 3-CHLORO-1,2-PROPANEDIOL OU D'ESTERS DE CELUI-CI DANS DES HUILES ET DES MATIÈRES GRASSES

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Application
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Abstract (en)
[origin: EP2594625A1] The present invention discloses a method for controlling the amount of 3-chloro-1,2-propanediol or ester thereof during the refinement of oils and fats, , comprising degumming, bleaching, contacting the resultant bleached oil with water, isolating the water phase, drying the resultant oil phase, and deodorizing.

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Citation (opposition)
Opponent :

- GB 855349 A 19601130 - UNILEVER LTD
- GB 989540 A 19650422 - PROCTOR & GAMBLE LTD
- GB 990034 A 19650422 - HENKEL & CIE GMBH
- WO 2010069028 A1 20100624 - ASSESSA IND COM E EXPORTACAO L [BR]
- EP 2311930 A1 20110420 - MIZUSAWA INDUSTRIAL CHEM [JP]
- RICHARD D O'BRIEN: "Fats and Oils", 1 January 2009, article "Formulating and processing for Applications", pages: 73-110, 122 - 132, XP055403493
- BERTRAND MATTHAUS: "Möglichkeiten der Minimierung von 3-MCPD-Fettsäureestern und verwandten Substanzen in Pflanzenölen", PRESENTATION, 20100125, XP055399320
- "3-MCPD Esters in Food Products", ILSI EUROPE, February 2009 (2009-02-01), XP055403507
- DAN ANDERSON: "bailey's industrial oil and fat products,", article "A Primer on Oils Processing Technologies", pages: 1 - 29, XP055403496
- D R TAYLOR: "Bailey's Industrial Oil and Fat Products, 6th Edition", part chapter 7 2005, article "Bleaching", pages: 285 - 339

Cited by
CN105802731A; CZ307495B6; EP3398450A1; US11760956B2; USRE48861E; WO2020126117A1; US11236286B2; WO2019027315A3; WO2019175258A1; EP3154374B1; EP2640813B1; EP2611767B1; EP3388502B1

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