

Title (en)
MACAÚBA OIL FOR THE PRODUCTION OF OLEOCHEMICALS

Title (de)
MACAUBA-ÖL ZUR HERSTELLUNG VON OLEOCHEMISCHEN PRODUKTEN

Title (fr)
HUILE DE MACAÚBA POUR LA PRODUCTION DE PRODUITS OLÉOCHIMIQUES

Publication
EP 4234534 A1 20230830 (EN)

Application
EP 22158873 A 20220225

Priority
EP 22158873 A 20220225

Abstract (en)
The present invention relates to a process of manufacturing a fatty acid-based surfactants comprising the step of converting oil extracted from a plant having an oil yield in tons per hectare per year of at least 6 t/ha/yr into a fatty acid composition. Further, the present invention relates to fatty acid-based surfactants obtained from the fruits of a plant having an oil yield in tons per hectare per year of at least 6 t/ha/yr and the use thereof in suitable applications.

IPC 8 full level
C07C 309/62 (2006.01); **C11C 3/00** (2006.01); **C11D 1/12** (2006.01); **C11D 1/28** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)
C11C 1/005 (2013.01); **C11C 1/04** (2013.01); **C11C 3/00** (2013.01); **C11D 1/04** (2013.01); **C11C 3/003** (2013.01)

Citation (search report)

- [XYI] US 2009005281 A1 20090101 - HUTTON III HOWARD DAVID [US], et al
- [XYI] US 2008070822 A1 20080320 - HUI SH PAUL D [US], et al
- [XI] US 2007197418 A1 20070823 - RAHSE WILFRIED [DE]
- [XYI] US 2013217608 A1 20130822 - ALLEN DAVE R [US], et al
- [XYI] US 2012184470 A1 20120719 - MAO JIANHUA [US], et al
- [XYI] US 5516447 A 19960514 - BAUER VOLKER [DE], et al
- [XYI] US 2014352080 A1 20141204 - JOB MAREILE [DE], et al
- [Y] EP 0537964 A1 19930421 - UNILEVER PLC [GB], et al
- [XYI] "Bailey's Industrial Oil and Fat Products", 1 January 2005, article YUSOF BASIRON: "Palm Oil", pages: 333 - 429, XP055713216, DOI: 10.1002/047167849X.bio071
- [XYI] KREUTZER U R: "MANUFACTURE OF FATTY ALCOHOLS BASED ON NATURAL FATS AND OILS", JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY, SPRINGER, DE, vol. 61, no. 2, 1 February 1984 (1984-02-01), pages 343 - 348, XP000673352, ISSN: 0003-021X, DOI: 10.1007/BF02678792
- [Y] ANONYMOUS: "Concept Note for the Use of Resources from the FIP Competitive Set-Aside", 18 May 2012 (2012-05-18), pages 1 - 17, XP055939793, Retrieved from the Internet <URL:http://www.inocas.com/Macauuba-Project_concept-note.pdf> [retrieved on 20220707]
- [Y] NAVARRO-DÍAZ HELMUT J ET AL: "Macauuba oil as an alternative feedstock for biodiesel: Characterization and ester conversion by the supercritical method", THE JOURNAL OF SUPERCRITICAL FLUIDS, ELSEVIER, AMSTERDAM, NL, vol. 93, 21 November 2013 (2013-11-21), pages 130 - 137, XP029055136, ISSN: 0896-8446, DOI: 10.1016/J.SUPFLU.2013.11.008
- [XY] ROSSA VINICIUS ET AL: "HYDROLYSIS REACTION OF BRAZILIAN MACAUBA OIL USING USY ZEOLITE AND PHOSPHATED NIOBIA AS CATALYSTS", INTERNATIONAL JOURNAL OF DEVELOPMENT RESEARCH, 15 January 2021 (2021-01-15), pages 1 - 10, XP055940413, Retrieved from the Internet <URL:http://www.journalijdr.com/hydrolysis-reaction-brazilian-macauuba-oil-using-usy-zeolite-and-phosphated-niobia-catalysts> [retrieved on 20220708], DOI: 10.37118/ijdr.20783.01.2021

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4234534 A1 20230830

DOCDB simple family (application)
EP 22158873 A 20220225