

Title (en)

FRACTIONATING METHOD AND FRACTIONATING SYSTEM

Title (de)

FRAKTIONIERUNGSVERFAHREN UND FRAKTIONIERUNGSANLAGE

Title (fr)

PROCÉDÉ ET INSTALLATION DE FRACTIONNEMENT

Publication

EP 2531268 A2 20121212 (DE)

Application

EP 11702425 A 20110127

Priority

- DE 102010006618 A 20100201
- EP 2011051169 W 20110127

Abstract (en)

[origin: WO2011092260A2] The invention relates to a method for fractionating an oil using a fractionating system, preferably a natural oil, in particular a vegetable or animal oil, which yields one or more solid fractions and a liquid fraction, wherein a) the optionally pretreated, heated natural oil is mixed with a solvent and is cooled in one or more steps in a cooling reactor, through which the oil/solvent mixture continuously flows, to a fractionation temperature such that by way of crystallization a mixture composed of a crystalline solid fraction and a liquid fraction is formed, b) whereupon the mixture from step a) is continuously separated centrifugally into the liquid and the crystalline phase or fraction. Furthermore a separator comprising a feed for washing liquid, which removes the oil from the heavy phase in the counter-flow, is provided.

IPC 8 full level

B01D 9/00 (2006.01)

CPC (source: EP)

B01D 9/0013 (2013.01); **B01D 9/004** (2013.01); **B01D 9/0059** (2013.01); **B04B 1/08** (2013.01); **B04B 15/12** (2013.01); **C11B 7/0016** (2013.01); **C11B 7/0025** (2013.01); **C11B 7/0075** (2013.01)

Citation (search report)

See references of WO 2011092260A2

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

DOCDB simple family (publication)

DE 102010006618 A1 20110804; EP 2531268 A2 20121212; WO 2011092260 A2 20110804; WO 2011092260 A3 20111201

DOCDB simple family (application)

DE 102010006618 A 20100201; EP 11702425 A 20110127; EP 2011051169 W 20110127