

Title (en)

SYSTEM AND METHOD FOR MIXING POLYUNSATURATED FATTY ACIDS INTO A FLUID FOOD PRODUCT

Title (de)

SYSTEM UND VERFAHREN ZUM MISCHEN MEHRFACH UNGESÄTTIGTER FETTSÄUREN IN EIN FLÜSSIGES LEBENSMITTELPRODUKT

Title (fr)

SYSTÈME ET PROCÉDÉ DE MÉLANGE D'ACIDES GRAS POLYINSATURÉS DANS UN PRODUIT ALIMENTAIRE FLUIDE

Publication

EP 3585176 A1 20200101 (EN)

Application

EP 18708552 A 20180221

Priority

- US 201715438387 A 20170221
- US 201715438410 A 20170221
- US 2018018889 W 20180221

Abstract (en)

[origin: WO2018156541A1] An apparatus for distributing oil into fluid food product includes a batch tank, a transfer line, a pressure tank, a funnel, an oil dispenser, an inline shear mixer, and a flow line. The batch tank holds a volume of fluid food product. The transfer line is in fluid connection with the batch tank. The pressure tank holds a volume of oil. The funnel is disposed through a top opening in the pressure tank and dispenses oil into the pressure tank. A stem portion of the funnel extends at least halfway into an interior of the pressure tank. The funnel includes at least one vent. The oil dispenser dispenses oil from the pressure tank into a flow of fluid food product from the batch tank. The inline shear mixer mixes the fluid food product and the oil. The flow line flows the fluid food product-and-oil mixture to the batch tank.

IPC 8 full level

A23C 9/20 (2006.01); **A23L 33/12** (2016.01)

CPC (source: EP RU)

A23C 9/20 (2013.01 - EP RU); **A23D 7/00** (2013.01 - RU); **A23L 33/12** (2016.08 - EP)

Citation (examination)

- EP 2230924 B1 20150715 - TROPICANA PROD INC [US]
- US 2004158087 A1 20040812 - STROHMAIER GEORGE K [US], et al
- See also references of WO 2018156541A1

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

DOCDB simple family (publication)

WO 2018156541 A1 20180830; CA 3053163 A1 20180830; CA 3053163 C 20230117; EP 3585176 A1 20200101; MX 2019009743 A 20191007; RU 2731721 C1 20200908

DOCDB simple family (application)

US 2018018889 W 20180221; CA 3053163 A 20180221; EP 18708552 A 20180221; MX 2019009743 A 20180221; RU 2019129615 A 20180221