

Title (en)
CO-CRYSTALLIZED SURFACTANT BLEND

Title (de)
CO-KRISTALLISIERTE TENSID-MISCHUNG

Title (fr)
MELANGE D'AGENTS TENSIOACTIFS CO-CRISTALLISES

Publication
EP 1220619 A1 20020710 (EN)

Application
EP 00968689 A 20001005

Priority
• US 0027395 W 20001005
• US 15785599 P 19991006

Abstract (en)
[origin: WO0124643A1] This invention relates to a method for producing a particulate co-crystallized surfactant blend for use in food processing, comprising the steps of: (a) blending a first surfactant, comprising a compound selected from the group consisting of edible salts of stearyl lactylate, diacetic tartaric acid esters of monoglycerides and mixtures thereof, with the second surfactant, comprising a monoglyceride preparation selected from the group consisting of concentrated monoglycerides having an Iodine Value between 1 and 70, mono-diglycerides having an Iodine Value between 1 and 70 and mixtures thereof, to produce a combination, wherein the ratio of the first surfactant to the second surfactant is between 2:8 and 8:2, by weight; (b) processing the combination by mixing and heating to a temperature sufficient to produce a molten blend; and (c) processing the molten blend by cooling and forming particles. Preferably, the first surfactant comprises sodium stearyl lactylate, the second surfactant comprises a distilled monoglyceride with an Iodine Value of between 1 and 30, and the ratio of the first surfactant to the second surfactant is about 1:1, by weight. The invention also relates to a particulate co-crystallized surfactant blend produced by this method, to methods for using this co-crystallized surfactant blend, and to foods incorporating it.

IPC 1-7
A23L 1/035; A21D 2/16; A23L 3/3517

IPC 8 full level
A21D 2/16 (2006.01); **A23G 3/34** (2006.01); **A23G 9/52** (2006.01); **A23L 3/3517** (2006.01); **A23L 29/10** (2016.01)

CPC (source: EP)
A21D 2/16 (2013.01); **A23G 3/343** (2013.01); **A23G 3/346** (2013.01); **A23G 9/52** (2013.01); **A23L 3/3517** (2013.01); **A23L 29/10** (2016.07); **A23G 2200/08** (2013.01)

Citation (search report)
See references of WO 0124643A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0124643 A1 20010412; AU 7856400 A 20010510; CA 2386245 A1 20010412; EP 1220619 A1 20020710

DOCDB simple family (application)
US 0027395 W 20001005; AU 7856400 A 20001005; CA 2386245 A 20001005; EP 00968689 A 20001005