

Title (en)

Stable liquid oil-in-water or water-in-oil emulsions based on vegetal or mineral oils

Title (de)

Stabile flüssige Öl-in-Wasser oder Wasser-in-Öl Emulsionen auf Grundlage von Pflanzen- oder Mineralölen

Title (fr)

Emulsion huile dans eau ou eau dans l'huile, liquide et stable, à base d'huiles végétales ou minérales

Publication

EP 2181820 A1 20100505 (FR)

Application

EP 09306024 A 20091028

Priority

FR 0857421 A 20081031

Abstract (en)

Water in oil or oil in water emulsion (I) comprises: an oily phase comprising one or more oils of vegetable, mineral and/or synthetic origin, at least one nonionic and/or anionic emulsifying surfactant; and an aqueous phase comprising water and at least one phyllosilicate (I). Water in oil or oil in water emulsion comprises: an oily phase comprising one or more oils of vegetable, mineral and/or synthetic origin, at least one nonionic and/or anionic emulsifying surfactant; and an aqueous phase comprising water and at least one phyllosilicate of formula $(Na^{+} > 0 \cdot 7[(Si \ 8Mg \ 5 \cdot 5Li \ 0 \cdot 3)O \ 2 \ 0(OH) \ 4] \rightarrow 0 > 7 >)$. Independent claims are included for: (1) concentrated water in oil or oil in water emulsion comprising at least one or more oils of vegetable, mineral and/or synthetic origin and a nonionic and/or anionic emulsifying surfactant and the phyllosilicate, previously dissolved in a minimum water to obtain a gel or fluid sol, where the dilution allows to obtain (I); (2) preparing (I) comprising: preparing the oily phase by mixing the components comprising at least one or more vegetable, mineral and/or synthetic oils and an anionic and/or ionic emulsifying surfactant in oily phase; preparing the aqueous phase by mixing the components comprising at least water and the phyllosilicate; and mixing continuously or in batch, the oily phase and the aqueous phase in a dissolver; and (3) preparing a concentrate by a water in oil or oil in water emulsion comprising: dissolving the phyllosilicate in a minimum of water to form a gel or fluid sol; mixing at least one or more vegetable and/or mineral and/or synthetic oils and a nonionic and/or anionic emulsifying surfactant of the oily phase; and mixing the mixtures.

Abstract (fr)

La présente invention concerne une émulsion eau dans huile (e/h) ou huile dans l'eau (h/e) composée d'une phase huileuse comprenant une ou plusieurs huiles d'origine végétale et/ou minérale et/ou de synthèse, au moins un tensio-actif émulateur non ionique et/ou anionique, et une phase aqueuse comprenant de l'eau, caractérisée en ce que la phase aqueuse comprend au moins un phyllosilicate, de sorte à obtenir une émulsion fluide et stable dans le temps. La présente invention se rapporte également à l'utilisation et au procédé de préparation de l'émulsion susmentionnée. La présente invention concerne aussi un concentré de l'émulsion susmentionnée, ainsi que son procédé de fabrication.

IPC 8 full level

B28B 7/38 (2006.01); **C09K 23/54** (2022.01)

CPC (source: EP US)

B28B 7/384 (2013.01 - EP US)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2181820 A1 20100505; EP 2181820 B1 20110831; AT E522334 T1 20110915; CN 101724501 A 20100609; DK 2181820 T3 20120102; ES 2373021 T3 20120130; FR 2937883 A1 20100507; PT 2181820 E 20111221; US 2010113319 A1 20100506; US 8044014 B2 20111025

DOCDB simple family (application)

EP 09306024 A 20091028; AT 09306024 T 20091028; CN 200910209080 A 20091030; DK 09306024 T 20091028; ES 09306024 T 20091028; FR 0857421 A 20081031; PT 09306024 T 20091028; US 60974009 A 20091030