

Title (en)
STABLE OIL-IN-WATER EMULSION, METHOD FOR PREPARING SAME AND USE IN COSMETICS AND DERMATOLOGY

Title (de)
STABILE OEL-IN-WASSER EMULSION, IHR VERFAHREN ZUR HERSTELLUNG UND IHRE VERWENDUNG IN DER KOSMETIK UND DERMATOLOGIE

Title (fr)
EMULSION HUILE-DANS-EAU STABLE, SON PROCEDE DE FABRICATION ET SON UTILISATION DANS LES DOMAINES COSMETIQUE ET DERMATOLOGIQUE

Publication
EP 1047372 A1 20001102 (FR)

Application
EP 99946286 A 19991004

Priority
• FR 9902361 W 19991004
• FR 9812622 A 19981008

Abstract (en)
[origin: FR2784310A1] The emulsion consists of oil phase, in form of globules dispersed in aqueous phase. Oil phase constitutes at least 15 wt. % per total wt. of emulsion. Aqueous phase contains at least one copolymer (C) composed of main fraction of 3-6C carboxylic acid monomer with mono-olefin unsaturation, or its anhydride, and minor fraction of acrylic acid fatty chain ester monomer; and contains no surfactant. The emulsion consists of oil phase, in form of globules of average size below 20 (preferably 0.5-15) microns dispersed in aqueous phase. Oil phase constitutes at least 15 wt.% per total wt. of emulsion. Aqueous phase contains at least one copolymer (C) composed of main fraction (80-98 wt.%) of 3-6C carboxylic acid monomer with mono-olefin unsaturation, or its anhydride, and minor fraction (2-20 wt.%, per total wt. of two monomers) of acrylic acid fatty chain ester monomer; and contains no surfactant. Independent claims are also included for: (1) The use of emulsion as claimed in treatment, protection, care and/or cleaning of skin, mucous membranes and/or hair, and/or for make-up of skin and mucous membranes, and also in production of dermatological compositions for treatment and/or protection of skin, mucous membranes and/or hair; and (2) process of making the emulsion as claimed, comprising introducing oil phase under pressure higher than critical pressure (preferably 30-350 kPa) into aqueous phase containing copolymer, through porous glass membrane having average pore size 0.1-5 (preferably 0.3-3) microns.

IPC 1-7
A61K 7/00

IPC 8 full level
A61K 9/107 (2006.01); **A61K 8/00** (2006.01); **A61K 8/06** (2006.01); **A61K 8/72** (2006.01); **A61K 47/32** (2006.01); **A61Q 1/00** (2006.01); **A61Q 1/02** (2006.01); **A61Q 5/00** (2006.01); **A61Q 19/00** (2006.01); **B01J 13/00** (2006.01); **C08L 101/00** (2006.01); **C09K 23/52** (2022.01)

CPC (source: EP)
A61K 8/062 (2013.01); **A61K 8/8152** (2013.01); **A61Q 19/00** (2013.01); **A61K 2800/33** (2013.01)

Citation (search report)
See references of WO 0021491A1

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)
FR 2784310 A1 20000414; **FR 2784310 B1 20001110**; BR 9915585 A 20010703; CA 2312032 A1 20000420; EP 1047372 A1 20001102; JP 2002527531 A 20020827; KR 100388692 B1 20030625; KR 20010032842 A 20010425; WO 0021491 A1 20000420

DOCDB simple family (application)
FR 9812622 A 19981008; BR 9915585 A 19991004; CA 2312032 A 19991004; EP 99946286 A 19991004; FR 9902361 W 19991004; JP 2000575467 A 19991004; KR 20007006168 A 20000607