

Title (en)
MICROCELLULAR EMULSION FOAMS

Title (de)
MIKROZELLULÄRE EMULSIONSSCHÄUME

Title (fr)
MOUSSE ÉMULSIONNÉE MICROCELLULAIRE

Publication
EP 3331942 A1 20180613 (DE)

Application
EP 16750722 A 20160803

Priority
• DE 102015009961 A 20150805
• EP 2016068509 W 20160803

Abstract (en)
[origin: WO2017021436A1] The present invention relates to an emulsion for producing a microcellular emulsion foam in film form, and a method for producing said microcellular emulsion foam in film form. The emulsion comprises: a) a polymer solution, comprising a first solvent and at least one polymer which is an undissolved solid at 23 °C and 1013 mbar; b) a second solvent, which is immiscible with the first solvent and forms the dispersed phase of the emulsion; wherein the boiling point of the second solvent at 1013 mbar is (i) \geq the boiling point of the first solvent and (ii) \leq the melting temperature of the polymer; and wherein the emulsion comprises c) an emulsifier or wherein the polymer is an amphiphilic polymer.

IPC 8 full level
C08J 9/28 (2006.01); **C09J 5/08** (2006.01); **C09J 7/10** (2018.01)

CPC (source: EP US)
C08J 9/283 (2013.01 - EP US); **C09J 7/10** (2017.12 - EP US); **C08J 2201/026** (2013.01 - EP); **C08J 2201/05** (2013.01 - EP); **C08J 2205/044** (2013.01 - EP); **C08J 2323/06** (2013.01 - EP); **C08J 2353/02** (2013.01 - EP); **C09J 2301/302** (2020.08 - EP); **C09J 2400/24** (2013.01 - EP); **C09J 2493/00** (2013.01 - EP)

Citation (search report)
See references of WO 2017021436A1

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 2017021436 A1 20170209; DE 102016214304 A1 20170209; EP 3331942 A1 20180613

DOCDB simple family (application)
EP 2016068509 W 20160803; DE 102016214304 A 20160803; EP 16750722 A 20160803