

Title (en)

POROUS MEMBRANES MADE OF CROSS-LINKABLE SILICONE COMPOSITIONS

Title (de)

PORÖSE MEMBRANEN AUS VERNETZBAREN SILICONZUSAMMENSETZUNGEN

Title (fr)

MEMBRANES POREUSES À BASE DE COMPOSITIONS DE SILICONE RÉTICULABLES

Publication

EP 2892637 A1 20150715 (DE)

Application

EP 13750043 A 20130814

Priority

- DE 102012215881 A 20120907
- EP 2013066985 W 20130814

Abstract (en)

[origin: WO2014037197A1] The invention relates to a method for producing thin porous membranes made of cross-linkable silicone compositions (S), according to which method an emulsion is formed from the silicone compositions (S) using a pore forming agent (P) in the presence of an emulsifier (E) and optionally solvent (L) in a first step, the emulsion is given a form and the solvent (L), if present, is allowed to evaporate in a second step, the emulsion is cross-linked in a third step, and the pore forming agent (P) is removed from the cross-linked membrane in a fourth step. The invention further relates to membranes that can be produced according to the method and to the use thereof for separating mixtures, in adhesive plasters, as a water-repellent and breathable layer in textiles or as packaging materials.

IPC 8 full level

B01D 67/00 (2006.01); **B01D 71/70** (2006.01); **C08G 77/20** (2006.01); **C08J 9/28** (2006.01); **C08L 83/04** (2006.01)

CPC (source: EP KR US)

A61F 13/01017 (2024.01 - US); **A61L 15/26** (2013.01 - EP KR US); **A61L 15/425** (2013.01 - EP KR US); **A61L 15/52** (2013.01 - EP KR US); **B01D 67/00091** (2022.08 - EP KR US); **B01D 67/0013** (2013.01 - EP KR US); **B01D 67/003** (2013.01 - EP KR US); **B01D 71/701** (2022.08 - EP KR US); **C08G 77/12** (2013.01 - KR); **C08G 77/20** (2013.01 - KR); **C08J 9/28** (2013.01 - KR US); **C08L 83/14** (2013.01 - EP KR US); **B01D 2323/18** (2013.01 - EP US); **B01D 2323/30** (2013.01 - EP US); **C08G 77/12** (2013.01 - EP US); **C08G 77/20** (2013.01 - EP US); **C08J 2201/04** (2013.01 - EP KR US); **C08J 2383/04** (2013.01 - EP KR US)

C-Set (source: EP US)

A61L 15/26 + **C08L 83/04**

Citation (search report)

See references of WO 2014037197A1

Citation (examination)

WO 9825982 A1 19980618 - CIBA GEIGY AG [CH], et al

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)

DE 102012215881 A1 20140313; CN 104602795 A 20150506; EP 2892637 A1 20150715; JP 2015527469 A 20150917; KR 20150044962 A 20150427; TW 201410314 A 20140316; TW I495503 B 20150811; US 2015218334 A1 20150806; WO 2014037197 A1 20140313

DOCDB simple family (application)

DE 102012215881 A 20120907; CN 201380046491 A 20130814; EP 13750043 A 20130814; EP 2013066985 W 20130814; JP 2015530338 A 20130814; KR 20157007561 A 20130814; TW 102129795 A 20130820; US 201314425490 A 20130814