

Title (en)
NANOFILTRATION MEMBRANE

Title (de)
NANOFILTRATIONSMEMBRAN

Title (fr)
MEMBRANE DE NANOFILTRATION

Publication
EP 2673074 A1 20131218 (DE)

Application
EP 12702837 A 20120209

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Abstract (en)
[origin: EP2486974A1] Nanofiltration membrane comprises a porous supporting membrane, where the surface of supporting membrane is coated with an emulsion polymerization prepared polymer particles having a particle diameter of less than 70 nm, preferably 40-50 nm. Independent claims are also included for: (1) producing a nanofiltration membrane having a porous supporting membrane, comprising applying a dispersion (latex) of polymer particles prepared by emulsion polymerization to the supporting membrane and forming a polymer layer on separation-active layer of the support membrane; and (2) use of polymer particles obtained by emulsion polymerization with mean particle diameter less than 70 nm, preferably 40-50 nm for the preparation of a nanofiltration membrane.

IPC 8 full level
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CPC (source: EP US)
B01D 61/027 (2013.01 - US); **B01D 67/0088** (2013.01 - EP US); **B01D 67/00931** (2022.08 - EP US); **B01D 69/12** (2013.01 - EP US); **B01D 69/125** (2013.01 - EP US); **B01D 71/281** (2022.08 - EP US); **B01D 71/32** (2013.01 - EP US); **B01D 71/36** (2013.01 - EP US); **B01D 71/40** (2013.01 - EP US); **B01D 71/42** (2013.01 - EP US); **B01D 71/82** (2013.01 - EP US); **C08F 2/22** (2013.01 - EP US); **B01D 2323/26** (2013.01 - EP US); **B01D 2323/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2012107510A1

Citation (examination)
DE 102007011424 A1 20080911 - LANXESS DEUTSCHLAND GMBH [DE], et al

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