

Title (en)

REINFORCED ION-EXCHANGE MEMBRANE COMPRISED OF A SUPPORT, AND LAMINATED THEREON, A POLYMERIC FILM

Title (de)

VERSTÄRKTE IONENAUSTAUSCHERMEMBRAN, BESTEHEND AUS EINEM TRÄGER UND EINEM DARAUFLAMINIERTEN POLYMERFILM

Title (fr)

MEMBRANE ÉCHANGEUSE D'IONS RENFORCÉE COMPOSÉE D'UN SUPPORT ET D'UN FILM POLYMÈRE APPLIQUÉ EN COUCHE SUR LE SUPPORT

Publication

EP 2125173 A1 20091202 (EN)

Application

EP 07703267 A 20070205

Priority

EP 2007000957 W 20070205

Abstract (en)

[origin: WO2008095509A1] The present invention relates to a reinforced ion- exchange membrane comprised of a porous support matrix and, laminated thereon, an polymeric film. Specifically, the present invention relates to a reinforced ion-exchange membrane comprising a porous support matrix and, laminated on at least on side thereof, a polymeric film, wherein the porous support matrix has no electric resistance as measured in the six compartment configuration and wherein the polymeric film comprises a polymer functionalized with charged moieties in a degree of at least 50%.

IPC 8 full level

B01D 71/52 (2006.01); **B01D 61/42** (2006.01); **B01D 61/44** (2006.01); **B01D 69/10** (2006.01); **B01D 71/66** (2006.01); **B01D 71/68** (2006.01)

CPC (source: EP US)

B01D 61/422 (2013.01 - EP); **B01D 61/423** (2022.08 - US); **B01D 61/44** (2013.01 - EP); **B01D 61/54** (2013.01 - EP); **B01D 69/10** (2013.01 - EP); **B01D 69/107** (2022.08 - US); **B01D 71/52** (2013.01 - EP); **B01D 71/5222** (2022.08 - US); **B01D 71/68** (2013.01 - EP); **B01D 71/82** (2013.01 - EP); **B32B 27/02** (2013.01 - EP); **B32B 27/08** (2013.01 - EP); **B32B 27/12** (2013.01 - EP); **B32B 27/32** (2013.01 - EP); **C08J 5/2275** (2013.01 - EP); **H01M 8/1025** (2013.01 - EP); **H01M 8/1027** (2013.01 - EP); **H01M 8/1032** (2013.01 - EP); **H01M 8/1044** (2013.01 - EP); **H01M 8/1053** (2013.01 - EP); **H01M 8/106** (2013.01 - EP); **H01M 8/1062** (2013.01 - EP); **H01M 8/1067** (2013.01 - EP); **H01M 8/1069** (2013.01 - EP); **H01M 8/1081** (2013.01 - EP); **B01D 2325/26** (2013.01 - EP); **C08J 2371/12** (2013.01 - EP); **C08J 2381/06** (2013.01 - EP); **H01M 8/0289** (2013.01 - EP); **H01M 2300/0082** (2013.01 - EP); **Y02A 20/124** (2018.01 - EP); **Y02E 60/50** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Cited by

US11502323B1; US11611099B1; US11502322B1; US11563229B1; US11699803B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008095509 A1 20080814; EP 2125173 A1 20091202

DOCDB simple family (application)

EP 2007000957 W 20070205; EP 07703267 A 20070205