

Title (en)

MULTILAYER CATION EXCHANGE CHLORALKALI MEMBRANE

Title (de)

MEHRSCHICHTIGE CHLORALKALIMEMBRAN FÜR KATIONENAUSTAUSCH

Title (fr)

MEMBRANE DE CHLORALCALI À ÉCHANGE CATIONIQUE MULTICOUCHE

Publication

EP 3924537 B1 20240703 (EN)

Application

EP 20713433 A 20200213

Priority

- US 201962805333 P 20190214
- US 2020018024 W 20200213

Abstract (en)

[origin: WO2020168023A1] A multilayer cation exchange membrane for use in a chloralkali process comprising an carboxylate layer comprising a fluorinated ionomer containing carboxylate groups on one side of the membrane, an exterior sulfonate layer comprising a fluorinated ionomer containing sulfonate groups on the side of the membrane opposite the carboxylate layer, and an interior sulfonate layer comprising a fluorinated ionomer containing sulfonate groups between the carboxylate layer and the exterior sulfonate layer, the exterior sulfonate layer having an ion exchange ratio greater than about 11.3, and the interior sulfonate layer having an ion exchange ratio less than about 11.

IPC 8 full level

C25B 9/19 (2021.01); **C25B 1/46** (2006.01); **C25B 13/08** (2006.01)

CPC (source: EP KR US)

C25B 1/46 (2013.01 - EP KR US); **C25B 9/19** (2021.01 - EP KR); **C25B 13/02** (2013.01 - KR US); **C25B 13/08** (2013.01 - EP KR US)

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US 2020018024 W 20200213; CN 202080014417 A 20200213; EP 20713433 A 20200213; JP 2021547255 A 20200213; KR 20217028814 A 20200213; US 202017426794 A 20200213