

Title (en)

A NOVEL COMPOSITE MEMBRANE IN NANOFIBER FORM FOR SELECTIVELY SEPARATING ANIONIC AND CATIONIC ORGANIC COMPOUNDS, AND A PREPARATION METHOD THEREOF

Title (de)

NEUARTIGE KOMPOSITMEMBRAN IN NANOFASERFORM ZUR SELEKTIVEN TRENNUNG VON ANIONISCHEN UND KATIONISCHEN ORGANISCHEN VERBINDUNGEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

NOUVELLE MEMBRANE COMPOSITE SOUS FORME DE NANOFIBRES POUR SÉPARER SÉLECTIVEMENT DES COMPOSÉS ORGANIQUES ANIONIQUES ET CATIONIQUES, ET SON PROCÉDÉ DE PRÉPARATION

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Abstract (en)

[origin: WO2021133332A2] The present invention relates to a cross-linked composite membrane developed to be used for selectively separating cationic organic compounds from an aqueous solution comprising cationic and anionic organic compounds, and to a method for preparing said composite membrane. The inventive composite membrane comprises cross-linked nanofibers and has a water- insoluble, flexible, and pliable (bendable) structure. The inventive composite membrane is used as a filter for selectively separating cationic organic compounds from an aqueous solution comprising cationic and anionic organic compounds.

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