

Title (en)
POLYMER SOLUTION, FIBER MAT, AND NANOFIBER MEMBRANE-ELECTRODE-ASSEMBLY THEREWITH, AND METHOD OF FABRICATING SAME

Title (de)
POLYMERLÖSUNG, FASERMATTE UND NANOFASERMEMBRANELEKTRODENANORDNUNG DAMIT SOWIE VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
SOLUTION DE POLYMÈRE, MAT DE FIBRES ET ENSEMBLE MEMBRANE-ÉLECTRODE EN NANOFIBRES L'INCLUANT, ET SON PROCÉDÉ DE FABRICATION

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Abstract (en)
[origin: WO2016048309A1] In one aspect of the present invention, a fiber mat is provided. The fiber mat includes at least one type of fibers, which includes one or more polymers. The fiber mat may be a single fiber mat which includes one type of fibers, or may be a dual or multi fiber mat which includes multiple types of fibers. The fibers may further include particles of a catalyst. The fiber mat may be used to form an electrode or a membrane. In a further aspect, a fuel cell membrane-electrode-assembly has an anode electrode, a cathode electrode, and a membrane disposed between the anode electrode and the cathode electrode. Each of the anode electrode, the cathode electrode and the membrane may be formed with a fiber mat.

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