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(54) Title: ION EXCHANGE MEMBRANE AND METHOD OF MANUFACTURING AN ION EXCHANGE MEMBRANE

(57) Abstract: This invention relates to an an-ion exchange membrane and method for making said membrane. The membrane being intended for use in electrolyzers or other AEM electrochemical devices. The membrane comprises: a thermoplastic elastomer (TPE) comprising styrene, said TPE being a polymeric backbone, wherein: the styrene content of the thermoplastic elastomer is between 30wt % and 70wt%, and crosslinking of a first polymeric backbone to one or more other polymeric backbones, and one or more cationic groups, and the functionalisation degree is between 1% and 50%.



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