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(54) **METHOD FOR PRODUCING COMPOSITE MEMBRANE, MEMBRANE OBTAINED BY THE METHOD, AND ITS USE**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a method for producing composite membranes capable of producing the membrane improving mechanical stability and proton conductivity.

SOLUTION: This method for producing composite membranes is that (a) branched polyalkoxy siloxane is prepared, (b) an organic proton conductive material is prepared, (c) the branched polyalkoxy siloxane and the organic proton conductive material are mixed, and (d) the membrane is produced with the composite material component mixture.

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