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(54) **POLYMER ELECTROLYTE MEMBRANE COMPRISING COORDINATION POLYMER**

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C08J 5/20 (2006.01)
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H01M 8/10 (2006.01)

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(58) **Field of Classification Search** 521/27, 521/30–33; 429/33, 492
See application file for complete search history.

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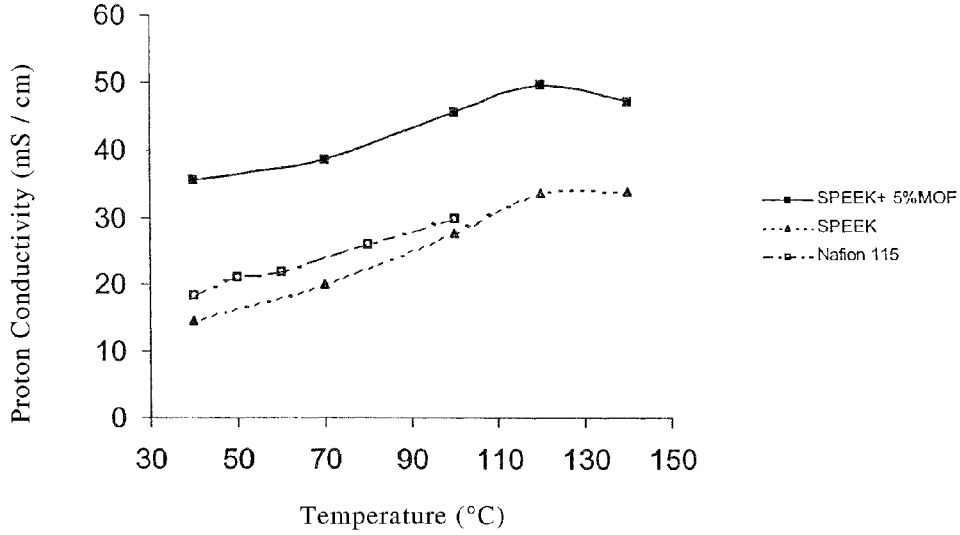
(57) **ABSTRACT**

A polymer electrolyte membrane is made from a polymer electrolyte and a coordination polymer, and finds use in a fuel cell. The polymer electrolyte membrane may be made by dissolving a polymer electrolyte in a solvent to provide a first solution, adding a coordination polymer to the first solution to yield a second solution, and forming the second solution into a film.

9 Claims, 1 Drawing Sheet