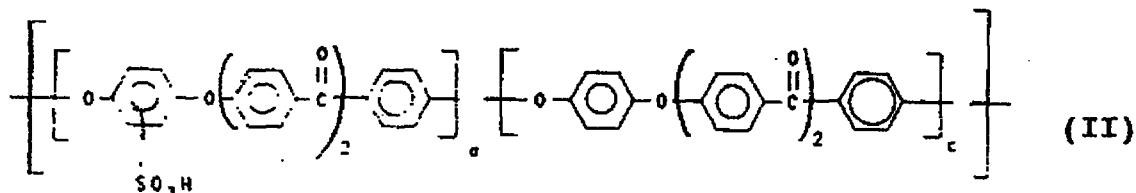


Abstract of the disclosure:

Polymer electrolytes are described that comprise a sulfonated aromatic polyether ketone, e.g. of the formula II



where

A is from 0.2 to 1,

c is from 0 to 0.8, and

a + c = 1.

The polymer electrolytes are prepared by dissolving an aromatic polyether ketone in 94-97 % by weight sulfuric acid and adding a sulfonating agent, e.g. oleum, to the solution until the sulfuric acid concentration is from 98 to 99.9 % by weight.

This Sheet Has Been Replaced



A-0303030