US006956083B2

(12) **United States Patent**
Kerr et al.

(10) **Patent No.: US 6,956,083 B2**
(45) **Date of Patent: Oct. 18, 2005**

(54) **SINGLE ION CONDUCTOR CROSS-LINKED POLYMERIC NETWORKS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 334 days.

(21) Appl. No.: **10/160,495**

(22) Filed: **May 31, 2002**

(65) **Prior Publication Data**

US 2003/0023001 A1 Jan. 30, 2003

Related U.S. Application Data

(60) Provisional application No. 60/294,954, filed on May 31, 2001, and provisional application No. 60/294,724, filed on May 31, 2001.

(51) **Int. Cl.**[7] **C08L 63/08**; C08F 255/06; C08F 283/10; C08F 285/00

(52) **U.S. Cl.** **525/69**; 525/83; 525/118; 525/258; 525/259; 525/329.9

(58) **Field of Search** 525/69, 83, 118, 525/258, 259, 329.9

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(57) **ABSTRACT**

Single ion conductors comprising polymer electrolytes prepared by grafting a salt compound onto a comb-branch polymer or dendrimer are disclosed having superior properties.

15 Claims, 10 Drawing Sheets