



US005795782A

United States Patent [19]
Church et al.

[11] **Patent Number:** **5,795,782**
[45] **Date of Patent:** **Aug. 18, 1998**

[54] **CHARACTERIZATION OF INDIVIDUAL POLYMER MOLECULES BASED ON MONOMER-INTERFACE INTERACTIONS**

[75] **Inventors:** **George Church**, Brookline, Mass.; **David W. Deamer**, Santa Cruz, Calif.; **Daniel Branton**, Lexington; **Richard Baldarelli**, Natick, both of Mass.; **John Kasianowicz**, Darnestown, Md.

[73] **Assignees:** **President & Fellows of Harvard College**, Cambridge, Mass.; **The Regents of the University of California**, Oakland, Calif.

[21] **Appl. No.:** **405,735**

[22] **Filed:** **Mar. 17, 1995**

[51] **Int. Cl.⁶** **G01N 33/483**

[52] **U.S. Cl.** **436/2; 436/151; 435/4**

[58] **Field of Search** **435/6. 4. 5; 436/2, 436/151**

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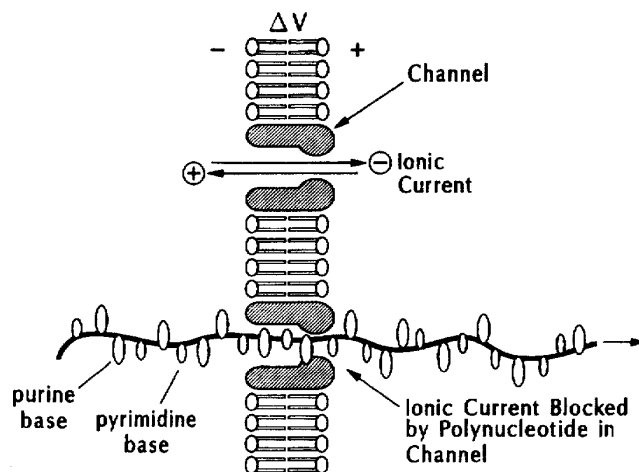
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Primary Examiner—Charles L. Patterson, Jr.
Attorney, Agent, or Firm—Fish & Richardson P.C.

[57] **ABSTRACT**

A method is disclosed for characterizing a linear polymer molecule by measuring physical changes across an interface between two pools of media as the linear polymer traverses the interface and monomers of the polymer interact with the interface, where the physical changes are suitable to identify characteristics of the polymer.

15 Claims, 6 Drawing Sheets



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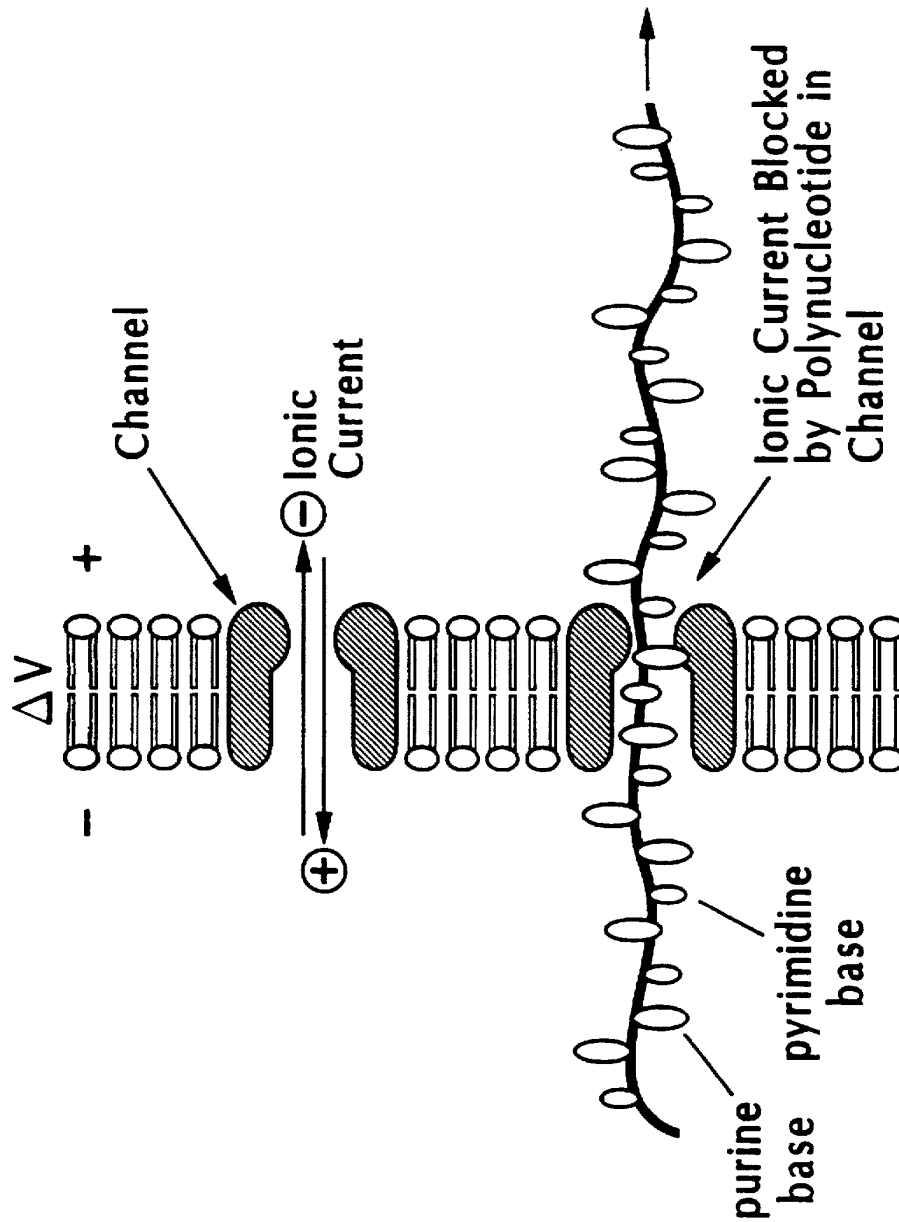


FIG. 1

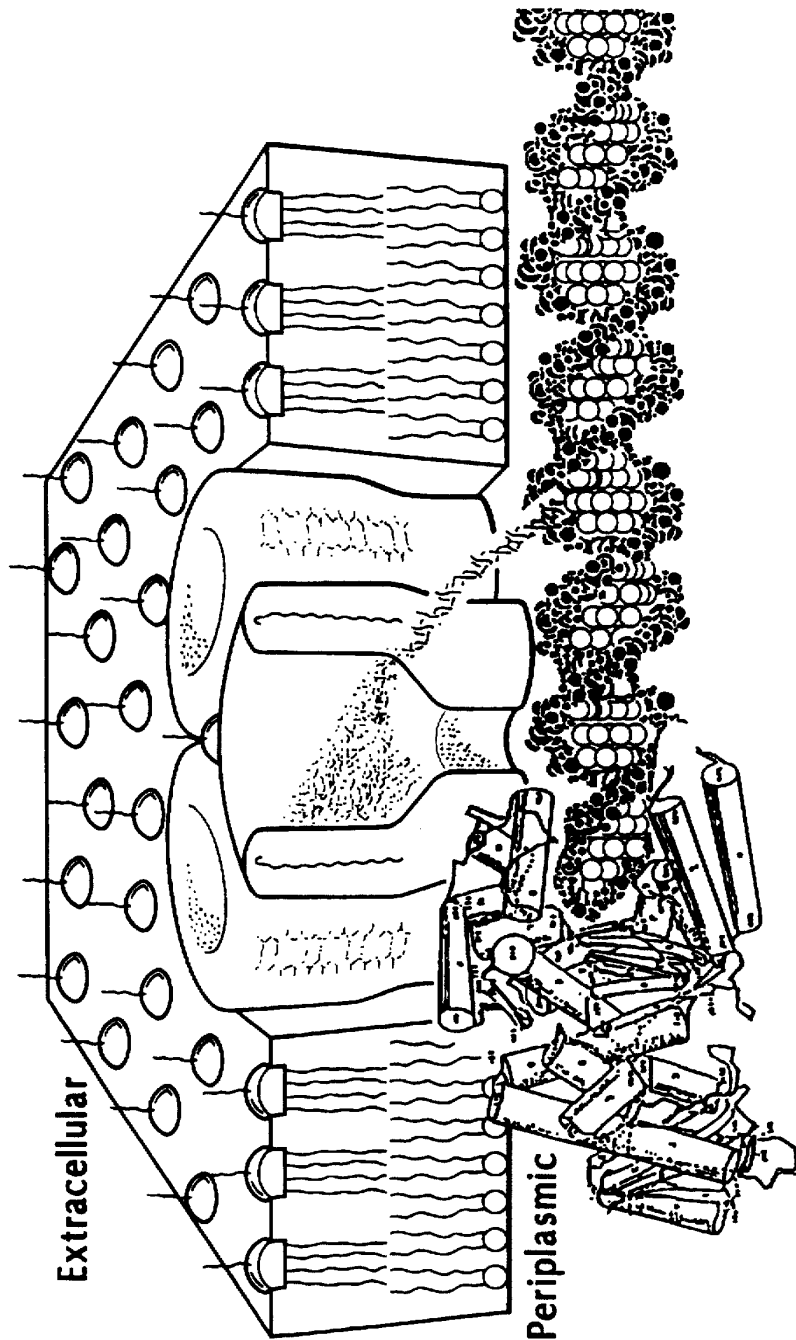


FIG. 2

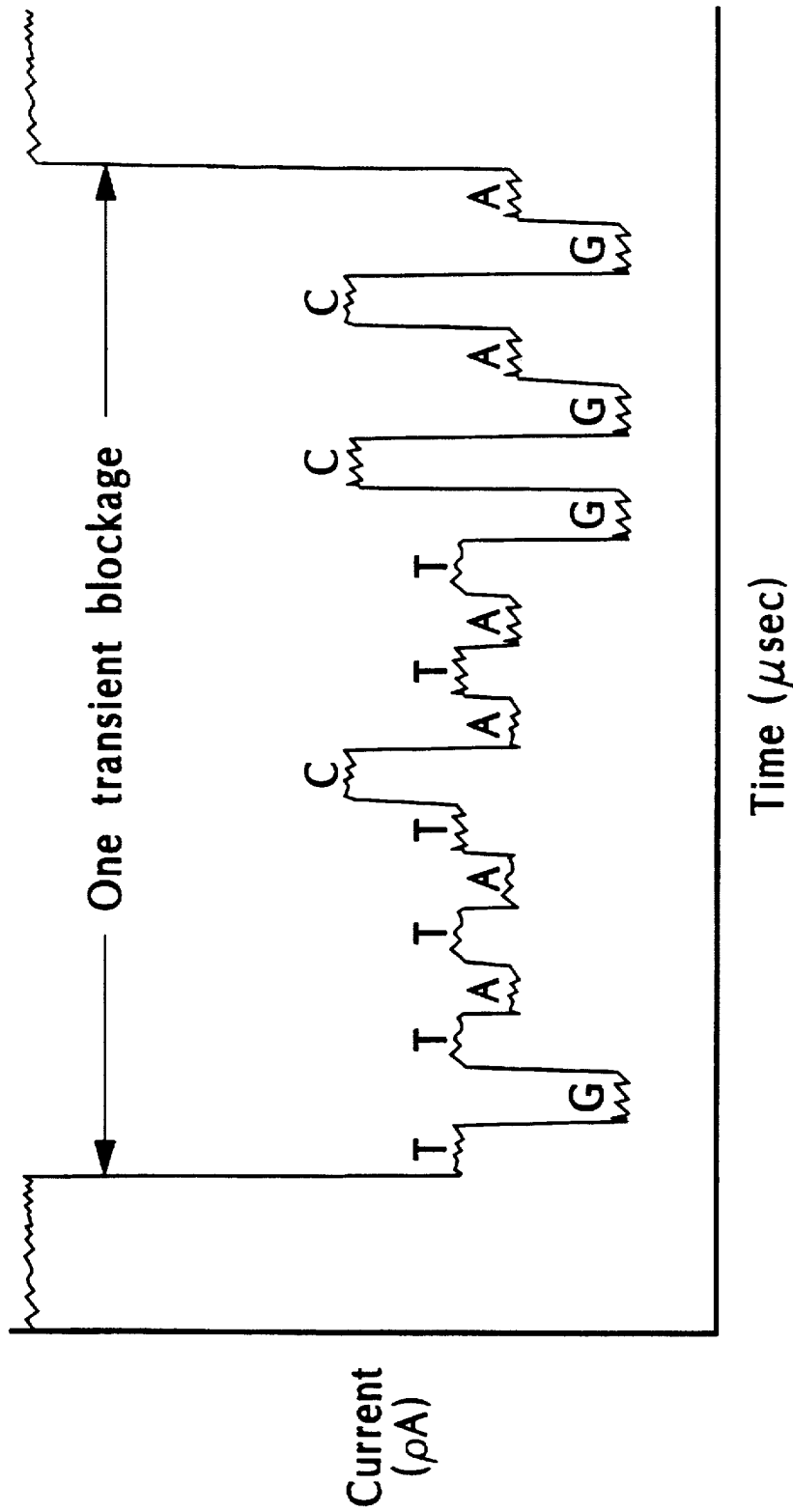


FIG. 3

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