

- [54] **NOVEL POLYELECTROLYTES**
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260/874

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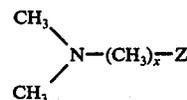
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[57] **ABSTRACT**

Cationic polyelectrolytes are formed by the polymerization in absence of oxygen of a monomer of the general formula:



where x is 3 or more than 6 and Z is I, Br or Cl to form high charge density linear polymers. Segments of the linear polymer may be attached to or formed in the presence of polyfunctional reactive tertiary amines or halogen polymeric substrates or polyfunctional lower molecular reactive polyfunctional substrates to form branched or star polyelectrolytes by a quaternization polymerization reaction.

8 Claims, No Drawings