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(54) Title: A FAMILY OF THERMOGELLING CATIONIC COPOLYMERS CONTAINING POLYETHYLENIMINE AND POLYPROPYLENE GLYCOL

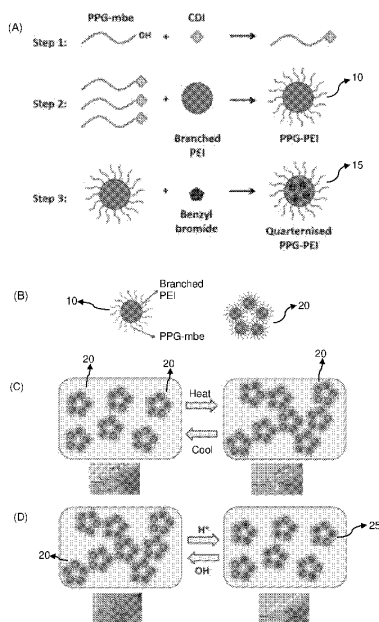


FIG. 1

(57) Abstract: Described herein are compositions containing branched polyethylenimine and polypropylene glycol covalently bonded to the branched polyethylenimine, where a molar ratio of the propylene glycol to the branched polyethylenimine is more than 3.35:1, and the polypropylene glycol is hydrophobic. The compositions may be used as a hydrogel and changes between a solution phase and a gel phase by changes in pH or temperature.

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