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(71) Applicant: **TRUSTEES OF TUFTS COLLEGE**
[US/US]; Ballou Hall, 4th Floor, Medford, MA 02155 (US).

(72) Inventors: **PANZER, Matthew**; 15 Sagamore Avenue,
Medford, MA 02155 (US). **TAYLOR, Morgan**; 83 Bow-
doin Street, Medford, MA 02155 (US). **ALEXIOU, Ayse**,
Asatekin; 71 Medford Street, Arlington, MA 02474 (US).

(74) Agent: **GORDON, Dana, M.** et al.; Foley Hoag LLP, 155
Seaport Boulevard, Boston, MA 02210-2600 (US).

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(54) Title: PLANT-INSPIRED ZWITTERIONIC MONOMERS, POLYMERS, AND USES THEREOF

(57) Abstract: Disclosed are polymers comprising a plurality of monomers, wherein at least some of the monomers are zwitterions that comprise a betaine having a pyridinium group and a carboxylate group. Also disclosed are filtration membranes, coating materials, wound dressings, electrolytes, batteries, and formulations comprising such polymers. Additionally disclosed are methods of preparing such polymers.

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