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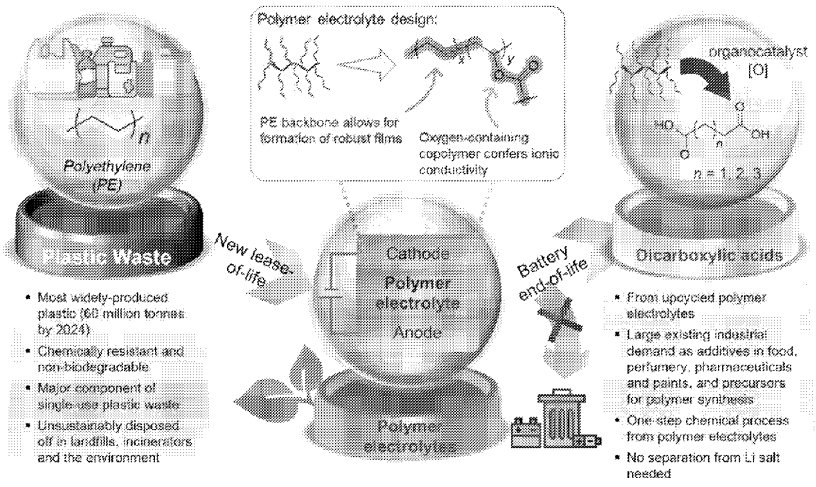
(54) Title: A POLYMER ELECTROLYTE, METHOD OF FORMING, AND METHOD OF UPCYCLING THE SAME

Figure 1



(57) Abstract: A polymer electrolyte, method of forming, and method of upcycling the same There is provided a polymer electrolyte comprising a graft copolymer and an alkali metal non-coordinating salt, wherein the graft copolymer comprises a polyolefin backbone and polyester grafts. There is also provided a method of preparing the polymer electrolyte, and a method of upcycling the polymer electrolyte.

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