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Kim et al.

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(54) **ORGANIC RADICAL POLYIMIDE
ELECTRODE ACTIVE MATERIAL, AND
ELECTROCHEMICAL DEVICE
COMPRISING SAME**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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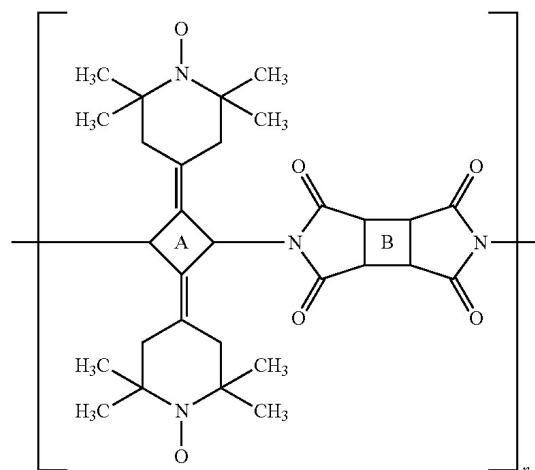
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(57) **ABSTRACT**

Disclosed herein is an organic radical polyimide, represented by Formula 1 below:

[Formula 1]



The organic radical polyimide can be applied to a cathode, an anode or the like, and can be widely applied to an organic solar cell, an organic transistor, organic memory or the like. Further, the organic radical polyimide can be used to manufacture a secondary battery having high energy density because it has high radical density. Further, the organic radical polyimide can be formed into an ultrathin film such as a polymer film and can be used to manufacture a flexible next-generation battery because it does not include metal components and causes a stable oxidation-reduction reaction.

15 Claims, 7 Drawing Sheets

