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(54) **TRANS BETA SUBSTITUTED CHLORINS AND METHODS OF MAKING AND USING THE SAME**

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(58) **Field of Search** ..... 136/263, 256, 136/252; 257/40, 431; 429/111, 213; 540/145, 460; 514/410

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(57) **ABSTRACT**

Trans beta substituted chlorins and methods of making the same are disclosed, along with polymers formed from or containing such trans beta substituted chlorins as one or more monomeric units therein, light harvesting rods formed from such polymers, and electrodes carrying such polymers.

**32 Claims, 19 Drawing Sheets**

