

Title (en)  
NOVEL THIOPHENE-BASED DYE AND PREPARATION THEREOF

Title (de)  
NEUER FARBSTOFF AUF THIOPHENBASIS UND HERSTELLUNG DAVON

Title (fr)  
NOUVEAU COLORANT À BASE DE THIOPHÈNE ET SA PRÉPARATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2009051390A2] The present invention relates to a thiophene-based dye and a preparation thereof, and more particularly, to dye compounds, which are used for a dye-sensitized solar cell (DSSC), and provides better molar extinction coefficient, JSc (short-circuit photocurrent density) and photoelectric conversion efficiency than a conventional dye to enhance efficiency of a solar cell.

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