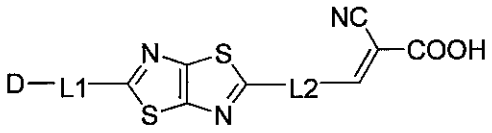
THIAZOLOTHIAZOLE-BASED ORGANIC DYE FOR DYE-SENSITIZED SOLAR CELL AND DYE-SENSITIZED SOLAR CELL INCLUDING THE SAME

ABSTRACT

The present invention relates to an organic dye for use in dye-sensitized solar cell, the organic dye represented by the structure of formula (I):



(I)

wherein D is a donor group;

L1 is a single bond or an electron transfer linking group having at least one heterocyclic ring selected from the group comprising a thiophene ring, a furan ring, a benzene ring, a pyrrole ring, and a condensed heterocyclic ring formed from any combinations of the said rings; and

L2 is an electron transfer linking group having at least one heterocyclic ring selected from the group comprising a thiophene ring, a furan ring, a benzene ring, a pyrrole ring, and a condensed heterocyclic ring formed from any combinations of the said rings.

(No suitable figure to accompany abstract)