

ABSTRACT OF THE DISCLOSURE

A light-emitting solar energy collection device and a manufacturing method therefor. The light-emitting solar energy collection device comprises: a transparent substrate; at least one solar cell, disposed on a portion of a region on one side of the transparent substrate; a photoluminescence layer, disposed on the side of the transparent substrate provided with the solar cell, and covering the solar cell, the photoluminescence layer being in contact with at least a portion of the solar cells in order to secure the solar cells on the transparent substrate. In the light-emitting solar energy collection device and the manufacturing method therefor according to the embodiments of the present invention, since the solar cells may be at least partially fixed by the photoluminescence layer itself, the use of a bonding layer for fixing may therefor be reduced or omitted, thereby being able to simplify processing, save materials, and reduce costs.

FIG. 2