162162

G00002

ABSTRACT

TREE-SHAPED SOLAR CELL MODULE

A tree-shaped solar cell module includes branch modules and a trunk module which are assembled with each other into the tree-shaped solar cell module. Each branch of the tree-shaped solar cell module has high strength to be prevented from being shaken with wind, and each branch does not have twigs or leaves and is thus prevented from being shaken by wind. Each branch may have an circular or polygonal shape such as a triangular shape or a quadrangular shape so that sunlight may evenly come to the tree-shaped solar cell module. Like branches of a tree which are directed upwardly, downwardly or horizontally, the branch modules may be assembled in such a manner that the branch modules have angles in a horizontal, upward or downward direction from the trunk module. The tree-shaped solar cell module may be installed in any sunny place even if it is a steep mountain with a large slope, a field of a flatland or a desert, and may be installed in a tree-planting manner without the need of reclamation and flattening of land. Grasses may grow all around the area where the tree-shaped solar cell module is installed to achieve a green area and the green area may be used as a ranch or a farm. If the tree-shaped solar cell module is installed in a desert area, it can be placed far away from the ground and less influenced by the radiant heat of the ground, thus preventing degradation of efficiency caused by high temperature. As the land of China is being rapidly desertified, the tree-shaped solar cell module of the present invention may be installed in the land of China to adjust the intensity of wind and thus limit sand transport and set up an environment that allows plants to grow, thus enabling solar generation that saves the earth.