

## METHOD FOR RECYCLING WASTE SOLAR PANEL

### ABSTRACT

According to the one embodiment of the present invention, a method of recycling a waste solar panel including a glass substrate, solar cells, an adhesive layer provided between the glass substrate and the solar cells to bond the glass substrate and the solar cells, and a metal frame configured to fix a laminated structure of the glass substrate, the adhesive layer, and the solar cells, the method comprising: a first crushing process of crushing the waste solar panels to a predetermined size or less; a frame removal process of sorting and removing the frame contained in a first crushed material crushed by the first crushing process; a second crushing process of crushing the first crushed material from which the frame has been removed by the frame removal process to a predetermined size or less; a roasting process of removing the adhesive layer between the glass substrate and the solar cells by inputting a second crushed material crushed by the second crushing process into a roasting furnace and heating the second crushed material; a classification process of separating the second crushed material that has undergone the roasting process into the glass substrate and the solar cells, and removing the glass substrate; and a dry furnace input process of inputting a final crushed material from which the glass substrate has been removed into a dry furnace of a smelting process.

Fig. 1