

SOLAR CELL MODULE RECYCLING SYSTEM AND SOLAR CELL MODULE
RECYCLING METHOD

ABSTRACT

Provided are a solar cell module recycling system and
5 a solar cell module recycling method capable of collecting
valuable materials and collecting a collection tool
efficiently by one processing to reuse the collection tool.

A solar cell module recycling system includes a
thermal decomposition furnace configured to thermally
10 decompose a used solar cell module mounted on a collection
tool; a module collection conveyor configured to collect the
thermally decomposed solar cell module thermally decomposed
in the thermal decomposition furnace together with the
collection tool; a glass collection conveyor configured to
15 collect plate glass included in the thermally decomposed
solar cell module transferred to the module collection
conveyor; a valuable material collection unit configured to
collect valuable materials other than the plate glass, the
valuable materials being included in the thermally decomposed
20 solar cell module; and a tool collection unit configured to
collect the collection tool remaining on the module
collection conveyor after the plate glass and the valuable
materials are collected.

Fig. 2