DECENTRALISED, MODULAR SOLAR MODULE RECYCLING SOLUTION

ABSTRACT OF THE DISCLOSURE

An assembly for recycling of PV waste within a container is disclosed. Within the container, there is provided the assembly for recycling solar panel, comprising (a) a deframer (20) for removing aluminium frames from each solar panel and junction boxes and copper wiring; (b) a portable I-V tester (30; (c) a shearing tool (41), air compressor and roller table (40) which is responsible for cutting up the deframed panels into smaller slices; (d) a first conveyor (50) and a second conveyor (70) used in transporting the sheared panel pieces from the shearing tool (41); (e) a crusher (60); (f) a sifter (80); and (g) a collection bag (90) to be used to collect recycled material from the sifter (80).

(FIG. 4b)