s 2021 0095

The invention relates to power engineering and solar technology, in particular to hybrid solar stations, and can be used for converting solar energy into thermal and electrical energy.
The station, according to the invention, comprises a sunlight reflector (1), inside which is installed the first pipe with water (2), wherein are placed containers with paraffin (3). The first pipe (2), at the outlet, is connected to the second pipe (4), in the section of which is mounted an energy conversion unit (5), surrounded by a heat-insulating layer (8), and which contains galvanic cells (7), placed in rows. The energy conversion unit (5), on opposite sides, is connected to the third pipe (9) and to the first water outlet pipe (11). The second pipe (4), at the outlet, is connected to an energy storage device (12), surrounded by a heat-insulating layer (13), to which are connected a water supply pipe (15), a second water outlet pipe (16) and a fourth pipe with water (17), which is connected to the inlet of the first pipe (2).

Claims: 1
Fig.: 2