

Fluid-flow apparatus as solar heat collector

ABSTRACT

- 5 A solar heat collector (1) comprising a first plate, a second plate, a plurality of ribs (17) disposed between the first and second plate arranged in parallel to each other with a narrow gap therein between. Peripheral walls are provided to close off the gap between the edges of said first and second plates to form a fluid-proof enclosure which has a fluid inlet and a fluid outlet.
- 10 Preferably, the components of the solar heat collector (1) are resistant to UV rays and are provided with heat-insulating material. Mounting means may be provided for mounting onto a building structure such as an outer wall, a roof, a window, door, building frame and the like. A single or plurality of the solar heat collector may be arranged to form a sunshade, including the preferred
- 15 embodiments of vertical blinds and Venetian blinds, which is adjustable by a user, for use as water-cooled sunshade for a building structure including any one of an outer wall, a roof, a window, door, building frame and the like.

Figure 3 accompanies the abstract.