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(54) **SOLAR PANEL ROOF**

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(57) **ABSTRACT**

A solar panel system comprising a plurality of joists, and a set of rectangular solar panels, each solar panel supported along opposing sides by two supporting joists. Each joist is formed with a plurality of wedge-shaped recesses, each recess having an end surface and a flat, sloping supporting surface meeting with a bottom edge of the end surface, the plurality of recesses together forming a saw-tooth contour. Each solar panel is received in the recesses of its supporting joists, resting on the supporting surfaces of the recesses with an upper edge of the solar panel meeting the end surfaces of the recesses, such that an upper solar panel has a lower edge which protrudes over an upper edge of a lower solar panel. With this design, the recesses provide guiding and fixation during the mounting, which saves time and ensures a reliable mounting process.