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(54) Title: PRISMATIC SOLAR CONCENTRATOR

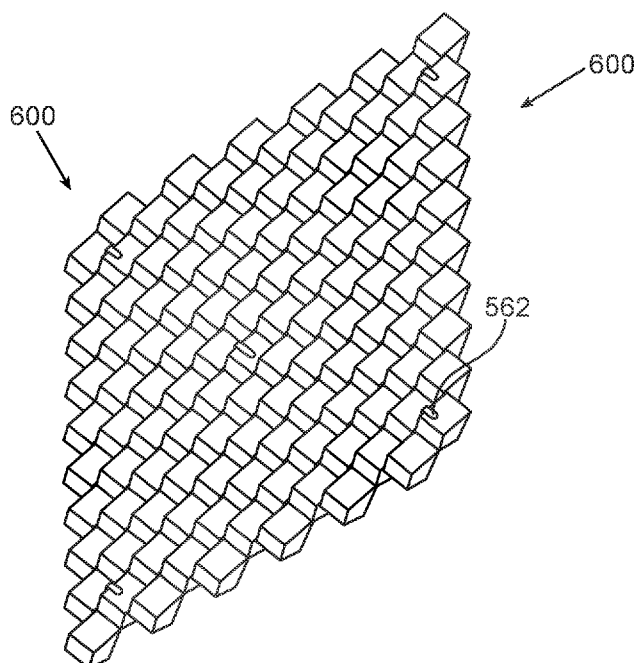


FIG. 6C

(57) Abstract: A prismatic solar concentrator is provided that comprises a plurality of prisms made of transparent material, each of the prisms has a front face, and at least three back faces, wherein each of the prisms is attached to the adjacent prisms such that their front faces are aligned, forming a plate-like solar array having a flat front surface and 3-dimensional structured back surface, and a plurality of solar cells producing electrical power in response to light, wherein the plurality of solar cells is attached to some of the back faces of the plurality of prisms.



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