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- (71) **Applicant: HIGHER DIMENSION MATERIALS, INC.**
[US/US]; 570 Hale Ave N, St. Paul, Minnesota 55128 (US).
- (72) **Inventor: KIM, Young-Hwa;** 353 Lindsay Road, Hudson, Wisconsin 54016 (US).
- (74) **Agent: WESTERN, Paul;** Fish & Richardson P.C., P.O. Box 1022, Minneapolis, Minnesota 55440-1022 (US).
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(54) **Title:** RECYCLABLE AND SELF-COOLING SOLAR PANELS

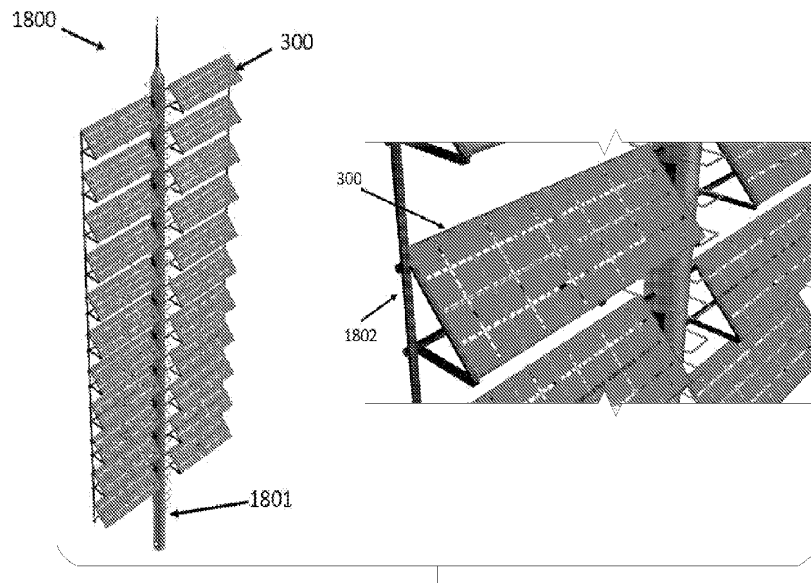


FIG. 18b

(57) **Abstract:** Some examples of the solar panels described herein mitigate wind resistance problems in comparison to conventional solar panels by introducing porosity to the panel that permits the free flow of air, rain, and sunlight through the panel. The flow of air dramatically reduces the wind resistance allowing the panel to be installed substantially above ground level, freeing the land under the panels to be used for other purposes. Additional benefits are that rain and sunlight can reach the ground under the panels to sustain plant and animal life without the permanent environmental damage associated with the implementation of traditional solar panels in solar energy farms. In addition, the solar panels described herein can be made of materials that have higher heat conductivity and are recyclable or reusable.

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