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(57) Abstract :

ABSTRACT OPACITY ADJUSTABLE SOLAR PANEL The present invention unveils opacity-adjustable solar panel which is a groundbreaking innovation poised to revolutionize the field of solar energy. This next-generation solar panel seamlessly integrates photovoltaic cells with electrochromic technology, enabling precise control over the panel's opacity. It comprises of photovoltaic cells 102, liquid crystals 104, voltage source 106, controller 108 and supporting structures 110. The system operates by embedding liquid crystals within the photovoltaic cells, allowing real-time adjustments in response to changing environmental conditions. REFERENCE FIG 1

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