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(54) **POWER CONVERTER FOR A SOLAR PANEL**

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H02J 1/00	(2006.01)
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(52) **U.S. Cl.**

CPC ***H02J 1/00*** (2013.01); ***H02J 3/383*** (2013.01); ***H02J 7/35*** (2013.01); *H02J 3/38* (2013.01); *H02M 2001/0077* (2013.01); *Y02E 10/566* (2013.01); *Y02E 10/58* (2013.01); *Y10T 307/25* (2015.04); *Y10T 307/50* (2015.04); *Y10T 307/511* (2015.04); *Y10T 307/707* (2015.04)

(58) **Field of Classification Search**

USPC 320/101, 116, 117, 119, 121, 140, 162; 307/11, 43, 45, 54, 58, 82; 136/243, 136/244, 252, 251

See application file for complete search history.

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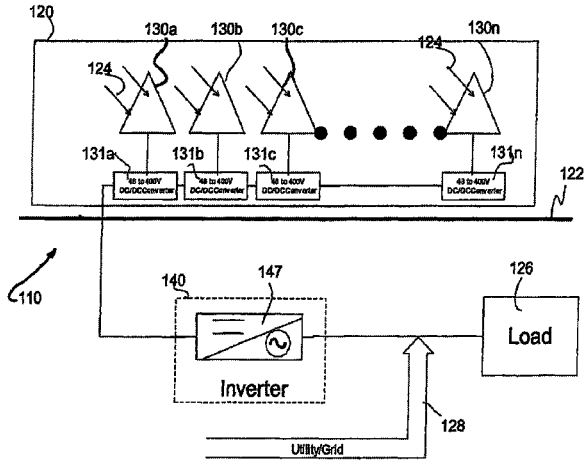
(57) **ABSTRACT**

A solar array power generation system includes a solar array electrically connected to a control system. The solar array has a plurality of solar modules, each module having at least one DC/DC converter for converting the raw panel output to an optimized high voltage, low current output. In a further embodiment, each DC/DC converter requires a signal to enable power output of the solar modules.

16 Claims, 3 Drawing Sheets