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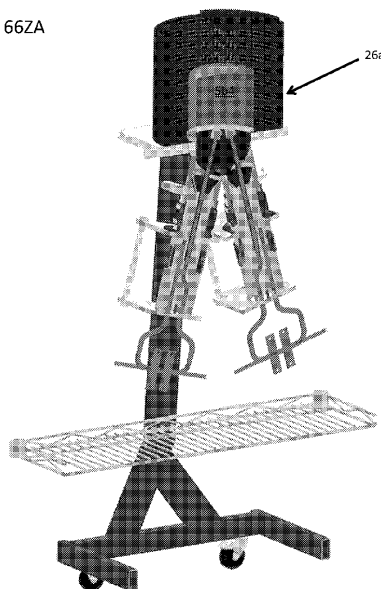


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(54) Title: INFRARED PLASMA LIGHT RECYCLING THERMOPHOTOVOLTAIC HYDROGEN ELECTRICAL POWER GENERATOR

Fig. 66ZA



(57) Abstract: A power generator is described that provides at least one of electrical and thermal power comprising (i) at least one reaction cell for reactions involving atomic hydrogen product's identifiable by unique analytical and spectroscopic signatures, (ii) a molten metal injection system comprising at least one pump such as an electromagnetic pump and (iii) an ignition system comprising an electrical power source that provides low-voltage, high-current electrical energy to the at least one stream of molten metal to ignite a plasma to initiate rapid kinetics of the reaction and an energy gain.

[Continued on next page]

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