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(54) **SOLAR SPECTRUM SIMULATION DEVICE**

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(57) **ABSTRACT**

The present invention is comprised of a novel solar radiation simulation device that simulates the sun by radiating the same spectrum of wavelengths, with the accompanying power levels, as the sun when the sun projects energy upon the Earth in accordance with the time of the day, year, and location. It will bring "the sun inside." The device can be controlled manually by an end-user or can include pre-programmed modes that control settings of the device or can be dynamically controlled through the input from solar light meters located around the world. This device improves human health but can also be used as a typical light source and can even function as an entertainment device.