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**Joseph**

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(54) **PLANT STAND WITH MULTIPLE LIGHTING DEVICES AND PLANT HOLDERS**

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3,018,898 A \* 1/1962 Frazelle ..... A47B 96/1425  
211/107  
4,250,666 A \* 2/1981 Rakestraw ..... A01G 7/045  
211/131.1  
4,349,864 A 9/1982 Smith  
4,513,531 A \* 4/1985 Lestrade ..... A01G 9/143  
47/17  
5,347,751 A 9/1994 Carpay  
5,454,187 A \* 10/1995 Wasserman ..... A01G 7/045  
47/39  
5,675,931 A \* 10/1997 Wasserman ..... A47G 7/041  
211/78  
5,987,812 A 11/1999 Knell  
(Continued)

#### FOREIGN PATENT DOCUMENTS

WO WO2009042979 7/2009

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See application file for complete search history.

(56) **References Cited**

#### U.S. PATENT DOCUMENTS

214,061 A \* 4/1879 Stearns ..... A47G 7/047  
211/77  
2,720,056 A \* 10/1955 Levy ..... A47G 7/044  
362/122  
3,015,024 A \* 12/1961 Charchan ..... A01G 9/12  
174/38

#### OTHER PUBLICATIONS

Grow Light Plant Stands, Plant Grow Lights, Grow Light Systems,  
[http://www.mrlight.com/catalog/Grow\\_Lights/Grow\\_Light\\_Plant\\_Stands.html](http://www.mrlight.com/catalog/Grow_Lights/Grow_Light_Plant_Stands.html).

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(57) **ABSTRACT**

A plant stand includes one or more light subsystems and one or more corresponding plant holder subsystems. Each light subsystem includes two lighting devices for providing light to plants contained in a corresponding plant holder of a plant holder subsystem. The lighting devices are adapted to be tilted for adjusting the illumination projected onto the plants. The subsystems are attached to a frame supported by a stand subsystem sitting on a flat surface. The frame incorporates a top end for hanging the plant stand. The frame further incorporates multiple apertures for attaching the subsystems at different heights.

**12 Claims, 6 Drawing Sheets**

