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Hertlein

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(54) **TELESCOPING PLANT SUPPORT WITH
SIZE-ADJUSTABLE SUPPORT BASE**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 13 days.

3,000,074	A *	9/1961	Butkiewicz	28/147
3,165,863	A *	1/1965	Duran	47/47
5,425,203	A *	6/1995	Scott	47/70
D363,652	S *	10/1995	Turner	D8/1
5,454,189	A *	10/1995	Graham et al.	47/41.12
5,501,038	A *	3/1996	Gregoranto	47/70
6,029,396	A *	2/2000	Gillingham	47/39
6,457,276	B1 *	10/2002	Masters	47/41.01
6,702,239	B2 *	3/2004	Boucher	248/156
7,377,073	B2 *	5/2008	Grunnah	47/47

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FOREIGN PATENT DOCUMENTS

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FR	2611427	A1 *	9/1988	A01G 9/12
GB	2191673	A *	12/1987	A01G 9/12

* cited by examiner

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Related U.S. Application Data

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(57) **ABSTRACT**

A plant support effective in pots with a base diameter of from about 4 to 24 inches, constructed of a telescoping pole; a central perimeter size-adjustable base effectively supporting the pole; at least a first detachable ring disc detachably attachable about the base, and at least a second ring disc detachably attachable about the first ring disc, providing for effective support for growing plants. The telescoping pole is length adjustable to at least eight feet to eliminate the need to replace a support as the plant grows. The plant support is constructed so as to be removed from a pot together as one with the plant it is supporting avoiding separating the plant from the plant support device as the base of the plant support device supports the root mass allowing much of the soil to remain around the root mass as the plant is lifted from its pot.

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See application file for complete search history.

1 Claim, 7 Drawing Sheets

