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Decker

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(54) **CANDLE HAVING A PLANAR WICK AND METHOD OF AND EQUIPMENT FOR MAKING SAME**

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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 0 days.

This patent is subject to a terminal disclaimer.

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(58) **Field of Classification Search**
USPC 431/325, 288, 289, 291, 320; 239/6, 34, 239/145, 600, 355, 44, 54, 52
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

52,231 A *	1/1866	Walton	431/325
59,839 A	11/1866	Hoard	
123,917 A	2/1872	Ladd	
133,973 A	12/1872	Everett	
170,158 A	11/1875	Cushing	
197,902 A	12/1877	Scott	

(Continued)

FOREIGN PATENT DOCUMENTS

EP	1245663	10/2002
FR	2639356	5/1990
FR	2811676	1/2002

OTHER PUBLICATIONS

Firewood for Your Fireplace: Warren Donnelly; 10/194, pp. 18, 25, 34, 35, 37, 84, 85, 88-95.

(Continued)

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(57) **ABSTRACT**

A candle or candle apparatus includes a body of a meltable fuel and a planar wick provided in the body. The planar wick includes a material selected from a wood, wood product, semi-wood composition, and wood-like material. The planar wick has a height dimension, a width dimension, and a thickness dimension, the height dimension is greater than the width dimension, the width dimension is greater than the thickness dimension, and the thickness dimension is from 0.019 to 0.23 inches.

65 Claims, 6 Drawing Sheets

