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(71) Applicant (for all designated States except US): **CERA-MATEC, INC.** [US/US]; 2425 South 900 West, Salt Lake City, Utah 84119 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **WOLD, Truman** [US/US]; 923 South Greenwood Terrace, Salt Lake City, Utah 84105 (US).

(74) Agent: **FONDA, David**; 2425 South 900 West, Salt Lake City, Utah 84119 (US).

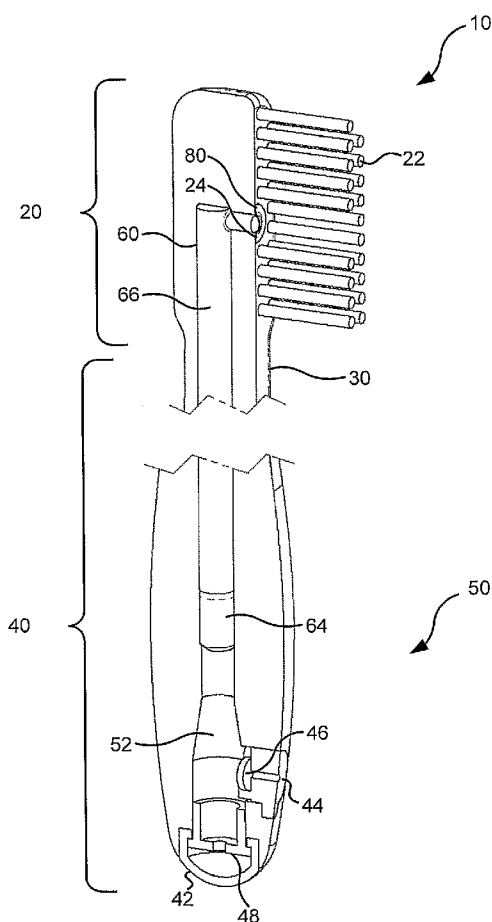
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[Continued on next page]

(54) Title: ACTIVE PUMP TOOTHBRUSH



(57) Abstract: Toothbrushes (10) are provided which incorporate in a handle portion (40) of the toothbrush (10) a volume of a beneficial agent that may be dispensed using an included manual pump mechanism (50). The volume of the beneficial agent provided in the brush and the dispense rate of the beneficial agent may be widely varied. The toothbrush (10) may be constructed to have a beneficial agent volume and dispense rate that are estimated to provide approximately three months of usage to correspond to the length of the effective life of toothbrush bristles (22), thus allowing the entire unit to be disposable upon dispensing of the last of the fluid.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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## INTERNATIONAL SEARCH REPORT

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PCT/US06/39674

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B43K 5/02 (2007.01)

USPC - 401/188R

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - B43M 11/06; B43K 5/02; A46B 11/04 (2007.01)

USPC - 401/186, 188R, 270

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,056,466 A (JOHNSON et al) 02 May 2000 (02.05.2000) entire document	1-7, 10-16, 19-20
-		
Y		8-9, 17-18
Y	US 5,393,153 A (BOUTHILLIER et al) 28 February 1995 (28.02.1995) entire document	8, 17
Y	US 6,902,337 B1 (KUO) 07 June 2005 (07.06.2005) entire document	9, 18

☐ Further documents are listed in the continuation of Box C.


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Authorized officer:

Blaine R. Copenheaver

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