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**Declarations under Rule 4.17:**

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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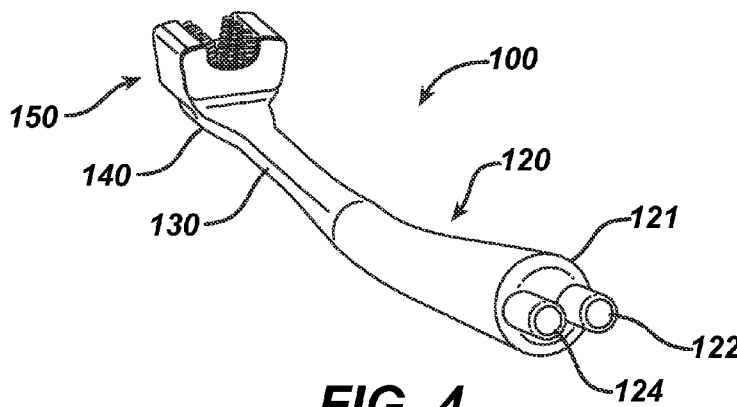
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(54) Title: ORAL CARE CLEANING AND TREATING DEVICE



**FIG. 4**

(57) Abstract: A device for directing a liquid onto a plurality of surfaces of the oral cavity, the device including a handle, a neck, and a head, where the head includes a cleaning component including a chamber for maintaining the liquid proximate the surfaces, where the chamber is defined by front and rear sealing membranes, inner side walls and a base inner wall, and where the inner side walls each include a plurality of openings, the device further including a first manifold and a second manifold, a first port and a second port for conveying liquid; and means for providing an effective seal of the device within the oral cavity.



**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US2012/067165

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - A61C 17/02 (2013.01)

USPC - 433/80

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) - A61C 1/00, 17/00, 17/02, 17/05, 17/06, 17/028 (2013.01)

USPC - 433/80, 88, 215, 216; 601/162, 164, 165

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

CPC - A61C 17/0202, 17/0217, 19/063 (2013.01)

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

PatBase, Google Patents, Google

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2011/0027746 A1 (MCDONOUGH et al) 03 February 2011 (03.02.2011) entire document	1-9
Y	US 2010/0242193 A1 (HARRISON et al) 30 September 2010 (30.09.2010) entire document	1-9
A	US 2005/0272002 A1 (CHENVAINU et al) 08 December 2005 (08.12.2005) entire document	1-9
A	US 2006/0078844 A1 (GOLDMAN et al) 13 April 2006 (13.04.2006) entire document	1-9

Further documents are listed in the continuation of Box C.

\* Special categories of cited documents:

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Date of the actual completion of the international search

23 January 2013

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