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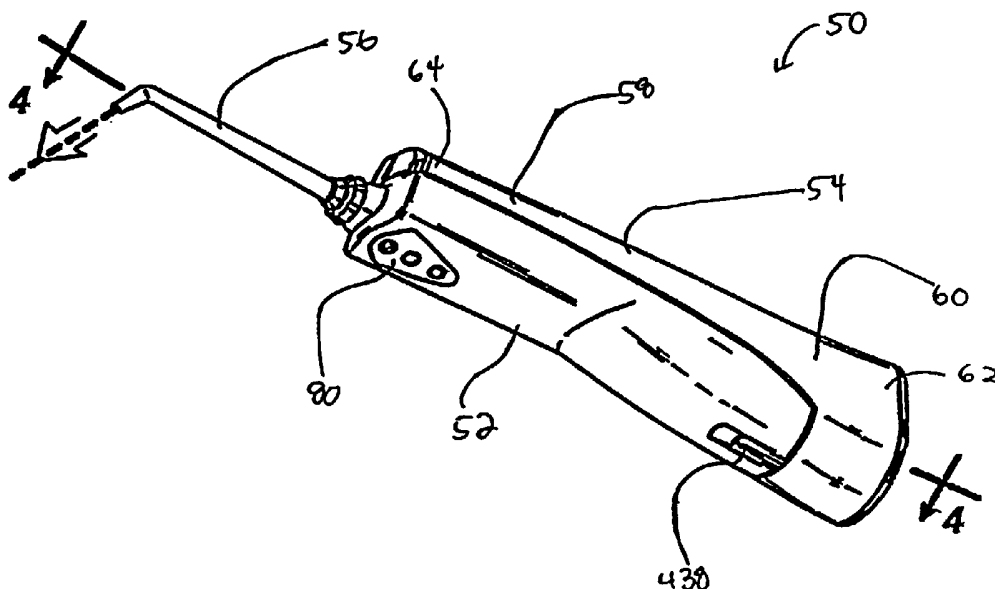
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- as to the identity of the inventor (Rule 4.17(i)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier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

[Continued on next page]

(54) Title: HAND HELD ORAL IRRIGATOR



(57) Abstract: A hand held oral irrigation device (50) having a tip (56) for dispensing fluids. In one example, an oral irrigation device (50) includes a body portion (52), and a reservoir (54) for storing fluids, wherein the body (52) and/or the reservoir (54) define a first major diameter (66) at a lower end of the oral irrigation device (50), and define a second major diameter (68) at an upper end of the oral irrigation device (50), the first major diameter (66) being larger than the second major diameter (68). In this example, by providing such a geometry for the device (50), a user can grasp the device with one hand about the second major diameter (68) during use. In another example, the body includes a pump (86) for pumping fluids from the reservoir (54) to the tip (56), wherein the pump (86) includes an inlet valve (230) and an outlet valve (232), the inlet valve (230) including a reed valve made of flexible fabric material. The outlet valve (232) may also include a reed valve made of flexible fabric material.



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- with international search report
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## A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 433/89, 601/162

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)  
U.S. : 433/80, 82,89; 601/162

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

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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,197,460 A (ITO et al) 30 March 1993 (30.03.1993), See entire document.	1
X	US 5,286,192 A (DIXON) 15 February 1994 (15.02.1994), See entire document.	1
X	US 6,030,215 A (ELLION et al) 29 February 2000 (29.02.2000), See entire document.	1

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

☐ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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