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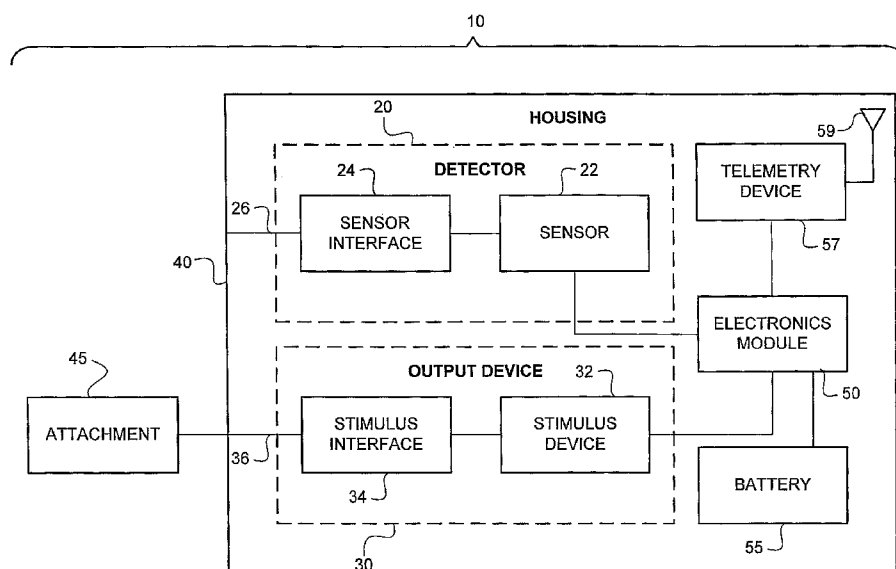
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(54) Title: INTRAORAL AVERSION DEVICE AND METHODS



(57) Abstract: An intraoral aversion device to assist a user in quitting an undesirable behavior such as tobacco smoking, tobacco chewing, use of snuff, illicit drug use, excessive alcohol consumption, excessive food consumption, and/or other undesirable activity facilitated via the mouth. The aversion device may be wholly or partially configured to be disposed in the user's mouth, for example. The aversion device may include a detector and an output device, wherein the detector is configured to detect a parameter indicative of the user engaging in the habit or undesirable activity. If (and only if) the detector detects such a parameter, the output device delivers a negative stimulus to the user, thus providing negative feedback and creating an incentive for the user to limit if not eliminate the undesirable activity.

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**Declarations under Rule 4.17:**

- *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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PCT/US05/18779

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: A24F 47/00( 2006.01)

USPC: 131/270

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)

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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)  
East Search; search terms: oral near cavity and smoke and detect\$4 and sensor and deter; aversion; intraoral; smoking

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                               | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------------------------------------|-----------------------|
| Y          | US 4246913 (Ogden et al) 27 January 1981 (27.01.1981), column 1, lines 59-68, column 2, line 12-14 and figure 1. | 1-20                  |
| ---        |                                                                                                                  | -----                 |
| Y          | US 6164278 (Nissani) 26 December 2000 (26.12.2006) column 7, line 12-27.                                         | 1-20                  |
| Y          | US 5284163 (Knudsen et al) 08 February 1994 (08.02.1994), column 4, line 15-18.                                  | 17 and 19             |



Further documents are listed in the continuation of Box C.



See patent family annex.

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