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[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR CONTROLLING POSITION

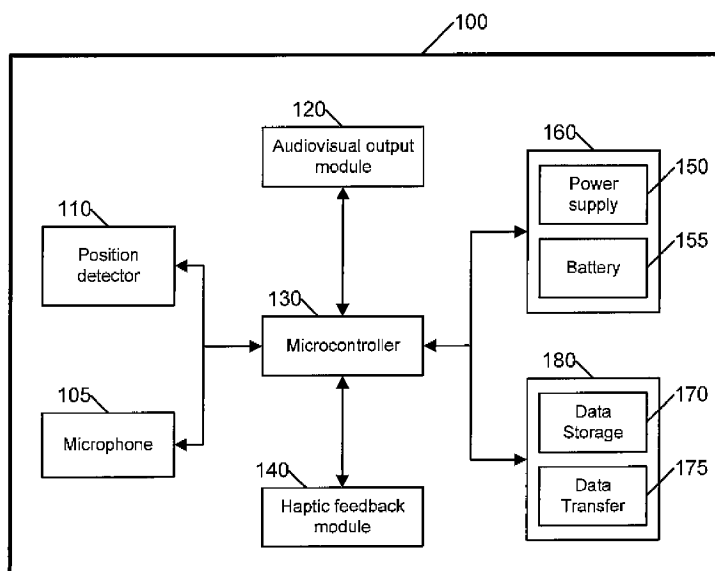


FIG. 1

(57) Abstract: Systems and methods for controlling the position of a user of a wearable positional therapy device are provided. The wearable position therapy device can be configured to monitor and store physiological signals that can be used to assess sleep quality and sleeping position of a user. The device can be configured to be worn around the head, the neck, or body of the user. The device can be configured to provide feedback to a user if the user is sleeping or is positioned in a target position to induce the user to change positions. The feedback can be provided by one or more haptic motors that can be configured to provide various levels of feedback and the level of feedback can be customized based on the user's reaction to the feedback.



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,  
LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK,  
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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)

A61F 5/56; A61B 5/04; A61B 5/08; A61B 5/113; A61B 5/11; A61B 5/08; A61B 5/00

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)

eKOMPASS(KIPO internal) &amp; Keywords: sleep apnea, snoring, tactile, haptic, position, pressure, sensor, feedback, audio, and alarm.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2008-0264426 A1 (JAMES WALKER) 30 October 2008 See abstract; paragraphs [13]-[19]; claims 1-9.	1,2,5-7,10-13 ,17-21,28-31,33-35 8,9,14,15,32 3,4,16,22-27
Y A	US 6811538 B2 (PHILIP R. WESTBROOK et al.) 02 November 2004 See abstract; c. 8, l. 53-c. 10, l. 37; Fig. 2.	8,9,14,15,32 1-7,10-13,16-31 ,33-35
A	US 5265624 A1 (BRUCE R. BOWMAN) 30 November 1993 See the whole document.	1-35
A	WO 2007-072390 A1 (KONINKLIJKE PHILIPS ELECTRONICS N.V.) 28 June 2007 See the whole document.	1-35
A	US 4802485 A1 (DAVID L. BOWERS et al.) 07 February 1989 See the whole document.	1-35

 Further documents are listed in the continuation of Box C. See patent family annex.

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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**PCT/US2010/037507**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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