[08] Thus, there is a need for a way to objectively evaluate a person on a sleep system so as to determine the most suitable sleep system for the person. There is also a need for a way to evaluate a person for a sleep system in a showroom setting so as to facilitate the person's purchase of a suitable sleep system and to recommend the most suitable sleep system for the person.

SUMMARY

[09] Methods and apparatuses consistent with various embodiments~~the present invention~~ relate to the evaluation of a person for a sleep system, the measurement and analysis of physical characteristics of a person on a sleep system, the determination of sleep system characteristics that are most suitable for the person, and the recommendation of a sleep system that is most suitable for the person. Methods and apparatuses consistent with various embodiments~~the present invention~~ also relate to measuring and analyzing the effect of a person on a mattress and a foundation and to providing a recommendation for a suitable sleep system using such an analysis.

[10] According to an aspect ~~of the present invention~~, a method for evaluating a person for a sleep system is provided, the method comprising: while the person is not positioned on an evaluating member, adjusting a pressure of a comfort layer inflatable member disposed within a comfort layer of the evaluating member to an initial comfort value; positioning the person on the evaluating member in a first position; while the person is positioned on the evaluating member in the first position, measuring a pressure of the comfort layer inflatable member as a first measured comfort value; calculating a difference between the first measured comfort value and the initial comfort value as $\Delta_{\text{COMFORT PRESSURE 1}}$; calculating a first optimal pressure level for the comfort layer inflatable member using $\Delta_{\text{COMFORT PRESSURE 1}}$; ~~and~~ recommending a sleep support member for the person using the calculated first optimal pressure level for the comfort layer inflatable member and using data measuring quality of sleep.; and adjusting the comfort layer inflatable member to the calculated first optimal pressure level for the comfort layer inflatable member.

[11] According to another aspect ~~of the present invention~~, a method for evaluating a person for a sleep system is provided, the method comprising: while the person is not positioned on an evaluating member: adjusting a pressure of a comfort layer inflatable member disposed within a comfort layer of the evaluating member to a initial comfort value; and adjusting a pressure of a support layer inflatable member disposed within a support layer of the evaluating member to an initial support value; positioning the person on the evaluating member in a first position; while the person is positioned on the evaluating member in the first position: measuring a pressure of the comfort layer inflatable member as a first measured comfort value; and measuring a pressure of the support layer inflatable member as a first measured support value; calculating a difference between the first measured comfort value and the initial comfort value as $\Delta_{\text{COMFORT PRESSURE 1}}$; calculating a difference between the first measured support value and the initial support value as $\Delta_{\text{SUPPORT PRESSURE 1}}$; calculating a first optimal pressure level for the comfort layer inflatable member using $\Delta_{\text{COMFORT PRESSURE 1}}$; calculating a first optimal pressure level for the support layer inflatable member using $\Delta_{\text{SUPPORT PRESSURE 1}}$; and recommending a sleep support member for the person using the calculated first optimal pressure level for the comfort layer inflatable member and using the calculated first optimal pressure level for the support layer inflatable member.

BRIEF DESCRIPTION OF THE DRAWINGS

[12] The above and other aspects of the present invention will become more apparent by describing in detail illustrative embodiments thereof with reference to the attached drawings in which:

[13] FIG. 1 illustrates a cross-sectional view of an apparatus for evaluating a person for a sleep system according to an illustrative embodiment of the present invention;