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(54) **Transmission mechanism**

(57) The invention relates to a transmission mechanism and push-button module of a personal electronic measuring device. The transmission mechanism comprises: a transmission element for transmitting a pushing force provided by the user to an internal switch of a personal electronic measuring device at the extreme switch position of the transmission element; and a domed spring structure for directing a return force opposite to the pushing force provided by the user to the transmission element, the domed spring structure comprising support areas and being operationally connected from one support area to the transmission element and from another support area to a structure supporting the domed spring structure and having a collapsing phase that occurs close to the extreme switch position and provides a sudden reduction in the return force which the user can sense and which thus verifies the change in the state of the internal switch.

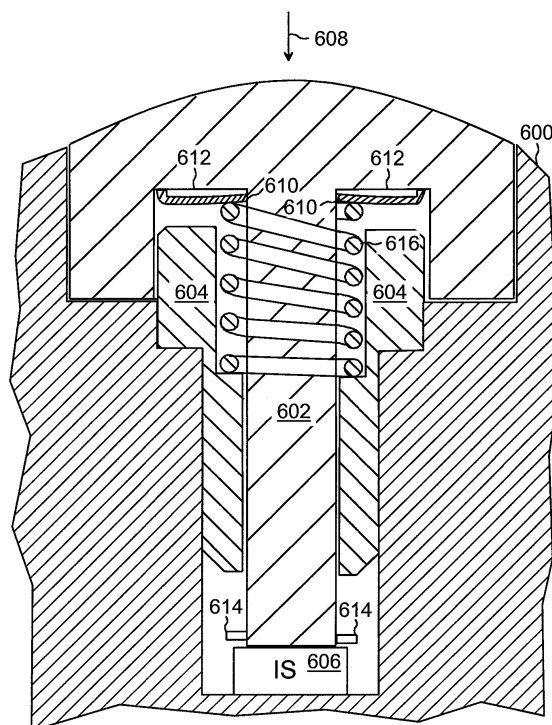


Fig. 7



EUROPEAN SEARCH REPORT

Application Number
EP 06 11 4662

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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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