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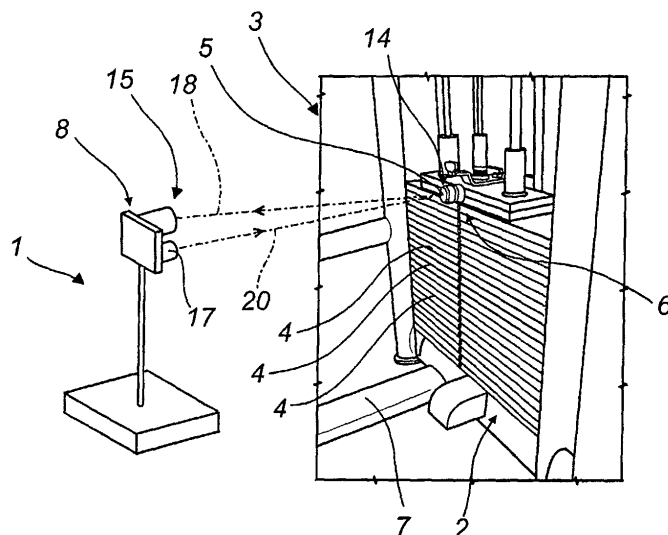
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(54) **A remote measuring device for an exercise machine with counterweights**

(57) A device (1) for measuring at least one current mechanical state parameter of a mobile counterweight (2) on an exercise machine (3) with counterweights, in which the counterweight (2) comprises a plurality of weights (4) placed one on top of another, whose number can be selected using a selection pin (5), which can be attached as required to one of the weights (4), so as to define a counterweight with a predetermined weight.

The device comprises means (14) for generating a signal (18) that indicates the instantaneous position of the pin (5) relative to a predetermined reference part (19) and means (15) for detecting the signal. The generation means (14) and the detector means (15) are directly opposite one another and separated by the distance which the signal (18) covers only once so that the length of the signal path is minimised.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		29 October 2003	Knoflachner, N
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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