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(54) **Clothes washing machine with oscillating assembly displacement transducer**

(57) The oscillating assembly (3) of the washing machine is arranged at a distance (L) from an ultrasonic receiver (8) mounted on the outer casing (1) of the machine in a position on a side of an emitter (7). The ultra-

sounds are reflected by the oscillating assembly (3) and are intercepted, ie. picked up by the receiver (8) with a phase angle whose variations are indicative of the displacements of the oscillating assembly (3).

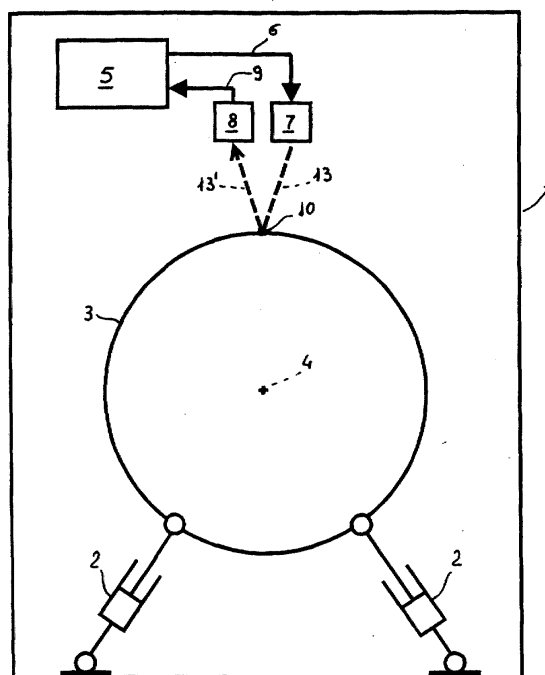


Fig. 1

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EUROPEAN SEARCH REPORT

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EP 01 10 2353

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Place of search THE HAGUE		Date of completion of the search 29 August 2002	Examiner Debard, M
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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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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29-08-2002

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