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(54) **Device for balancing the door of a dishwasher appliance**

(57) The balancing device (1) is connected to the door (2) of a dishwasher appliance provided with a casing (3), and comprises a single spring (5) for compensating the door weight "G", and two identical tensioning assemblages (7-11) secured symmetrically on the two side walls of the casing (3), having a respective cord (7) connected to each door side hinge (4). The spring (6) occupies the space below the door (2) not supported, and it is kept in a horizontal position extended in a direction parallel to the door swivel pin (5). Transmission of the spring force F_s in a given direction (14) transverse to the swivel pin (5), is achieved by a respective tensioning plate (8), which is formed by a piece (8a) secured to the casing (3) and a movable piece (8b) provided with a sliding surface (9) for tensioning the cord (7), which is guided and kept oriented towards the corresponding end of the spring (6) coaxially.

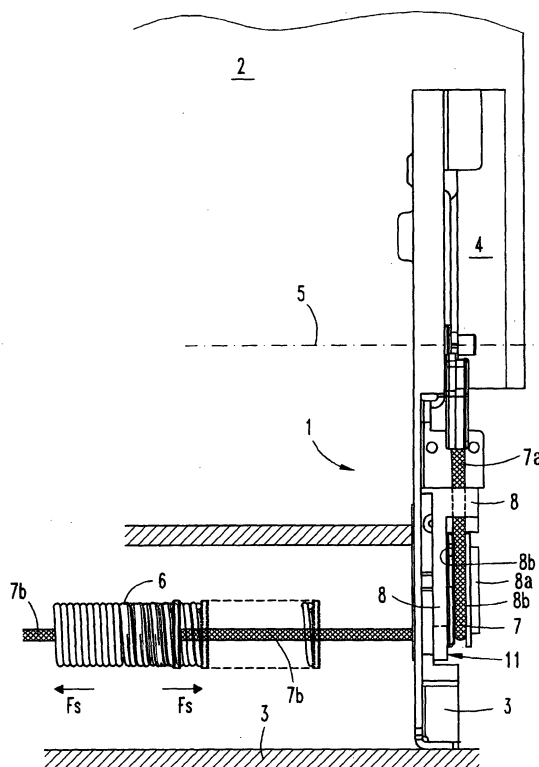


FIG. 2



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 38 0209

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.CI.7) A47L F24C E05F E05D
Place of search		Date of completion of the search	Examiner
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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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**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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