

Title (en)

Control device for oscillations of tub-drum assembly for household washing machines

Title (de)

Einrichtung zur Schwingungskontrolle der Laugenbehälter-Trommleinheit für Haushaltswaschmaschinen

Title (fr)

Dispositif pour le contrôle des oscillations d'un ensemble cuve-tambour pour des machines à laver domestiques

Publication

EP 1243686 A1 20020925 (EN)

Application

EP 02004731 A 20020301

Priority

IT PN20010021 A 20010305

Abstract (en)

Arrangement for controlling the oscillations of the suspended tub-drum assembly of clothes washing machines for both home and professional use, in which said clothes washing machines comprise lower vibration damping struts of said suspended tub-drum assembly (12, 13), which are comprised of a hollow casing (17) and a rod (18) arranged slidably within said hollow casing (17). The arrangement comprises control means (21) associated with mechanical braking means (40, 47) co-operating with said rod (18) and said hollow casing (17) in such a manner as to selectively determine a controlled braking of the sliding motion of the rod (18) based either on the detection of the oscillations of the suspended tub-drum assembly (12, 13) by a sensor (20) or the measurement of the weight of the washload and washing liquor in the machine through the detection of the vertical displacements of the tub (12) by said sensor (20). <IMAGE>

IPC 1-7

D06F 37/22; **D06F 39/00**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [XY] EP 0965675 A1 19991222 - R & D S SRL [IT]
- [Y] EP 0984092 A1 20000308 - MIELE & CIE [DE]
- [A] GB 1411147 A 19751022 - SIEMENS ELEKTROGERAETE GMBH
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 243 (C - 1058) 17 May 1993 (1993-05-17)

Cited by

CN102191656A; RU2469139C2; DE102008039569B4; NL1038808C2; US2018371673A1; US10626538B2; DE102007028739A1; DE102007028739B4; US2014026623A1; US10011936B2; US2011113567A1; US8776552B2; US2010154130A1; EP2202344A3; US8302433B2; DE102008039569A1; WO2012089498A2; WO2008006675A1; WO2012089498A3

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