

Title (en)  
Improvement in the unbalance-preventing means of a top-loading clothes washing machine

Title (de)  
Vorrichtungen zum Vermeiden von Unwucht in einer Wäschewaschmaschine in Topladerbauweise

Title (fr)  
Dispositifs pour prévenir le balourd d'une machine à laver le linge à chargement par le haut

Publication  
**EP 0736625 B1 19991110 (EN)**

Application  
**EP 96103921 A 19960313**

Priority  
IT PN950021 A 19950406

Abstract (en)  
[origin: EP0736625A1] Clothes washing machine, typically a top-loading one, provided with a washing tub, a cylindrical drum (2) adapted to hold the washload (1) which is loaded therein through a lid (3) closing an aperture provided in a portion of the surface of the drum, a plurality of rib-like elevators (4) arranged on the inner surface of said drum, the latter having no mass-balance weight for balancing the weight of the lid. The machine is provided with means adapted to identify the position of the loading lid, to allow the drum to go on rotating for a pre-determined period of time at an adequately low revolution speed so as to allow the washload to collect on the bottom of the drum and to allow said drum to start spinning when said means indicate that the loading lid has reached its upper position. A variant thereto consists in preceding spin-extraction with a phase in which the drum is allowed to rotate at a speed which, although generally low, is adequately high to enable the washload to distribute along the inner periphery of the drum, while starting the spin-extraction phase as soon as unbalance is detected to lie at a value which is lower than a pre-determined one.  
<IMAGE>

IPC 1-7  
**D06F 37/20**

IPC 8 full level  
**D06F 37/20** (2006.01)

CPC (source: EP US)  
**D06F 33/48** (2020.02 - EP US); **D06F 2103/26** (2020.02 - EP US)

Cited by  
EP2374924A3; CN112342736A; US8984693B2; US9267225B2; US9279206B2

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0736625 A1 19961009; EP 0736625 B1 19991110**; DE 69605073 D1 19991216; DE 69605073 T2 20000316; ES 2141409 T3 20000316; IT 1282416 B1 19980323; IT PN950021 A0 19950406; IT PN950021 A1 19961006

DOCDB simple family (application)  
**EP 96103921 A 19960313**; DE 69605073 T 19960313; ES 96103921 T 19960313; IT PN950021 A 19950406