

Title (en)

A TECHNIQUE FOR BALANCING DURING DRUM ROTATION IN A WASHING MACHINE

Title (de)

TECHNIK ZUM AUSGLEICHEN WÄHREND DER TROMMELROTATION IN EINER WASCHMASCHINE

Title (fr)

TECHNIQUE D'ÉQUILIBRAGE LORS DE LA ROTATION DU TAMBOUR DANS UNE MACHINE À LAVER

Publication

**EP 3401432 A1 20181114 (EN)**

Application

**EP 17170007 A 20170508**

Priority

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Abstract (en)

A technique for balancing in a drum-type washing machine (2) is presented. The technique uses an arrangement (1) having an inner drum (10) driven by a first drive motor (12), an outer drum (20) driven by a second drive motor (22), a detergent solution tub (30), and a controller (40). The drums (10, 20) are rotatably mounted co-axially within the tub (30), the outer drum (20) positioned concentrically in-between the inner drum (10) and the tub (30). The drive motors (12, 22) are positioned outside the tub (30). The controller (40) determines an imbalance of the inner drum (10) when rotating, and then determines a balancing parameter for the outer drum (20). The balancing parameter includes a rotational speed and direction for the outer drum (20) relative to the rotational speed and direction of the inner drum (10), such that the outer drum (20) when rotated at the balancing parameter counters the imbalance of the rotating inner drum (10).

IPC 8 full level

**D06F 37/20** (2006.01); **D06F 33/48** (2020.01); **D06F 37/30** (2020.01)

CPC (source: EP US)

**D06F 33/48** (2020.02 - EP US); **D06F 37/30** (2013.01 - EP US); **D06F 2103/26** (2020.02 - EP US); **D06F 2105/00** (2020.02 - EP US); **D06F 2105/46** (2020.02 - EP US); **D06F 2105/48** (2020.02 - EP US)

Citation (applicant)

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