

Title (en)

LAUNDRY TREATING DEVICE AND METHOD FOR ITS OPERATION

Title (de)

WÄSCHEBEHANDLUNGSVORRICHTUNG UND VERFAHREN ZU DEREN BETRIEB

Title (fr)

DISPOSITIF DE TRAITEMENT DE LINGE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

EP 3608466 B1 20240515 (EN)

Application

EP 18188263 A 20180809

Priority

EP 18188263 A 20180809

Abstract (en)

[origin: EP3608466A1] A laundry treating device such as a washing machine has a rotatable drum having a circumferential drum wall for placing the laundry in, a drive motor for the drum, a power control unit for supplying a drive current to the drive motor, current sensor means for supervising the drive current supplied to the drive motor, rotation position sensor means for supervising a rotation position of the drum and at least one protrusion on an inside of the circumferential drum wall. The protrusion is variable and flexible in its height over the inside of the circumferential drum wall and in its outer shape. Actuation means are provided for effecting a change of height and shape of the protrusion. Various curves for the current with varying shape of the protrusions may be recorded and compared with pre-stored reference curves for different types of laundry from various fibers.

IPC 8 full level

D06F 37/06 (2006.01); **D06F 39/04** (2006.01); **D06F 103/04** (2020.01); **D06F 103/46** (2020.01); **D06F 105/00** (2020.01); **D06F 105/10** (2020.01); **D06F 105/46** (2020.01); **D06F 105/52** (2020.01)

CPC (source: CN EP KR US)

D06F 33/32 (2020.02 - CN); **D06F 37/06** (2013.01 - EP KR US); **D06F 37/304** (2013.01 - CN); **D06F 37/36** (2013.01 - US); **D06F 58/08** (2013.01 - CN); **D06F 34/18** (2020.02 - EP KR US); **D06F 39/04** (2013.01 - CN EP KR US); **D06F 2103/04** (2020.02 - CN EP KR US); **D06F 2103/34** (2020.02 - US); **D06F 2103/44** (2020.02 - US); **D06F 2103/46** (2020.02 - CN EP KR US); **D06F 2105/00** (2020.02 - EP US); **D06F 2105/10** (2020.02 - CN EP KR US); **D06F 2105/28** (2020.02 - US); **D06F 2105/46** (2020.02 - CN EP KR US); **D06F 2105/52** (2020.02 - EP KR US)

Cited by

EP4414495A1; EP4382657A1; EP4350064A1; DE102021207441B3; EP4119713A1; DE102020213968B3; EP3995617A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 18188263 A 20180809; CN 201910734516 A 20190809; KR 20190094518 A 20190802; US 201916508681 A 20190711