

Title (en)

METHOD TO ESTIMATE A LOAD BEHAVIOR IN A LAUNDRY TREATMENT MACHINE

Title (de)

VERFAHREN ZUR SCHÄTZUNG EINES LASTVERHALTENS IN EINER WÄSCHEBEHANDLUNGSMASCHINE

Title (fr)

PROCÉDÉ D'ESTIMATION DE COMPORTEMENT D'UNE CHARGE DANS UNE MACHINE DE TRAITEMENT DE LINGE

Publication

EP 4036300 A1 20220803 (EN)

Application

EP 22164092 A 20200302

Priority

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- EP 20160332 A 20200302

Abstract (en)

A method to estimate a load behavior in a laundry treatment machine comprises the step of determining an inertia (J_{t} , J_{L}) and/or a load torque caused by a load depending on a first torque signal Tem^*1 , a second torque signal Tem^*2 , a derivative ω'^1 of a first angular speed signal and a derivative ω'^2 of a second angular speed signal. These signals are based on a first operation and a second operation of the laundry treatment machine, wherein a controller of the laundry treatment machine is operated with different controller parameters (P_1 , P_2). The method enables to estimate the load behavior in an easy, reliable and accurate manner.

IPC 8 full level

D06F 33/76 (2020.01); **D06F 34/16** (2020.01); **D06F 58/52** (2020.01); **D06F 103/24** (2020.01); **D06F 103/46** (2020.01); **D06F 105/48** (2020.01); **D06F 105/52** (2020.01); **D06F 105/62** (2020.01)

CPC (source: EP)

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Citation (applicant)

US 2005204482 A1 20050922 - MURRAY PETER [GB], et al

Citation (search report)

- [XI] EP 2607535 A2 20130626 - WHIRLPOOL CO [US]
- [X] US 2019112745 A1 20190418 - CHAI SHAN [NZ]
- [A] DE 102008055091 A1 20100624 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Designated contracting state (EPC)

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BA ME

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DOCDB simple family (application)

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