

Title (en)

WASHING MACHINE OR DRYER WITH MEANS FOR AUTOMATICALLY DETERMINING THE WEIGHT OF THE LAUNDRY

Publication

EP 0345120 B1 19930203 (FR)

Application

EP 89401403 A 19890523

Priority

- FR 8807216 A 19880531
- FR 8811908 A 19880913

Abstract (en)

[origin: EP0345120A1] Washing machine or drier with means for determining the moment of inertia of the laundry in relation to the axis of rotation of this drum. The drive motor of the drum, being of the universal type, is supplied with alternating current, and its speed (V) is determined by a phase-control command via a microprocessor which determines the moment of inertia from the value (θ) of the phase angle. The microprocessor commands the rotation of the drum at a first acceleration between two speeds V1 and V2 and sums the values θ_1 of the phase angle measured periodically, then commands a second acceleration ramp (θ_2) between the same speeds at a different acceleration and sums the phase angles θ_2 determined periodically. The microprocessor consequently calculates the difference between the two sums. <IMAGE>

IPC 1-7

D06F 39/00

IPC 8 full level

D06F 39/00 (2006.01)

CPC (source: EP US)

D06F 33/52 (2020.02 - EP US); **D06F 34/18** (2020.02 - EP US); **D06F 2103/04** (2020.02 - EP US); **D06F 2103/24** (2020.02 - EP US); **D06F 2103/46** (2020.02 - EP US); **D06F 2105/46** (2020.02 - EP US)

Cited by

US6038724A; US5208931A; US5271116A; EP1512785A1; US5325677A; EA021502B1; EP0649930A1; CN1079461C; US5507054A; CN1070953C; US2011023602A1; US8336378B2; US5519835A; US5710942A; EP2221412A1; US6122840A; US2014096327A1; US9809923B2; GB2327502A; GB2327502B; US5161393A; US9091012B2; US9945060B2; US9080277B2; WO9629457A1

Designated contracting state (EPC)

AT DE ES IT NL SE

DOCDB simple family (publication)

EP 0345120 A1 19891206; **EP 0345120 B1 19930203**; DE 68904699 D1 19930318; DE 68904699 T2 19930527; FR 2636354 A2 19900316; FR 2636354 B2 19910705

DOCDB simple family (application)

EP 89401403 A 19890523; DE 68904699 T 19890523; FR 8811908 A 19880913