Title (en)

Apparatus for unbalance detection of a household appliance rotary component

Title (de)

Vorrichtung zur Erfassung der Unwucht einer drehbaren Komponente eines Haushaltsgeräts

Title (fr)

Dispositif pour détection du balourd du composante rotatif d'un appareil ménager

Publication

EP 1734168 A3 20091007 (DE)

Application

EP 06008509 A 20060425

Priority

DE 102005028253 A 20050617

Abstract (en)

[origin: DE102005028253B3] A device to detect movement in a rotating component of a household appliance caused by imbalance comprises a housing (2), a movable mass (14), a spring (10) holding the mass externally in a rest position and a fluid damper. At least one of these is so arranged that, above a given movement frequency of the component due to imbalance, movements of the mass out from the external position are frequency-independent or frequency-dependent components of the mass movement lying in a predetermined region. Independent claims are also included for the following: (A) A household appliance having a drum and comprising the above;and (B) A detection method for the above device.

IPC 8 full level

D06F 37/20 (2006.01); **D06F 34/16** (2020.01)

CPC (source: EP KR US)

D06F 34/16 (2020.02 - EP US); **D06F 37/20** (2013.01 - KR); D06F 2103/26 (2020.02 - EP US)

Citation (search report)

- [A] GB 2073257 A 19811014 - KENWOOD MFG CO LTD
- [A] DE 19835865 A1 19990218 - ELBI INT SPA [IT]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 102005028253 B3 20061102; CN 100595544 C 20100324; CN 1880935 A 20061220; EP 1734168 A2 20061220; EP 1734168 A3 20091007; KR 100881775 B1 20090209; KR 20060132500 A 20061221; US 2007006619 A1 20070111; US 7926313 B2 20110419

DOCDB simple family (application)

DE 102005028253 A 20050617; CN 200610087198 A 20060615; EP 06008509 A 20060425; KR 20060054550 A 20060616; US 45369106 A 20060615