

Title (en)
LAUNDRY TREATMENT APPLIANCE

Title (de)
WÄSCHEBEHANDLUNGSVORRICHTUNG

Title (fr)
APPAREIL DE TRAITEMENT DU LINGE

Publication
EP 3249089 A1 20171129 (EN)

Application
EP 16170779 A 20160523

Priority
EP 16170779 A 20160523

Abstract (en)
A laundry treatment appliance (100) is provided. The laundry treatment appliance (100) comprises a cabinet (110) and a drum (107) rotatably accommodated within said cabinet for housing laundry to be treated. The laundry treatment appliance (100) further comprises a permanent split capacitor motor (160) selectively operable to rotate the drum clockwise and counterclockwise. The permanent split capacitor motor is configured to be supplied by a supply voltage provided across a first supply terminal (250) and a second supply terminal (255) of an AC power supply. The permanent split capacitor motor comprises a main terminal (235), a first control terminal (240), and a second control terminal (245). The main terminal is coupled with the first supply terminal. The laundry treatment appliance (100) further comprises a switching apparatus (262, 264, 266, 268) configured to selectively couple: - the first control terminal with the second supply terminal, while decoupling the second control terminal from the second supply terminal, for rotating the drum clockwise, or - the second control terminal with the second supply terminal, while decoupling the first control terminal from the second supply terminal, for rotating the drum counterclockwise. The laundry treatment appliance (100) further comprises a voltage sensing unit (270, 272) configured to sense the voltage at the first control terminal to produce a corresponding first sensed voltage and to sense the voltage at the second control terminal to produce a corresponding second sensed voltage. The laundry treatment appliance (100) further comprises a control unit (280) configured to assess an overload condition of the drum based on: a) the first sensed voltage when the second control terminal is coupled with the second supply terminal, and b) the second sensed voltage when the first control terminal is coupled with the second supply terminal.

IPC 8 full level
D06F 37/30 (2006.01)

CPC (source: EP US)
D06F 37/304 (2013.01 - EP US)

Citation (applicant)
US 6795284 B2 20040921 - BRUNO SERGE [FR]

Citation (search report)
• [A] US 5237256 A 19930817 - BASHARK LARRY T [US]
• [A] EP 2703539 A1 20140305 - ELECTROLUX HOME PROD CORP [BE]
• [AD] US 6795284 B2 20040921 - BRUNO SERGE [FR]

Cited by
US11387752B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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