

Title (en)
METHOD FOR SAFELY MANAGING ELECTRIC MOTOR ACTIVATION AND DEACTIVATION, AND CORRESPONDING APPLIANCE

Title (de)
VERFAHREN ZUR SICHEREN VERWALTUNG DER ELEKTROMOTORAKTIVIERUNG UND -DEAKTIVIERUNG UND ZUGEHÖRIGE VORRICHTUNG

Title (fr)
PROCÉDÉ PERMETTANT DE GÉRER EN TOUTE SÉCURITÉ L'ACTIVATION ET LA DÉSACTIVATION D'UN MOTEUR ÉLECTRIQUE ET APPAREIL CORRESPONDANT

Publication
EP 3095911 A1 20161123 (EN)

Application
EP 15168654 A 20150521

Priority
EP 15168654 A 20150521

Abstract (en)
A washing and/or drying appliance (100) is proposed. The appliance comprises: an electric load (205), a driving arrangement (210,215,C) for driving the electric load (205), the driving arrangement (210,215,C) having first (T 205,IN1) and second (T 205,IN2) terminals coupleable, respectively, to a line terminal (T L) and to a neutral terminal (T N) providing a reference voltage (V CC), an inrush current limiting device (R FUSE ;R NTC) and a switching device (RL;RL 1) between the reference terminal (T N) and the second terminal (T 205,IN2) of the driving arrangement (210,215,C), the switching device (RL;RL 1) being operable in first or second states preventing or allowing, respectively, an electric current to flow through the inrush current limiting device (R FUSE ,R NTC), and a sensing network (R PD) for sensing the first or second states of the switching device (RL;RL 1) and for providing a corresponding state signal (S STATE ;S* STATE), the sensing network (R PD) having a first terminal (T RPD,1), and a second terminal (T RPD,2) coupled to a reference terminal providing a further reference voltage (GND) lower than the reference voltage (V CC), wherein, during sensing: in the first state of the switching device (RL;RL 1) the reference terminal (T N) and the first terminal (T RPD,1) of the sensing network (R PD) being coupled to each other such that the first terminal (T RPD,1) of the sensing network (R PD) receives the reference voltage (V CC) and the state signal (S STATE ;S* STATE) takes a first level (S STATE,H) equal to the reference voltage (V CC), in the second state the state signal (S STATE , S* STATE) taking a second level (S STATE,L ;S STATE,L) lower than the first level (S STATE,H).

IPC 8 full level
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CPC (source: EP US)
D06F 37/42 (2013.01 - EP US); **D06F 25/00** (2013.01 - EP US); **D06F 33/74** (2020.02 - EP US); **D06F 34/08** (2020.02 - EP US); **D06F 58/08** (2013.01 - EP US); **D06F 58/50** (2020.02 - EP US); **D06F 2103/34** (2020.02 - EP US); **D06F 2103/44** (2020.02 - EP US); **D06F 2105/44** (2020.02 - EP US); **D06F 2105/46** (2020.02 - EP US); **D06F 2105/58** (2020.02 - EP US)

Citation (search report)
• [A] EP 2586898 A1 20130501 - ELECTROLUX HOME PROD CORP [BE]
• [A] WO 2012025395 A2 20120301 - BSH BOSCH SIEMENS HAUSGERÄTE [DE], et al
• [A] DE 102006060208 A1 20080626 - MIELE & CIE [DE]

Cited by
US2023102943A1; US10541607B2; US10811964B2; US11193227B2; US11578447B2; US11753760B2; US12018422B2

Designated contracting state (EPC)
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