

Title (en)
Circuit arrangement for an electric household appliance

Title (de)
Schaltungsanordnung für Haushaltsgeräte

Title (fr)
Circuit pour appareils ménagers

Publication
EP 1867775 B1 20110330 (EN)

Application
EP 06115406 A 20060613

Priority
EP 06115406 A 20060613

Abstract (en)
[origin: EP1867775A1] Circuit arrangement for an electric household appliance comprising an electric heating element (2) and one or more load impedances (3-5) connected in parallel with respect to electric power-supply terminals (L,M) adapted to be connected to a line voltage for supplying an alternating electric current to the heating element (2) and the load impedances (3-5), control means (6) for continuously monitoring the value of the current (9-11) flowing through the load impedances (3-5), solid-state switch means (12) connected in series with the heating element (2) and adapted to modulate the conduction cycle time of the heating element (2) for regulating the current (8) flowing through the heating element (2), said control means (6) being adapted to drive said solid-state switch means (12) such that the value of the overall current flowing into the circuit does not exceed a pre-determined limit value.

IPC 8 full level
D06F 39/04 (2006.01)

CPC (source: EP US)
D06F 39/04 (2013.01 - EP US)

Cited by
EP2075369A3; DE102019004677A1; US2011023910A1; ITTO20120057A1; EP2620090A1; EP3100664A1; CN111235818A; WO2015018649A1; EP3256634B1; EP2931109B1; EP2931109B2

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EP 1867775 A1 20071219; EP 1867775 B1 20110330; AT E503882 T1 20110415; DE 602006020994 D1 20110512; ES 2364278 T3 20110830; PL 1867775 T3 20110930

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