



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :

H05B 1/02, D06F 75/26

A2

(11) International Publication Number:

WO 96/34510

(43) International Publication Date:

31 October 1996 (31.10.96)

(21) International Application Number: PCT/IB96/00309

(22) International Filing Date: 10 April 1996 (10.04.96)

(30) Priority Data:

9500326.5

25 April 1995 (25.04.95)

SG

(71) Applicant: PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) Applicant (for SE only): PHILIPS NORDEN AB [SE/SE]; Kottbygatan 5, Kista, S-164 85 Stockholm (SE).

(72) Inventors: TSE, Hong, Wing, Conwin; Blk 225 Buhit, Batak Central, Singapore 2365 (SG). YAP, Kok, Kin; Apartment Blk 793, Yishun Ring Road, Singapore 2776 (SG). WILKENS, Bernardus, Fredericus, Rudolphus, Ignatius; 166 Engkong Garden, Singapore 2159 (SG).

(74) Agent: HESSELMANN, Gerardus, J., M.; Internationaal Octrooibureau B.V., P.O. Box 220, NL-5600 AE Eindhoven (NL).

(81) Designated States: BR, CN, JP, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: SAFETY DEVICE FOR AN ELECTRIC HEATING APPLIANCE

(57) Abstract

An automatic shut-off and indication device for an electric heating appliance which comprises: means (2) for sensing usage of the appliance and for providing a usage-signal (US) indicating a non-usage of the appliance; means (10) for off-switching a heater (12) of the appliance in response to a switching signal (SS) derived from the usage-signal (US); means (4) for sensing orientation of the appliance and for providing an orientation signal (OS) for indicating different orientations of the appliance; means (18) for activating an indicator (22) in response to the switching signal (SS), the indicator (22) signalling the off-switching of the heater (12); and means (8) for providing a time delay between off-switching the heater (12) and activating the indicator (22), which time delay is dependent on the orientation signal (OS). The shut-off of the heater (12) is signalled to the user by the indicator (22). A different time-delay between shut-off and indication depending on the orientation of the appliance provides the possibility to postpone the indication when the appliance is shut off in a regular rest position, for instance the heel rest position of an electric pressing iron.

