

Title (en)
THERMAL APPLIANCE WITH REDUCED ELECTRIC FIELD EMISSION

Title (de)
THERMISCHES GERÄT MIT REDUZIERTER ELEKTRISCHER FELDEMISSION

Title (fr)
APPAREIL THERMIQUE AVEC ÉMISSION DE CHAMP ÉLECTRIQUE RÉDUITE

Publication
EP 3624553 A1 20200318 (EN)

Application
EP 19020526 A 20190912

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Abstract (en)
The present invention relates to a thermal appliance, which comprises a blanket (10) and a heating element (20) distributed inside the blanket (10), and a supply control unit (11) which is electrically connectable on one side to this heating element (20) and on the other side to an electrical power outlet (13) via a power supply plug (12). The thermal appliance is characterized in that the supply control unit (11) further comprises at least a first switching device (21) capable of interrupting the supply of the thermal appliance to one pole and a second switching device (22) capable of interrupting the power supply of the thermal appliance on the opposite pole and which are able to allow the passage of the current or not. Furthermore, an electronic control device, or an assembly of electronic components working in a co-ordinated manner, contained within the power control unit is able to simultaneously activate/deactivate the first and second switching devices. In this way, the electric field that can occur in an electric blanket fed by the mains through a non-polarized power plug is reduced, regardless of how the plug is inserted into the power outlet and without any user action.

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Citation (applicant)
• EP 3226649 A1 20171004 - TENACTA GROUP SPA [IT]
• KR 20100009788 A 20100129 - PARK DUK BAE [KR]
• KR 20160089653 A 20160728 - LEE HYUN JEONG [KR]

Citation (search report)
• [X] EP 3226649 A1 20171004 - TENACTA GROUP SPA [IT]
• [A] EP 2676578 A1 20131225 - TENACTA GROUP SPA [IT]

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