

Title (en)

Hand-held hot air device with digital control device with universal control element

Title (de)

Heißlufthandgerät mit einer digitalen Bedieneinrichtung mit Universal-Bedienelement

Title (fr)

Appareil manuel à air chaud équipé d'un dispositif de commande numérique avec élément de commande universel

Publication

EP 2604947 B1 20170301 (DE)

Application

EP 12401206 A 20121017

Priority

DE 202011052043 U 20111121

Abstract (en)

[origin: US2013129328A1] The hand-held hot air device, preferably for the local heating of thermoplastic materials, with a housing that forms a wand-shaped handle part with air inlet openings, and with an air guidance tube that protrudes from the handle part and radially delimits an air canal, with an electric heating element contained in the air guidance tube and an electric motor with a fan wheel contained in the handle part, and with an electronic control system arranged inside the handle part with one semiconductor power switch each arranged upstream of both the heating element and the electric motor, and with a display screen and an operating device for the hand-held hot air device arranged on the outside of the handle part. The electronic control system is implemented as microprocessor control system, the display screen as an electronic digital display, and the operating device as a digital operating device, with the digital operating device comprising a single universal operating element that is movable in at least two directions relative to the handle part for the purpose of switching the hand-held hot air device on and/or off and for determining control data of the microprocessor control system.

IPC 8 full level

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CPC (source: EP US)

F24H 3/002 (2013.01 - US); **F24H 3/0423** (2013.01 - EP US); **F24H 9/2071** (2013.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F24H 15/395** (2022.01 - EP US); **F24H 15/414** (2022.01 - EP US)

Cited by

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DOCDB simple family (publication)

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DE 202011052043 U 20111121; CN 201210474510 A 20121121; EP 12401206 A 20121017; US 201213671192 A 20121107