

Title (en)
Handheld hot air device

Title (de)
Heißluftgerät

Title (fr)
Appareil manuel à air chaud

Publication
EP 2677247 A3 20180321 (DE)

Application
EP 13164685 A 20130422

Priority
• DE 202012102224 U 20120618
• DE 202012102736 U 20120720

Abstract (en)
[origin: EP2677247A2] The device has an optical signaling unit (16) for signaling a heating state of an air outlet piece. The signaling unit is formed for signaling time independent of actual temperature of the air outlet piece after switching off a metallic switching on- and off heating unit (10), where the signaling time is predetermined by a timing unit. The timing unit comprises electrical energy storage units (14). The energy storage units are attached to the signaling unit such that the energy storage units are discharged in an off state of the heating unit by operating the signaling unit. The energy storage units are designed as capacitors (15), accumulators and/or batteries.

IPC 8 full level
F24H 3/04 (2006.01); **B23K 1/012** (2006.01); **B29C 65/10** (2006.01); **B44D 3/16** (2006.01); **F24H 9/20** (2006.01); **G05D 23/00** (2006.01)

CPC (source: EP)
F24H 3/0423 (2013.01)

Citation (search report)
• [AD] DE 202009000373 U1 20090326 - STEINEL GMBH [DE]
• [AD] DE 8904733 U1 19890713
• [A] CN 201569148 U 20100901 - CIXI HONGGUAN POWER TOOL CO LTD
• [A] CN 200952821 Y 20070926 - TIANGONG PLASTIC & RUBBER HARD [CN]

Cited by
CN103727982A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 202012102736 U1 20130919; EP 2677247 A2 20131225; EP 2677247 A3 20180321; EP 2677247 B1 20190220

DOCDB simple family (application)
DE 202012102736 U 20120720; EP 13164685 A 20130422