

Title (en)  
Hairdressing appliance with automatic control

Title (de)  
Haarpflegegerät mit Automatiksteuerung

Title (fr)  
Appareil de coiffure à commande automatique

Publication  
**EP 2449911 B1 20170322 (FR)**

Application  
**EP 11306429 A 20111104**

Priority  
FR 1059119 A 20101105

Abstract (en)  
[origin: EP2449911A1] The device has jaws (2, 3) carrying treatment surfaces (4, 5) and connected to move from an open position to a closed position. A control unit/CPU (13) controls one of components e.g. fluid flow adjusting unit (6) such as peristaltic pump, fluid vaporization unit, thermistor, ion emission unit and valve. A magnetic detection unit formed of magnetic switch (14) and magnet (18) detects passage to the open position and/or closed position. The control unit/CPU is programmed to receive a passage representing signal from the detection unit and control the component in response to the signal.

IPC 8 full level  
**A45D 1/04** (2006.01); **A45D 2/00** (2006.01)

CPC (source: CN EP)  
**A45D 1/04** (2013.01 - CN EP); **A45D 2/001** (2013.01 - CN EP); **A45D 2001/008** (2013.01 - CN EP); **A45D 2200/202** (2013.01 - CN EP)

Citation (examination)  
WO 2010016072 A1 20100211 - TENACTA GROUP SPA [IT], et al

Cited by  
CN105764376A; FR3139444A1; CN105688336A; GB2608156A; GB2608156B; GB2613605A; GB2613605B; EP2756776A1; FR3001112A1; GB2624440A; WO2015043094A1; WO2024056963A1; WO2023105185A1; US9149102B2; FR3127106A1; WO2023041390A1

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

DOCDB simple family (publication)  
**EP 2449911 A1 20120509; EP 2449911 B1 20170322**; CN 102462124 A 20120523; CN 102462124 B 20151021; CN 105433572 A 20160330; EP 3025610 A1 20160601; EP 3025610 B1 20181212; EP 3025610 B2 20220601; ES 2628888 T3 20170804; ES 2708567 T3 20190410; ES 2708567 T5 20221019; FR 2967019 A1 20120511; FR 2967019 B1 20140523; PL 2449911 T3 20170929; TR 201900590 T4 20190221

DOCDB simple family (application)  
**EP 11306429 A 20111104**; CN 201110332946 A 20111028; CN 201510784291 A 20111028; EP 16151069 A 20111104; ES 11306429 T 20111104; ES 16151069 T 20111104; FR 1059119 A 20101105; PL 11306429 T 20111104; TR 201900590 T 20111104