

Title (en)  
HAIR STYLING IRON

Title (de)  
HAARGLÄTTEISEN

Title (fr)  
FER À COIFFER

Publication  
**EP 3051974 A4 20170719 (EN)**

Application  
**EP 13894780 A 20131219**

Priority  
• HK 13111187 A 20130930  
• CN 2013089988 W 20131219

Abstract (en)  
[origin: WO2015043094A1] A hair styling appliance is provided, which has a temperature regulation controller to mitigate heat damage to the hair. The appliance includes a pair of heated jaws (10, 11) that can be closed to grip the hair. A power control circuit (20) responds to an activation sensor (22) that senses when the jaws (10, 11) closed, and a temperature sensor (21) that senses the temperature of a heating element (13, 14) on the jaws (10, 11). The power control circuit (20), in response to the first activation output, starts monitoring the rate of change of the heating element (13, 14) temperature, and in response to a rate of decrease above a predetermined level, operates the heating element (13, 14) at a power level lower than a steady state power level.

IPC 8 full level  
**A45D 1/28** (2006.01); **A45D 1/04** (2006.01); **A45D 2/00** (2006.01)

CPC (source: EP US)  
**A45D 1/04** (2013.01 - EP US); **A45D 1/28** (2013.01 - EP US); **A45D 2/001** (2013.01 - EP US)

Citation (search report)  
• [A] WO 2010016072 A1 20100211 - TENACTA GROUP SPA [IT], et al  
• [A] EP 2524617 A2 20121121 - ROVCAL INC [US]  
• [A] GB 2477834 A 20110817 - JEMELLA LTD [GB]  
• See references of WO 2015043094A1

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)  
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**CN 2013089988 W 20131219**; CN 201380081147 A 20131219; EP 13894780 A 20131219; US 201315025929 A 20131219