

Title (en)  
CURLING TOOL WITH ADJUSTABLE TWISTING FORCE

Title (de)  
KRÄUSELWERKZEUG MIT VERSTELLBARER VERDRILLKRAFT

Title (fr)  
DISPOSITIF A BOUCLER LES CHEVEUX COMPORTANT UN REGLAGE DE LA FORCE DE TORSION

Publication  
**EP 3100632 A4 20170524 (EN)**

Application  
**EP 14879644 A 20140127**

Priority  
CN 2014071534 W 20140127

Abstract (en)  
[origin: EP3100632A1] A curling tool with adjustable twisting force includes a working portion for connected with a hair roller, a driving device for driving the working portion to rotate, a circuit board for controlling the driving device, a control portion connected with the circuit board to make the driving device drive the working portion to rotate via the circuit board, a torque detecting device connected to the working portion to detect the torque of the working portion and to send it to the circuit board, a torque display device connected with the torque detecting device for displaying the value of torque, a torque setting portion connected with the circuit board for setting a predetermined torque. When the detected torque reaches the predetermined value, the circuit board makes the driving device drive the working portion to stop rotating so as to prevent hair from over-rotated.

IPC 8 full level  
**A45D 2/00** (2006.01); **A45D 1/00** (2006.01); **A45D 2/12** (2006.01); **A45D 2/24** (2006.01); **A45D 6/00** (2006.01)

CPC (source: EP KR US)  
**A45D 1/00** (2013.01 - EP KR US); **A45D 2/00** (2013.01 - EP KR US); **A45D 2/10** (2013.01 - KR); **A45D 2/12** (2013.01 - EP US); **A45D 2/122** (2013.01 - US); **A45D 2/24** (2013.01 - EP US); **A45D 2/2464** (2013.01 - EP US); **A45D 6/00** (2013.01 - EP KR US); **A45D 6/045** (2013.01 - US); **A45D 6/145** (2013.01 - US); **A45D 2001/002** (2013.01 - KR); **A45D 2002/006** (2013.01 - EP KR US); **A45D 2006/005** (2013.01 - KR US)

Citation (search report)

- [Y] EP 2392222 A1 20111207 - SEB SA [FR]
- [Y] CN 201929247 U 20110817 - JINGYUN CHEN
- [Y] EP 2524618 A1 20121121 - BABYLISS FACO SA [BE]
- See references of WO 2015109588A1

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 3100632 A1 20161207**; **EP 3100632 A4 20170524**; CN 105873466 A 20160817; CN 105873466 B 20190129; JP 2017504452 A 20170209; JP 6263646 B2 20180117; KR 101827661 B1 20180208; KR 20160098415 A 20160818; PH 12016501436 A1 20160822; US 2016331098 A1 20161117; WO 2015109588 A1 20150730

DOCDB simple family (application)  
**EP 14879644 A 20140127**; CN 2014071534 W 20140127; CN 201480072089 A 20140127; JP 2016564361 A 20140127; KR 20167018917 A 20140127; PH 12016501436 A 20160720; US 201415111360 A 20140127