

Title (en)
ELECTRIC HAIR-STYLING APPARATUS

Title (de)
ELEKTRISCHES HAARPFLEGEGERÄT

Title (fr)
APPAREIL DE COIFFURE ELECTRIQUE

Publication
EP 3100633 B1 20180307 (FR)

Application
EP 16172027 A 20160530

Priority
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Abstract (en)

[origin: CN106235579A] An apparatus (1) for fastening a lock of hair comprising: a gripping means (2), a housing (10) attached to the gripping means and having an inner wall (13), said housing (10) comprising: a mandrel (12) substantially surrounded by the inner wall (13), an insertion opening (15) of the wick, said insertion opening (15) being formed through the inner wall (13) and an extraction opening (16) of the loop, said extraction opening (16) being formed through the inner wall (13) at the free end of the mandrel (12), a retractor (17, 17') to rotate around the mandrel (12) for winding the hair strand around the mandrel (12). According to the invention, said retractor (17, 17') comprises a hollow body (21, 21') having a surface of a body of revolution, - surrounding the mandrel (12) at least partially in its length to form therewith an inner winding chamber (40) to the hollow body (21, 21') from which the looped wick can exit the device (1) through said extraction opening (16), - forming with the inner wall (13) an outer winding chamber (50) to the hollow body (21, 21') into which is introduced the lock of hair through the insertion opening (15).

IPC 8 full level

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Citation (opposition)

- Opponent : Jochen Ehlers, Eisenführ Speiser, ,
- CN 104544881 A 20150429 - SUN LUEN ELECTRICAL MFG CO LTD
 - WO 2015064860 A1 20150507 - PARK CHANG-SU [KR]
 - US 2015114425 A1 20150430 - PARK CHANG SU [KR]
 - CN 204132655 U 20150204 - SUN LUEN ELECTRICAL MFG CO LTD
 - US 4177824 A 19791211 - GNAGA VITTORIO [IT]
 - DE 202014010130 U1 20150127 - ACTERVIS GMBH [CH]
 - US 9345302 B2 20160524 - CHUNG CHIEN-LAN [TW]
 - US 7971593 B2 20110705 - BARTELS HOLGER [DE]

Cited by

CN108175167A; EP3569093A4; USD913590S

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