

Title (en)
Clip for permanent waves

Title (de)
Dauerwellclip

Title (fr)
Boucleur pour ondulations permanentes

Publication
EP 0861614 A3 19990908 (DE)

Application
EP 97122349 A 19971218

Priority
DE 19708100 A 19970228

Abstract (en)
[origin: EP0861614A2] The plastic clip has three parallel connected rollers, and the outer roller for the hair tips is turnable and replaceable. The roller (9) nearest to the hair's roots has a smaller diameter than the hair tip roller (6). This roller can be clipped into a roller holder (7). The holder consists of a clamp (8) engaging around the roller in a semi-shell shape. The end faces (11) of the hair tip roller each have a projecting peg (12), and an elastic element (13) is tensioned between the pegs. The central roller (3) is hinged out of its parallel position via a hinge on the connection, and relocked in parallel position by a holder unit.

IPC 1-7
A45D 2/24

IPC 8 full level
A45D 2/34 (2006.01); **A45D 2/24** (2006.01); **A45D 6/08** (2006.01)

CPC (source: EP US)
A45D 2/24 (2013.01 - EP US)

Citation (search report)

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- [Y] AU 1990367 A 19681010
- [Y] FR 1357707 A 19640410 - OREAL
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- [A] WO 9306760 A1 19930415 - GUENIN DOMINIQUE [FR]
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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0861614 A2 19980902; EP 0861614 A3 19990908; DE 19708100 A1 19980903; JP H10234457 A 19980908; US 5855213 A 19990105

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EP 97122349 A 19971218; DE 19708100 A 19970228; JP 4436998 A 19980209; US 2232998 A 19980211