

Title (en)  
ELECTRICALLY HEATED CURLING IRON

Publication  
**EP 0218797 A3 19880720 (DE)**

Application  
**EP 86108834 A 19860630**

Priority  
US 78179085 A 19850930

Abstract (en)  
[origin: US4697066A] An electric heating element for a hair-curling wand having a barrel attached at one end to a handle is inserted into a portion of the barrel and consists of a loop cut out of thin flexible nickel foil having free ends forming terminals for connection to a voltage source, the loop being insulatingly embedded between two thin, flexible sheets of an insulating material. The loop is formed in the shape of two parallel straight stretches and reentrant portions at its both ends, whereby more thermal energy is produced by the end portions than by the central portion, resulting in a substantially uniform temperature distribution. The heating element is pressed onto the inner wall of the barrel by a resilient, longitudinally slotted tube, which has an initially larger diameter than that of the barrel and is inserted along with the heating element into the barrel by a special compressing tool. Alternatively, the heating element may be a flat resistor strip applied to the flexible sheet on the side remote from the barrel surface.

IPC 1-7  
**A45D 1/04**

IPC 8 full level  
**A45D 1/04** (2006.01); **H05B 3/34** (2006.01); **H05B 3/42** (2006.01)

CPC (source: EP US)  
**A45D 1/04** (2013.01 - EP US); **H05B 3/34** (2013.01 - EP US); **H05B 3/42** (2013.01 - EP US); **H05B 2203/011** (2013.01 - EP US); **H05B 2203/013** (2013.01 - EP US); **H05B 2203/017** (2013.01 - EP US); **H05B 2203/037** (2013.01 - EP US)

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