

Title (en)  
HAIR TREATMENT DEVICE

Publication  
**EP 0175232 A3 19861230 (DE)**

Application  
**EP 85111267 A 19850906**

Priority  
DE 3434072 A 19840917

Abstract (en)  
[origin: US4691095A] A hair styling device includes a hair roller that defines a conical inner chamber open at its larger end and has a jacket containing a heat storing material, a cooperating heating spindle for heating the hair roller, the heating spindle having a conical outer surface matching the inner surface of the inner chamber of the hair roller, and biasing means for causing the hair roller to rise off the heating spindle. Hair roller holding means comprises a body of ferromagnetic material carried by the hair roller adjacent the smaller end of the conical chamber and a magnet, the body of ferromagnetic material being movable into the holding range of the magnet when the hair roller is placed on the heating spindle to hold the conical surfaces of the chamber of the hair roller and the heating spindle in mating engagement. The Curie temperature of the ferromagnetic material corresponds to the set temperature of the hair roller, so that when the hair roller is heated to its set temperature, the holding force of the magnet is reduced and the biasing means lifts the hair roller off the heating spindle.

IPC 1-7  
**A45D 2/36**; **A45D 4/16**

IPC 8 full level  
**A45D 2/36** (2006.01); **A45D 4/16** (2006.01)

CPC (source: EP US)  
**A45D 2/36** (2013.01 - EP US); **A45D 4/16** (2013.01 - EP US)

Citation (search report)  
• [A] DE 1941287 A1 19710218 - BUCHMANN RUDOLF CH  
• [A] DE 1765528 A1 19710729 - SOLOMON NATHAN LEWIS  
• [A] DE 2039937 A1 19710225 - SCOVILL MANUFACTURING CO

Cited by  
US4803341A; WO8702555A1

Designated contracting state (EPC)  
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0175232 A2 19860326; EP 0175232 A3 19861230; EP 0175232 B1 19890111**; AT E39824 T1 19890115; AU 4689685 A 19860327; CA 1243916 A 19881101; DE 3434072 A1 19860327; DE 3567365 D1 19890216; DK 406085 A 19860318; DK 406085 D0 19850906; JP S6173605 A 19860415; US 4691095 A 19870901

DOCDB simple family (application)  
**EP 85111267 A 19850906**; AT 85111267 T 19850906; AU 4689685 A 19850828; CA 489313 A 19850823; DE 3434072 A 19840917; DE 3567365 T 19850906; DK 406085 A 19850906; JP 20358185 A 19850917; US 76803385 A 19850821