

Title (en)  
Hair straightening device

Title (de)  
Vorrichtung zum Ausrichten von Haaren

Title (fr)  
Dispositif défriseur de cheveux

Publication  
**EP 1721539 A1 20061115 (FR)**

Application  
**EP 05447135 A 20050613**

Priority  
• EP 05447135 A 20050613  
• EP 06447066 A 20060518

Abstract (en)  
The device has outer and inner combs (1, 2) mounted in a movable manner to allow a displacement of the combs with respect to each other so that a bunch of hair is pressed to smoothen the hair. The comb (1) has teeth formed by a succession of arches (3) whose cavity defines a tunnel (4). The tunnel is provided at the comb (2) to arrange the comb (2) below the comb (1) within the tunnel and to allow the displacement of the comb (2) with respect to the comb (1) so as to move teeth (5) of the comb (2) with respect to surfaces formed by the arches of the comb (1).

IPC 8 full level  
**A45D 2/00** (2006.01)

CPC (source: EP)  
**A45D 2/002** (2013.01); **A45D 20/12** (2013.01); **A45D 20/50** (2013.01)

Citation (applicant)  
WO 03026457 A1 20030403 - FACO SA [BE], et al

Citation (search report)  
• [A] WO 03026457 A1 20030403 - FACO SA [BE], et al  
• [A] US 1861040 A 19320531 - WILLIAMS JACQUES E B

Cited by  
EP2520190A1; EP2305061A1; DE102014100121B4; WO2015169383A1; JP2014136158A; CN111405855A; CN107536224A; FR2968511A1; EP2462831A3; WO2019154662A1; US10980326B2; DE202011050034U1; DE202009011098U1; US8267098B2; DE202011050030U1; EP2520189A1; DE202013100192U1; DE102014100121A1; JP2013056195A

Designated contracting state (EPC)  
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Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**EP 1721539 A1 20061115; EP 1721539 B1 20070912**; AT E372693 T1 20070915; AU 2006343878 A1 20071129; AU 2006343878 B2 20120322; CA 2649446 A1 20071129; DE 602005002464 D1 20071025; DE 602005002464 T2 20080124; DK 1721539 T3 20080114; EP 1857009 A1 20071121; EP 2019605 A1 20090204; EP 2019605 B1 20110720; ES 2293525 T3 20080316; PL 1721539 T3 20080229; WO 2007134408 A1 20071129; WO 2007136445 A2 20071129; WO 2007136445 A3 20080306

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**EP 05447135 A 20050613**; AT 05447135 T 20050613; AU 2006343878 A 20060929; BE 2006000107 W 20060929; CA 2649446 A 20060929; DE 602005002464 T 20050613; DK 05447135 T 20050613; EP 06447066 A 20060518; EP 06790464 A 20060929; ES 05447135 T 20050613; PL 05447135 T 20050613; US 2007006159 W 20070312