

Title (en)  
HAIR IRON

Title (de)  
LOCKENSTAB

Title (fr)  
FER A CHEVEUX

Publication  
**EP 1661480 A4 20070124 (EN)**

Application  
**EP 04771163 A 20040728**

Priority  
• JP 2004011112 W 20040728  
• JP 2003284631 A 20030801

Abstract (en)  
[origin: EP1661480A1] A hair iron comprising a pair of openable/closable hair-sandwiching arms that each store in void spaces shielded by shielding members a heat-source plate and a hair-heating plate positioned adjacent to the heat-source plate and sandwiches hairs when the arms are closed; wherein the pair of arms are openably/closably connected on one end by a pivot, and spring pressure is used to maintain the pair or arms in opening directions in a normal condition; wherein the heating plates are installed so that they face each other; wherein tapered portions are provided in a base, on the void space side, of the heating plate, and a gasket is securely fitted in the formed tapered voids in order to improve the steam cutoff property of the void spaces; and wherein the temperature can be controlled easily at the operator's fingertips.

IPC 8 full level  
**A45D 1/00** (2006.01); **A45D 1/04** (2006.01); **A45D 1/06** (2006.01); **A45D 2/00** (2006.01)

CPC (source: EP KR US)  
**A45D 1/00** (2013.01 - KR); **A45D 1/04** (2013.01 - EP KR US); **A45D 1/06** (2013.01 - EP US); **A45D 2/001** (2013.01 - EP US);  
**A45D 2001/008** (2013.01 - EP US)

Citation (search report)  
• [A] US 2316894 A 19430420 - ALBERT SHELBY, et al  
• [A] US 3157184 A 19641117 - LEE MURIEL O, et al  
• See references of WO 2005011434A1

Cited by  
EP3243404A1; WO2017194737A1; FR3015195A1; WO2015091043A3; US11744342B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1661480 A1 20060531**; **EP 1661480 A4 20070124**; BR PI0413248 A 20061003; CA 2534427 A1 20050210; CN 1826068 A 20060830;  
JP 4412283 B2 20100210; JP WO2005011434 A1 20060914; KR 20060040692 A 20060510; MX PA06001169 A 20060427;  
TW 200520707 A 20050701; US 2006201924 A1 20060914; WO 2005011434 A1 20050210

DOCDB simple family (application)  
**EP 04771163 A 20040728**; BR PI0413248 A 20040728; CA 2534427 A 20040728; CN 200480020944 A 20040728; JP 2004011112 W 20040728;  
JP 2005512555 A 20040728; KR 20067001177 A 20060118; MX PA06001169 A 20040728; TW 93122336 A 20040726;  
US 56653804 A 20040728