

Title (en)

Hair straightening appliance with flocked edge plates

Title (de)

Haarglättingsgerät mit beflockten Plattenkanten

Title (fr)

Appareil pour lisser les cheveux avec plaques aux arêtes floquées

Publication

**EP 1623648 A1 20060208 (EN)**

Application

**EP 05017227 A 20050808**

Priority

US 59945304 P 20040806

Abstract (en)

A hair-straightening device (10) has a pair of opposing arms (12, 14) joined by a hinge (16), which enables the opening and closing of the arms (12, 14). At the ends of the arms, opposite the hinge (16), are plates (20, 22) made of a material with properties for straightening the hair (18) of a user. Between the arms (12, 14) and the plates (20, 22) are heaters (24, 26) that heat the plates (20, 22) to a temperature sufficient to straighten the hair. Various controls (30) can be used to turn the device (10) on and off, as well as to set the temperature of the plates. The plates (20, 22) are attached to the arms (12, 14) by small metallic bezels that are crimped over and set around the angular edges of the plates. Alternatively, opposing retaining channels (36, 38) can be extruded into the metallic frames and the plates (20, 22) can then be slid into the channels. In order to avoid the exposure of the edges of the turned metal bezel and the plates and to protect the hair (18) from possible sharp and rough edges, which can cut and scrape the hair, the retaining bezels and a portion of the plate edges can be flocked with nylon or other similar material.

IPC 8 full level

**A45D 1/06** (2006.01); **A45D 2/00** (2006.01)

CPC (source: EP)

**A45D 1/06** (2013.01); **A45D 2/001** (2013.01)

Citation (search report)

- [A] US 6173718 B1 20010116 - OKUMOTO MASATAKA [JP], et al
- [A] US 4581519 A 19860408 - THALER ARNOLD [US], et al

Cited by

US8561620B2; US8567415B2

Designated contracting state (EPC)

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