

Title (en)

SHAVING HEAD OF A DRY SHAVER WITH A CURVED STRETCHED SHAVING FOIL

Publication

**EP 0148515 B1 19870304 (DE)**

Application

**EP 84201598 A 19841105**

Priority

DE 3340661 A 19831110

Abstract (en)

[origin: US4621423A] A vibratory dry-shaver comprises a shear foil having two longitudinal edges, and respective means to clamp the two longitudinal edges in place to cause the shear foil to assume a natural curvature, the tangents to such curvature at the two clamping means forming an acute angle with each other. A cutter is reciprocatingly movable along and adjacent to the shear foil, the cutting edge of the cutter having a curvature corresponding to that of the clamped, curved shear foil. The curved shear foil and the cutting edge of the cutter each have a hyperbolic cosine curvature according to the formula:  $y=cx \cosh x/c$  where y indicates the distances of the individual cutting edge points from the x-axis, x is the coordinate in the direction of the width of the cutter, and c is a constant derived from the width 2b of the clamped shear foil and the height of the curvature h of the clamped shear foil.

IPC 1-7

**B26B 19/04**; **B26B 19/02**; **B26B 19/00**; **B26B 19/12**

IPC 8 full level

**B26B 19/00** (2006.01); **B26B 19/02** (2006.01); **B26B 19/04** (2006.01); **B26B 19/12** (2006.01)

CPC (source: EP US)

**B26B 19/04** (2013.01 - EP US)

Citation (examination)

- "Lexikon der Technik und Exakte Naturwissenschaften" Fischer Taschenbuchverlag vom Oktober 1972, Seite 1648.
- "Meyers Lexikon der Technik und der Exakten Naturwissenschaft" Band 2, Bibliographisches Institut Ag, Mannheim, 1970, Seiten 1462/1463.

Designated contracting state (EPC)

AT CH DE FR GB LI

DOCDB simple family (publication)

**EP 0148515 A1 19850717**; **EP 0148515 B1 19870304**; AT E25611 T1 19870315; CA 1236280 A 19880510; DE 3340661 A1 19850530; DE 3340661 C2 19910307; DE 3462450 D1 19870409; JP S60116393 A 19850622; US 4621423 A 19861111

DOCDB simple family (application)

**EP 84201598 A 19841105**; AT 84201598 T 19841105; CA 467391 A 19841108; DE 3340661 A 19831110; DE 3462450 T 19841105; JP 23336584 A 19841107; US 63539284 A 19841011