Title (en)

LOWER CUTTER FOR A SHAVING HEAD OF AN ELECTRIC RAZOR

Title (de)

UNTERMESSER FÜR EINEN TROCKENRASIERERSCHERKOPF

Title (fr)

COUTEAU INFÉRIEUR POUR UNE TÊTE DE COUPE D'UN RASOIR À SEC

Publication

EP 2021153 A1 20090211 (DE)

Application

EP 07724091 A 20070407

Priority

- EP 2007003150 W 20070407
- DE 102006023774 A 20060520

Abstract (en)

[origin: WO2007134672A8] The present invention relates to a lower cutter (4) for a shaving head, equipped with an upper cutter (7), of an electric razor, comprising at least one blade (10) which has a cutting edge (11) pointing in a direction of movement. The invention also relates to a shaving head having such a lower cutter and to an electric razor equipped with it. It is proposed to no longer give the cutting edge the conventional wedge-shaped configuration in which simply two planes inclined at an acute angle define the cutting edge contour. According to the invention, the cutting edge has, one behind the other in the direction of movement (16), at least two cutting edge sections (18,19) having different cutting angles. By means of a cutting angle graduation or a changing cutting angle, an optimum compromise can be achieved between the conflicting requirements of cutting behaviour and edge stability. The cutting edge section having the more obtuse or less acute cutting angle produces the desired cutting edge stability and at the same time provides for a long service life. On the other hand, the cutting edge sections having the more acute angle reduce the cutting forces, such that an improved threading behaviour can be achieved.

IPC 8 full level

B26B 19/04 (2006.01)

CPC (source: EP)

B26B 19/04 (2013.01); **B26B 19/044** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006023774 A1 20071122; AT E551160 T1 20120415; CN 101448610 A 20090603; CN 101448610 B 20111130; EP 2021153 A1 20090211; EP 2021153 B1 20120328; JP 2009537189 A 20091029; JP 5242559 B2 20130724; RU 2008145761 A 20100527; RU 2434738 C2 20111127; WO 2007134672 A1 20071129; WO 2007134672 A8 20081113

DOCDB simple family (application)

DE 102006023774 A 20060520; AT 07724091 T 20070407; CN 200780018442 A 20070407; EP 07724091 A 20070407; EP 2007003150 W 20070407; JP 2009510301 A 20070407; RU 2008145761 A 20070407