

Title (en)
SAFETY RAZORS

Title (de)
SICHERHEITSRASIERER

Title (fr)
RASOIRS DE SECURITE

Publication
EP 0760734 B2 20060809 (EN)

Application
EP 96910481 A 19960321

Priority
• GB 9505917 A 19950323
• US 9603758 W 19960321

Abstract (en)
[origin: WO9629183A1] A safety razor blade unit has a guard (2), a cap (3), and three parallel blades (11, 12, 13) mounted between the guard and cap, at least one of the blades, guard and cap being movable from a non-shaving position to modify a blade exposure dimension, and to attain a modified blade geometry in which the exposure of the first blade (11) is not greater than zero and the exposure of the third blade (13) is not less than zero. At least one of the cap (2) and guard (3) can be movable against the force of a spring (20 or 21) from a non-shaving position in which all the blades between the guard and cap have their edges disposed below a plane tangential to the skin contacting surfaces of the guard and cap. The blades can be independently sprung or carried for movement in unison on a carrier pivotally mounted in a frame of the blade unit.

IPC 8 full level
B26B 21/22 (2006.01)

CPC (source: EP)
B26B 21/227 (2013.01)

Citation (opposition)
Opponent :
• US 3660893 A 19720509 - WELSH NORMAN C
• US 5251376 A 19931012 - ALTHAUS WOLFGANG [DE], et al
• WO 9217322 A1 19921015 - GILLETTE CO [US]
• US 5426851 A 19950627 - GILDER BERNARD [GB], et al
• US 3786563 A 19740122 - DORION F, et al
• GB 2295982 A 19960619 - HUSAIN ZULFIQAR AKBERALI [GB]
• US 4063354 A 19771220 - OLDROYD BRIAN, et al
• GB 2147535 A 19850515 - WARNER LAMBERT CO
• GB 2113594 A 19830810 - WILKINSON SWORD LTD
• GB 2118088 A 19831026 - WILKINSON SWORD LTD

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US8117753B2; US8336212B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 9629183 A1 19960926; AT E198438 T1 20010115; AU 5366396 A 19961008; AU 708312 B2 19990729; BR 9605889 A 19970819; CA 2190269 A1 19960926; CA 2190269 C 20020528; CN 1121302 C 20030917; CN 1149851 A 19970514; CO 4520116 A1 19971015; CZ 290222 B6 20020612; CZ 341596 A3 19980415; DE 69611406 D1 20010208; DE 69611406 T2 20010621; DE 69611406 T3 20070215; EP 0760734 A1 19970312; EP 0760734 B1 20010103; EP 0760734 B2 20060809; ES 2153100 T3 20010216; ES 2153100 T5 20070201; GB 9505917 D0 19950510; GR 3035693 T3 20010731; HK 1009413 A1 19990604; HU 218468 B 20000928; HU P9603239 A2 19970528; HU P9603239 A3 20000328; JP 2007083084 A 20070405; JP 3961020 B2 20070815; JP H10500888 A 19980127; MY 118327 A 20041030; NZ 305619 A 19980826; PL 180793 B1 20010430; PL 317327 A1 19970401; PT 760734 E 20010531; RO 121633 B1 20080130; RU 2160181 C2 20001210; SK 144896 A3 19970806; SK 283788 B6 20040108; TR 199600887 T1 19970321; TW 307708 B 19970611; UA 47406 C2 20020715

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US 9603758 W 19960321; AT 96910481 T 19960321; AU 5366396 A 19960321; BR 9605889 A 19960321; CA 2190269 A 19960321; CN 96190230 A 19960321; CO 96014129 A 19960321; CZ 341596 A 19960321; DE 69611406 T 19960321; EP 96910481 A 19960321; ES 96910481 T 19960321; GB 9505917 A 19950323; GR 20010400542 T 20010402; HK 98110418 A 19980903; HU P9603239 A 19960321; JP 2006353131 A 20061227; JP 52857596 A 19960321; MY P19601088 A 19960322; NZ 30561996 A 19960321; PL 31732796 A 19960321; PT 96910481 T 19960321; RO 9602176 A 19960321; RU 96124082 A 19960321; SK 144896 A 19960321; TR 9600887 T 19960321; TW 85104877 A 19960424; UA 96124772 A 19960321