

Title (en)
IMPROVEMENTS IN OR RELATING TO RAZOR BLADES

Title (de)
RASIERKLINGE

Title (fr)
AMELIORATIONS CONCERNANT LES LAMES DE RASOIR

Publication
EP 0582676 B1 20000322 (EN)

Application
EP 92913377 A 19920422

Priority

- US 9203330 W 19920422
- US 69201091 A 19910426
- US 75981291 A 19910826
- US 83525192 A 19920213

Abstract (en)
[origin: CZ288085B6] The razor blade comprises a substrate on which is formed a wedge shaped sharpened edge. The wedge has an included angle of less than thirty degrees and a tip radius of less than 1200 angstroms. An interlayer of material, chosen from the group of molybdenum, nickel, niobium, silicon, silicon carbide, tantalum, vanadium and their alloys, is deposited on the wedge in a thickness less than 500 angstroms. A layer of diamond or diamond like carbon is deposited on the interlayer. This final layer has a thickness of at least 1200 angstroms on the wedge flanks to a tip radius of 40 microns.

IPC 1-7
B26B 21/54; **B26B 21/40**; **B26B 21/60**

IPC 8 full level
B23P 15/40 (2006.01); **B26B 21/00** (2006.01); **B26B 21/14** (2006.01); **B26B 21/40** (2006.01); **B26B 21/54** (2006.01); **B26B 21/56** (2006.01); **B26B 21/60** (2006.01)

CPC (source: EP)
B26B 21/60 (2013.01)

Citation (examination)

- US 4933058 A 19900612 - BACHE ROGER J [GB], et al
- DATABASE WPI Week 8945, Derwent World Patents Index; Class A44, Page 4, AN 89328714

Cited by
US11230024B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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WO 9219425 A2 19921112; **WO 9219425 A3 19930121**; AT E190892 T1 20000415; AU 2184292 A 19921221; AU 666659 B2 19960222; CA 2102222 A1 19921027; CA 2102222 C 19980825; CN 1039527 C 19980819; CN 1068058 A 19930120; CZ 227593 A3 19940316; CZ 288085 B6 20010411; DE 69230822 D1 20000427; DE 69230822 T2 20001207; EG 19582 A 19990531; EP 0582676 A1 19940216; EP 0582676 A4 19940706; EP 0582676 B1 20000322; ES 2143473 T3 20000516; HU T69255 A 19950828; JP 3439761 B2 20030825; JP H06507100 A 19940811; KR 100241239 B1 20000302; MX 9201910 A 19921101; MY 107736 A 19960530; RU 2108234 C1 19980410; TR 26981 A 19940912; TW 221976 B 19940401

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