

Title (en)  
RAZOR BLADE AND CARTRIDGE INCLUDING SAME

Title (de)  
RASIERKLINGE UND DIESE ENTHALTENDE EINHEIT

Title (fr)  
LAME DE RASOIR, CARTOUCHE CONTENANT CELLE-CI

Publication  
**EP 1011934 B1 20020529 (EN)**

Application  
**EP 98907644 A 19980226**

Priority  
• US 9803761 W 19980226  
• US 80714497 A 19970227

Abstract (en)  
[origin: WO9838017A2] A strengthened blade for a shaving razor including a generally flat blade member having a width along a width axis, a length along a transverse length axis, and smaller dimensions along a thickness axis that is normal to both the width axis and the length axis, the blade member having a nonlinear front cutting edge defined by a plurality of waves having crests and valleys extending above and below the length axis in a direction that is parallel to the thickness axis.

IPC 1-7  
**B26B 21/00**

IPC 8 full level  
**B21D 53/64** (2006.01); **B24B 3/48** (2006.01); **B26B 21/54** (2006.01); **B26B 21/56** (2006.01)

CPC (source: EP KR)  
**B21D 53/645** (2013.01 - EP); **B24B 3/48** (2013.01 - EP); **B26B 21/54** (2013.01 - EP); **B26B 21/56** (2013.01 - KR); **B26B 21/565** (2013.01 - EP)

Cited by  
US9862108B2; US10220532B2; US10220533B2; US10391651B2; US10500745B2; US10744660B2; US10843355B2

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

DOCDB simple family (publication)  
**WO 9838017 A2 19980903; WO 9838017 A3 19981203**; AR 011895 A1 20000913; AT E218087 T1 20020615; AU 6339998 A 19980918; BR 9807754 A 20000222; CA 2278765 A1 19980903; CA 2278765 C 20040928; CN 1163333 C 20040825; CN 1248935 A 20000329; CO 4761088 A1 19990427; DE 69805632 D1 20020704; DE 69805632 T2 20030130; EP 1011934 A2 20000628; EP 1011934 B1 20020529; ES 2174420 T3 20021101; ID 22706 A 19991209; JP 2001513681 A 20010904; KR 20000075679 A 20001226; PL 186434 B1 20040130; PL 335376 A1 20000425; TR 199902073 T2 19991221; TW 378173 B 20000101; ZA 981629 B 19980828

DOCDB simple family (application)  
**US 9803761 W 19980226**; AR P980100887 A 19980227; AT 98907644 T 19980226; AU 6339998 A 19980226; BR 9807754 A 19980226; CA 2278765 A 19980226; CN 98802880 A 19980226; CO 98010857 A 19980227; DE 69805632 T 19980226; EP 98907644 A 19980226; ES 98907644 T 19980226; ID 990867 A 19980226; JP 53784698 A 19980226; KR 19997007745 A 19990825; PL 33537698 A 19980226; TR 9902073 T 19980226; TW 87102734 A 19980225; ZA 981629 A 19980226