

Title (en)  
RAZOR BLADE TECHNOLOGY

Title (de)  
RASIERKLINGENTECHNOLOGIE

Title (fr)  
TECHNOLOGIE DE LAME DE RASOIR

Publication  
**EP 2303525 B1 20161130 (EN)**

Application  
**EP 09751358 A 20090519**

Priority  
• US 2009044485 W 20090519  
• US 5456308 P 20080520

Abstract (en)  
[origin: WO2009143130A2] A razor cartridge is provided. The razor cartridge includes a frame having skin engaging guard and cap surfaces and one or more razor blades each having a sharpened cutting edge. The cutting edge of the razor blade and/or a skin engaging surface of the frame includes a surface texture. The surface texture has a pattern of elements having a height at least 10 nanometers. The texture can be applied by addition to, or subtraction from the surface or combinations of the two. The texture can be a regular pattern of features or a random pattern of random features or combinations of the two. Surface subtraction can be by laser etching or laser ablation. Surface addition can be by sputtering or other suitable vacuum process. The surface thus textured has increased hydrophobicity and decreased friction relative to the hair being cut or skin surface being shaved.

IPC 8 full level  
**B26B 21/40** (2006.01); **B26B 21/54** (2006.01); **B26B 21/58** (2006.01); **B26B 21/60** (2006.01)

CPC (source: EP)  
**B26B 21/56** (2013.01); **B26B 21/60** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2009143130 A2 20091126; WO 2009143130 A3 20100107**; EP 2303525 A2 20110406; EP 2303525 A4 20111019;  
EP 2303525 B1 20161130; PL 2303525 T3 20170531

DOCDB simple family (application)  
**US 2009044485 W 20090519**; EP 09751358 A 20090519; PL 09751358 T 20090519