

Title (en)
RAZOR BLADE TECHNOLOGY

Title (de)
RASIERKLINGENTECHNOLOGIE

Title (fr)
TECHNOLOGIE DE LAME DE RASOIR

Publication
EP 2303525 A4 20111019 (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 21/54 (2006.01); **B26B 21/40** (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)

Citation (search report)
• [I] US 2007062047 A1 20070322 - ZHUK ANDREW [US], et al
• [I] US 2007082229 A1 20070412 - MIRCHANDANI RAJINI P [US], et al
• [I] US 2004163262 A1 20040826 - KING RODNEY L [US], et al
• [I] WO 2007064699 A2 20070607 - EVEREADY BATTERY INC [US], et al
• See references of WO 2009143130A2

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)
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