



(43) International Publication Date
11 December 2014 (11.12.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/197667 A1

(51) International Patent Classification:

C09D 5/16 (2006.01) **B26B 21/52** (2006.01)
B26B 21/60 (2006.01) **C09D 5/00** (2006.01)
B26B 21/40 (2006.01)

(21) International Application Number:

PCT/US2014/041037

(22) International Filing Date:

5 June 2014 (05.06.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/831,329 5 June 2013 (05.06.2013) US

(71) Applicant: **THE GILLETTE COMPANY** [US/US];

World Shaving Headquarters, IP/Legal Patent Department
- 3E, One Gillette Park, Boston, Massachusetts 02127
(US).

(72) Inventors: **SONNENBERG, Neville**; One Gillette Park,

Boston, Massachusetts 02127 (US). **STEPHENS, Alison,**
Fiona; Rusham Park, Whitehall Lane, Egham Surrey
TW20 9NW (GB). **SPOONER-WYMAN, Joia, Kirin**;
One Gillette Park, Boston, Massachusetts 02127 (US).

(74) Agent: **GUFFEY, Timothy B.**; c/o THE PROCTER &

GAMBLE COMPANY, Global Patent Services, 299 East
6th Street, Sycamore Building, 4th Floor, Cincinnati, Ohio
45202 (US).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))

(54) Title: RAZOR COMPONENTS WITH NOVEL COATING

(57) Abstract: This invention relates to a novel application of liquid-infused surface materials (LISM) to at least a portion of one or more surfaces of razor components (e.g., frame, housing, clips, blade supports, blade body, blade edge, lubricating bodies, guard, handle, grip, button). If applied to a skin contacting surface of a component, the one or more LISM layers may generally be abrasion-resistant, long-lasting or non-erodible, desirably elevating shaving performance, such as glide, comfort, rinsing, and cleanliness, while also simplifying the manufacturing process.



WO 2014/197667 A1