

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 July 2009 (09.07.2009)

(10) International Publication Number
WO 2009/085593 A3

PCT

(51) International Patent Classification:
C08F 220/18 (2006.01) *C08F 2/18* (2006.01)

(21) International Application Number:
PCT/US2008/086043

(22) International Filing Date:
9 December 2008 (09.12.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/015,423 20 December 2007 (20.12.2007) US

(71) Applicant (for all designated States except US): **LUBRI-
ZOL ADVANCED MATERIALS, INC.** [US/US]; 9911
Brecksville Road, Cleveland, Ohio 44141-3247 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HSU, Shui-jen
Raymond** [US/US]; 28816 Woodmill Drive, Westlake,
Ohio 44145 (US). **BLANKSCHAEN, Elizabeth**
[US/US]; 5753 Breckwood Oval, Broadview Heights,
Ohio 44147 (US).

(74) Agents: **LAFERTY, Samuel B.** et al.; Lubrizol Ad-
vanced Materials, Inc., Legal Department, 9911
Brecksville Road, Cleveland, Ohio 44141-3247 (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, BR, BW, BY, BZ,
CA, CH, 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, IS, JP, KE, KG, KM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG,
SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii))

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))

(88) Date of publication of the international search report:
27 August 2009

(54) Title: WATERBORNE COATINGS WITH IMPROVED EARLY WATER BLUSHING AND CHEMICAL RESISTANCE

(57) Abstract: This invention relates to waterborne coatings with enhanced early water blushing resistance, chemical resistance, and adhesion to substrates. These waterborne coatings can be paints, varnishes, and water sealers that offer excellent early water blushing as well as excellent resistance to common household chemicals, such as gasoline, motor oil, brake fluid, transmission fluid, household cleaners, window cleaning fluids, antifreeze, and the like.



WO 2009/085593 A3