

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number
WO 2004/013218 A1

(51) International Patent Classification⁷: **C08K 5/00**,
C07F 7/08

(21) International Application Number:
PCT/US2003/019602

(22) International Filing Date: 17 June 2003 (17.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/064,676 6 August 2002 (06.08.2002) US

(71) Applicant: **GENERAL ELECTRIC COMPANY**
[US/US]; 1 River Road, Schenectady, NY 12345 (US).

(72) Inventors: **CHOWDHURY, Sanjoy, Kumar**; No. 32,
Chinnappanahalli, Ramanjeya Layout, Marathathalli, Ban-
galore 37 (IN). **HOEKS, Theodorus, Lambertus**; Hal-
sterseweg 303, NL-4613 AS Bergen op Zoom (NL).

(74) Agents: **WINTER, Catherine, J. et al.**; General Elec-
tric Company, 3135 Easton Turnpike (W3C), Fairfield, CT
06828 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU,
ZA, ZM, ZW.

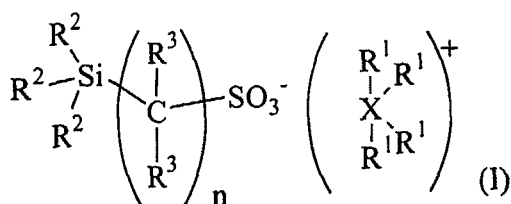
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ANTISTATIC AGENTS AND POLYMER COMPOSITIONS DERIVED THEREFROM



(57) Abstract: An antistatic additive comprises a quaternary onium organosilicon compound having formula (I), wherein each R¹ independently comprises an aliphatic or aromatic functional groups that may be substituted or unsubstituted; X comprises phosphorus or nitrogen; each R² independently comprises an aliphatic or aromatic functional group that may be substituted or unsubstituted; each R³ independently comprises a hydrogen or an aliphatic or aromatic functional group that may be substituted or unsubstituted; and "n" has a value of about 1 to about 20.

WO 2004/013218 A1