



(51) International Patent Classification:

C08C 19/25 (2006.01) *C08F 4/46* (2006.01)
C08C 19/44 (2006.01) *C08F 4/48* (2006.01)

(21) International Application Number:

PCT/EP2012/068121

(22) International Filing Date:

14 September 2012 (14.09.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant (for all designated States except US): **STYRON EUROPE GMBH** [CH/CH]; Zugerstrasse 231, CH-8810 Horgen (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DÖRING, Christian** [DE/DE]; Styron Deutschland GmbH, B13, 06258 Schkopau (DE). **KNOLL, Susanne** [DE/DE]; Styron Deutschland GmbH, B13, 06258 Schkopau (DE). **HEIDENREICH, Daniel** [DE/DE]; Styron Deutschland GmbH, B13, 06258 Schkopau (DE). **THIELE, Sven** [DE/DE]; Styron Deutschland GmbH, B13, 06258 Schkopau (DE).

(74) Agents: **SPILGIES, J.-H.** et al.; **HOFFMANN · EITL**, Arabellastrasse 4, 81925 Munich (DE).

(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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: AMINO SILANE-MODIFIED POLYMERS

(57) Abstract: The present invention relates to modified macromolecular compounds obtainable by using specific amino silane polymerization initiator compounds and optionally chain end-modifying compounds. The present invention also relates to polymer compositions comprising such modified macromolecular compounds and the use of such compositions in the preparation of vulcanized (crosslinked) elastomeric polymer compositions and articles.

