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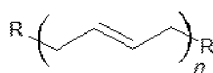
kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

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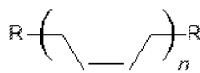
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(54) Title: PROCESS AND CATALYSTS FOR HYDROGEN MEDIATED ANIONIC COPOLYMERIZATION OF CONJUGATED DIENES AND LIQUID COPOLYMERS THEREOF

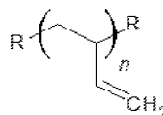
For Polybutadiene



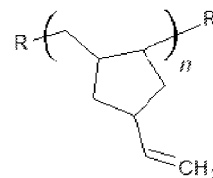
trans-1,4-BD



cis-1,4-BD

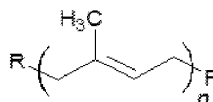


vinyl-1,2-BD

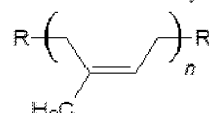


vinyccyclopentane (VCP)

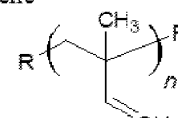
For Polyisoprene



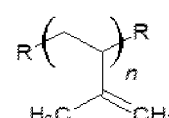
trans-1,4-IP



cis 1,4-IP



vinyl-1,2-IP



vinylidene-3,4-IP

(57) Abstract: The disclosure relates to hydrogen mediated anionically copolymerized conjugated diene vinyl aromatic compositions, copolymers of isoprene and/or butadiene with styrene, and processes and compositions for preparing them.

[Continued on next page]

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