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(21) International Application Number: PCT/EP99/06171 (22) International Filing Date: 23 August 1999 (23.08.99) (30) Priority Data: 98810878.3 3 September 1998 (03.09.98) EP (71) Applicant (for all designated States except US): CIBA SPECIALTY CHEMICALS HOLDING INC. [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH). (72) Inventors; and (75) Inventors/Applicants (for US only): ROTH, Michael [DE/DE]; Falltorweg 5, D-64686 Lautertal (DE). PFAENDNER, Rudolf [DE/DE]; Sackgasse 3, D-64668 Rimbach (DE). (74) Common Representative: CIBA SPECIALTY CHEMICALS HOLDING INC.; Patentabteilung, Klybeckstrasse 141, CH-4057 Basel (CH).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CII, CN, CR, CU, CZ, DE, DK, DM, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: GRAFTING OF ETHYLENICALLY UNSATURATED MONOMERS ONTO POLYMERS (57) Abstract The present invention relates to a process for the preparation of grafted polymers wherein in a first step A) a stable nitroxyl radical is grafted onto a polymer, which step comprises heating a polymer and a stable nitroxyl radical (NO•); and in a second step B) the grafted polymer of step A) is heated in the presence of an ethylenically unsaturated monomer or oligomer to a temperature at which cleavage of the nitroxyl-polymer bond occurs and polymerization of the ethylenically unsaturated monomer or oligomer is initiated at the polymer radical; maintaining said temperature for further polymerization and afterwards cooling down the mixture to a temperature below 60 °C. Further subjects are grafted polymers prepared by said process, the use of the polymeric radical initiator and the use of NO radicals for grafting polymers.		