

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 May 2001 (31.05.2001)

PCT

(10) International Publication Number
WO 01/38431 A1

(51) International Patent Classification: C08K 5/3435, 5/32

(21) International Application Number: PCT/EP00/11378

(22) International Filing Date:
16 November 2000 (16.11.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
99811089.4 25 November 1999 (25.11.1999) 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): PFAENDNER,
Rudolf [DE/DE]; Sackgasse 3, 64668 Rimbach (DE).
ROTH, Michael [DE/DE]; Falltorweg 5, 64686 Lautertal
(DE). WUNDERLICH, Wiebke [DE/DE]; Bahnhofstrasse
25a, 64404 Bickenbach (DE).

(74) Common Representative: CIBA SPECIALTY CHEMI-
CALS HOLDING INC.; Patentabteilung, Klybeckstrasse
141, CH-4057 Basel (CH).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, 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, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

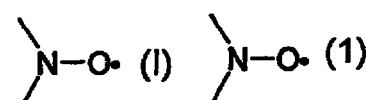
Published:

— With international search report.

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

WO 01/38431 A1

(54) Title: COMPOSITION AND METHOD FOR COLOR IMPROVEMENT OF NITROXYL CONTAINING POLYMERS



oligomer, cooligomer, polymer or copolymer or blends thereof, containing a stable free nitroxyl radical (1); by adding a reducing agent to said polymer and heating said mixture to above the glass temperature in case of amorphous polymers or above the melting point in case of crystalline or semi-crystalline polymers.

(57) Abstract: The invention relates to a composition comprising, a) at least one oligomer, cooligomer, polymer or copolymer or blends thereof, containing a stable free nitroxyl radical (1); and b) a reducing agent; with the proviso that the composition is essentially free of a polymerizable monomer. A further subject is a process for improving the color of an