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<p>(21) International Application Number: PCT/EP96/00959 (22) International Filing Date: 7 March 1996 (07.03.96) (30) Priority Data: 772/95 17 March 1995 (17.03.95) CH (71) Applicant (for all designated States except US): CIBA-GEIGY AG [CH/CH]; Klybeckstrasse 141, CH-4002 Basle (CH). (72) Inventors; and (75) Inventors/Applicants (for US only): LUTHER, Helmut [DE/DE]; Tüllingerweg 3A, D-79639 Grenzach-Wyhlen (DE). HÜGLIN, Dietmar [DE/DE]; Sandstrasse 6, D-79104 Freiburg (DE). HERZOG, Bernd [DE/DE]; Zellerstrasse 12, D-79713 Bad Säckingen (DE). (74) Common Representative: CIBA-GEIGY AG; Patentabteilung, Klybeckstrasse 141, CH-4002 Basle (CH).</p>		<p>(81) Designated States: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>
<p>(54) Title: LIPOSOMOGENIC UV ABSORBERS</p> <p>(57) Abstract</p> <p>There are described liposomogenic UV absorbers, comprising a hydrophilic head group (=Z), a spacer (=W), a UV chromophore (Q) having an absorption in the range from 285 to 400 nm and at least one hydrophobic tail group (=A) of the formula (1), in which A₁ and A₂, independently of one another, are a hydrophobic radical, Q is a UV chromophore, W is an organic radical, Z₁ and Z₂, independently of one another, are a hydrophilic radical, n₁ and n₂, independently of one another, are a number from 0 to 4, n₁=n₂=0 not being additionally included, p is 1 or 2, q is a number from 0 to 3, r₁ is 1 or 2, r₂ is 0 or 1, and s₁ is a number from 1 to 3. The liposomogenic UV absorbers according to the invention are preferably used as sunscreen agents in cosmetic preparations. They are capable of self-organization into bimolecular layers, and can thereby penetrate into the stratum corneum to a high extent and behave there in an extremely wash-resistant manner.</p> <div style="text-align: right;"> $\left[(A_1)_{n_1} - (Q)_p - W_q - \left[(Z_2)_{r_2} - (A_2)_{n_2} \right]_s - (Z_1)_{r_1} \right] \quad (1)$ </div>		