



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>C09D 4/06, C08F 291/00, G01N 31/22</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 95/29959</b><br><b>(43) International Publication Date:</b> 9 November 1995 (09.11.95)                                                                                                                                                                                                                                                                                                                                      |
| <b>(21) International Application Number:</b> PCT/IB95/00301<br><b>(22) International Filing Date:</b> 27 April 1995 (27.04.95)<br><b>(30) Priority Data:</b><br>1360/94-4                      2 May 1994 (02.05.94)                      CH<br>1068/95-4                      11 April 1995 (11.04.95)                      CH<br><b>(71) Applicant (for all designated States except US):</b> CIBA-GEIGY AG [CH/CH]; Klybeckstrasse 141, CH-4002 Basle (CH).<br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> BARNARD, Steven [US/CH]; Efringerstrasse 2/5, CH-4057 Basle (CH). ROUILLY, Marizel [CH/CH]; Mülligass 7, CH-5264 Gipf-Oberfrick (CH).<br><b>(74) Common Representative:</b> CIBA-GEIGY AG; Patentabteilung, Klybeckstrasse 141, CH-4002 Basle (CH). |           | <b>(81) Designated States:</b> AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, <del>SG</del> SI, SK, TJ, TM, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, 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), ARIPO patent (KE, MW, SD, SZ, UG).<br><br><b>Published</b><br><i>With international search report.</i> |
| <b>(54) Title:</b> POLYMERISABLE COMPOSITON AND THE USE THEREOF<br><b>(57) Abstract</b><br><p>A composition comprising: (a) at least one olefinic monomer (A), (b) at least one polymer of at least one olefinic monomer, (c) an indicator dye to the basic structure of which an olefinic polymerisable group is covalently bonded directly or via a bridge group, (d) at least one at least diolefinic cross-linking agent, and (e) an effective amount of a polymerisation initiator. The polymerisates of the composition are suitable as membranes in optical sensors for the detection of ions and gases.</p>                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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