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| <b>(51) International Patent Classification<sup>6</sup>:</b><br><b>A61L 2/18, C11D 3/00, G02C 13/00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>A1</b> | <b>(11) International Publication Number:</b> <b>✓WO 97/31659</b><br><b>(43) International Publication Date:</b> 4 September 1997 (04.09.97)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>(21) International Application Number:</b> PCT/US97/01331 ✓<br><b>(22) International Filing Date:</b> 28 January 1997 (28.01.97) ✓<br><b>(30) Priority Data:</b><br>60/013,304 28 February 1996 (28.02.96) ✓ US<br>60/033,183 17 December 1996 (17.12.96) US<br><b>(71) Applicant:</b> BAUSCH & LOMB INCORPORATED [US/US];<br>One Bausch & Lomb Place, Rochester, NY 14604-2701 (US). ✓<br><b>(72) Inventors:</b> RICHARD, Wanda, D.; 279 Stonehedge Drive,<br>Philipsburg, NJ 08865 (US). HEILER, David, J.; 173<br>Wadsworth Avenue, Avon, NY 14414 (US).<br><b>(74) Agents:</b> KONKOL, Chris, P. et al.; Bausch & Lomb Incorporated,<br>One Bausch & Lomb Place, Rochester, NY 14604-2701 (US). |           | <b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, 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).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |
| <b>(54) Title:</b> TREATMENT OF CONTACT LENSES WITH AQUEOUS SOLUTION INCLUDING PHOSPHONIC COMPOUNDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>(57) Abstract</b><br><br><p>The present invention provides non-oxidative methods for treating contact lenses and compositions for the same. The present invention includes contacting a lens with an aqueous solution comprising a phosphonic acid compound. In preferred embodiments of the invention, the subject phosphonic compounds are used in combination with antimicrobial agents for providing simultaneous disinfection and cleaning of contact lenses including the prevention or removal of protein deposits.</p>                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |