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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/036236 A3

(51) International Patent Classification[7]: G02C 7/04, A61F 2/14

(21) International Application Number:
PCT/US2004/033136

(22) International Filing Date: 6 October 2004 (06.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/679,645 6 October 2003 (06.10.2003) US

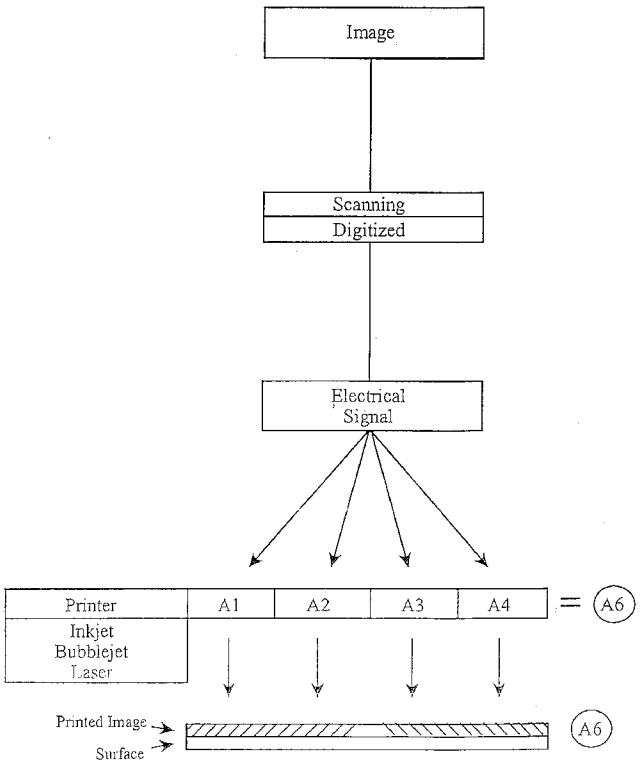
(71) Applicants and
(72) Inventors: **DOSHI, Praful** [US/US]; 12628 Brookstone Ct, Poway, CA 92064 (US). **FOX, James** [GB/GB]; 43 Cowper Road, Cambridge Cambridgeshire CB1 3SL (GB). **BENTLY, Philip** [GB/GB]; 138 Brampton Rd, Cambridge Cambridgeshire CB1 3HL (GB). **PATEL, Jagvi** [GB/GB]; 39 Barkway Street, Royston Hertfordshire SG8 9EE (GB). **KULKARNI, Chidambar** [US/US]; 5141 Montessa Street, San Diego, CA 92124 (US). **HALBE, Steven** [US/US]; 7720 Parkdale Place, San Diego, CA 92126 (US). **DALTON, Hananiah** [US/US]; 3349 Dorchester Drive, San Diego, CA 92123 (US).

(74) Agents: **PRESTON, David** et al.; David R. Preston & Associates, 12625 High Bluff Drive, Suite 205, San Diego, CA 92130 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

[Continued on next page]

(54) Title: TINTED LENSES AND METHODS OF MANUFACTURE



(57) Abstract: The present invention recognizes that lenses, such as contact lenses, can be pigmented using an ink that includes oligomers, polymers or polymerizable monomers. The ink can be used to make images on or within the lens. Images made using these inks may be digital and can be used in a variety of printing methods, including ink-jet printing.

WO 2005/036236 A3

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

(88) Date of publication of the international search report:
2 February 2006

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.