

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 April 2008 (03.04.2008)

PCT

(10) International Publication Number
WO 2008/038131 A1

(51) International Patent Classification:
G03F 7/09 (2006.01) *G03F 7/20* (2006.01)

(21) International Application Number:
PCT/IB2007/002876

(22) International Filing Date:
24 September 2007 (24.09.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/527,862 27 September 2006 (27.09.2006) US

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

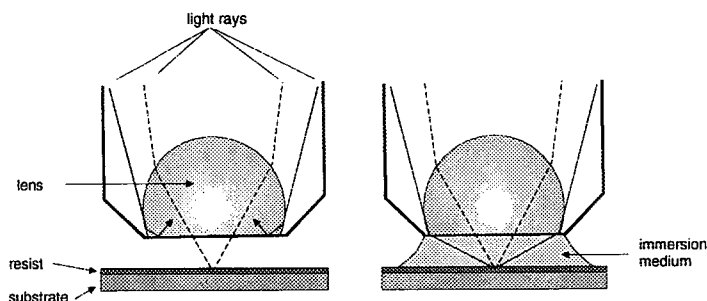
AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, 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, IS, IT, LT, LU, LV, MC, MT, 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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(54) Title: ANTIREFLECTIVE COATING COMPOSITIONS



Difference in the optical path of light rays entering at the extreme edge of a lens for air and an immersion medium of higher refractive index.

(57) Abstract: The present invention relates to a spin-on anti reflective coating composition for a photoresist comprising a polymer, a crosslinking compound and a thermal acid generator, where the polymer comprises at least one functional moiety capable of increasing the refractive index of the anti reflective coating composition to a value equal or greater than 1.8 at exposure radiation used for imaging the photoresist and a functional moiety capable of absorbing exposure radiation used for imaging the photoresist. The invention further relates to a process for imaging the antireflective coating of the present invention.

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