



(51) International Patent Classification:

C09D 11/00 (2006.01) **B41M 3/14** (2006.01)
C09D 11/10 (2006.01) **C09K 11/06** (2006.01)

(21) International Application Number:

PCT/EP2010/056350

(22) International Filing Date:

10 May 2010 (10.05.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PCT/IB2009/005572 12 May 2009 (12.05.2009) WO

(71) Applicant (for all designated States except US): **SICPA HOLDING SA** [CH/CH]; Avenue de Florissant 41, CH-1008 Prilly (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ABOUTANOS, Vickie** [AU/CH]; Rue Cheneau de Bourg 7, CH-1003 Lausanne (CH). **TILLER, Thomas** [DE/CH]; Chemin du Cèdre 21, CH-1030 Bussigny (CH). **REINHARD, Christine** [CH/CH]; Chemin de la Cure 8, CH-1005 Prilly (CH). **RASCAGNÈRES, Stéphanie** [FR/FR]; Impasse du Colomby, Charmoisy, F-74550 Orcier (FR).

(74) Agent: **BUBLAK, Wolfgang**; Bardehle Pagenberg Dost Altenburg Geissler, Galileiplatz 1, 81679 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

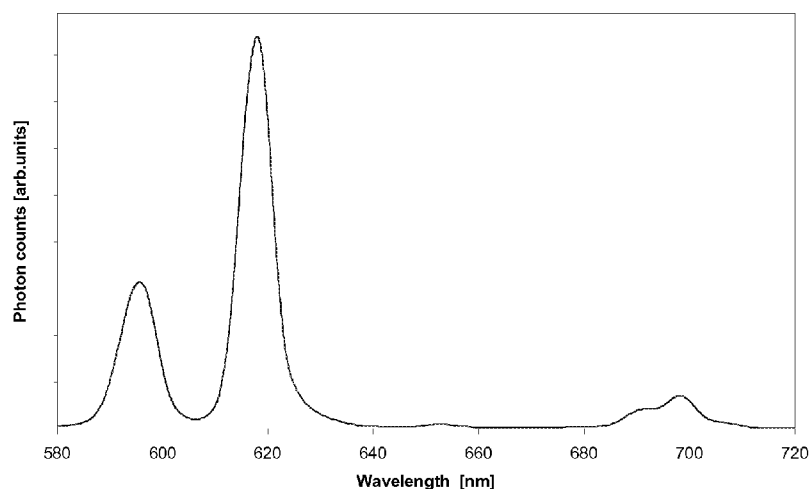
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- with amended claims (Art. 19(1))

(54) Title: SECURE DOCUMENT COMPRISING LUMINESCENT CHELATES

Figure 1



(57) Abstract: Aqueous thermal inkjet ink composition for the printing of security documents comprising at least one luminescent water-soluble lanthanide complex.