

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
05 December 2024 (05.12.2024)



(10) International Publication Number  
**WO 2024/246371 A8**



- (51) International Patent Classification:  
*B42D 25/324* (2014.01)
- (21) International Application Number:  
PCT/EP2024/069744
- (22) International Filing Date:  
11 July 2024 (11.07.2024)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
23315191.9 11 May 2023 (11.05.2023) EP
- (71) Applicant: **THALES DIS FRANCE SAS** [FR/FR]; 6, rue de la Verrerie, 92190 MEUDON (FR).
- (72) Inventors: **POHJOLA, Teemu**; THALES DIS FRANCE SAS, Intellectual Property Department, 6, rue de la Verrerie, 92190 Meudon (FR). **LANKINEN, Mikko**; THALES DIS FRANCE SAS, Intellectual Property Department, 6, rue de la Verrerie, 92190 Meudon (FR). **DAVOINE, Laurent**; THALES DIS FRANCE SAS, Intellectual Property Department, 6, rue de la Verrerie, 92190 Meudon (FR). **MÖKSY, Jukka**; THALES DIS FRANCE SAS, Intellectual Prop-

erty Department, 6, rue de la Verrerie, 92190 Meudon (FR). **NURMINEN, Manu**; THALES DIS FRANCE SAS, Intellectual Property Department, 6, rue de la Verrerie, 92190 Meudon (FR). **MAJEWSKA, Anna**; THALES DIS FRANCE SAS, Intellectual Property Department, 6, rue de la Verrerie, 92190 Meudon (FR).

(74) Agent: **CASTELO, Jérôme**; THALES DIS FRANCE SAS, Intellectual Property Department, 6, Rue de la Verrerie, 92190 MEUDON (FR).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) Title: ENCODED INKJET COLORSHIFT

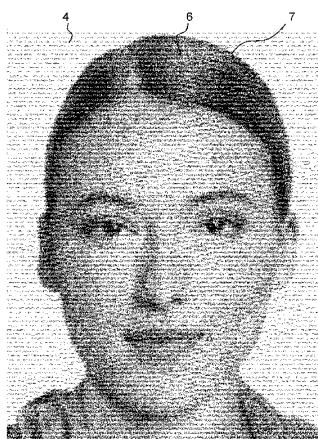


FIG. 11a

(57) Abstract: A data carrier (1) for a secure article such as a passport comprises a carrier body (2) and at least one security element (3) being provided on the carrier body (2). The security element (3) comprises at least one image (4) being printed on at least one surface structure (5) extending along an extension direction (E). The image (4) comprises at least one primary image (6) and at least one secondary image (7) being encoded in the primary image (6). The surface structure (5) is configured to decode the secondary image (7) when the data carrier (1) is viewed under different viewing angles and/or illuminated under different illumination angles, whereby the secondary image (7) becomes observable.

**(84) Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

— *of inventorship (Rule 4.17(iv))*

**Published:**

- *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*
- *with information concerning request for restoration of the right of priority in respect of one or more priority claims (Rules 26bis.3 and 48.2(b)(vii))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

**(48) Date of publication of this corrected version:**

09 January 2025 (09.01.2025)

**(15) Information about Correction:**

see Notice of 09 January 2025 (09.01.2025)