



US00D934574S

(12) **United States Design Patent** (10) **Patent No.:** **US D934,574 S**
Underwood et al. (45) **Date of Patent:** **** Nov. 2, 2021**

- (54) **FLAME RESISTANT FABRIC**
- (71) Applicant: **Elevate Textiles, Inc.**, Greensboro, NC (US)
- (72) Inventors: **Joey K. Underwood**, Greenville, SC (US); **Jacques A. Cantin**, Greenville, SC (US)
- (73) Assignee: **International Textile Group, Inc.**, Greensboro, NC (US)

D18,028 S *	1/1888 Meyer	D6/582
D40,992 S *	11/1910 Everest	D5/59
D41,581 S *	7/1911 Petzold	D6/582
D49,458 S *	7/1916 Sauer	D6/582
D55,907 S *	7/1920 Waldo	D6/582
D55,912 S *	7/1920 Waldo	D6/582
D74,351 S *	2/1928 Brown	D5/47
D77,707 S *	2/1929 Prizer	D19/5
D99,939 S *	6/1936 Hafner	D5/47

(Continued)

FOREIGN PATENT DOCUMENTS

(**) Term: 15 Years	EP	2644759	10/2013
	GB	2275934	9/1994

(Continued)

(21) Appl. No.: **29/739,129**

(22) Filed: **Jun. 23, 2020**

OTHER PUBLICATIONS

Related U.S. Application Data

(63) Continuation-in-part of application No. 16/665,142, filed on Oct. 28, 2019, which is a continuation of application No. 15/331,950, filed on Oct. 24, 2016, now abandoned.

Greek Key Fabric, 2021, found on Feb. 23, 2021, at <https://www.etsy.com/listing/640143247> (Year: 2021).*

(Continued)

(51) **LOC (13) Cl.** **05-05**

Primary Examiner — Karen S Acker

(52) **U.S. Cl.**

(74) *Attorney, Agent, or Firm* — Dority & Manning, P.A.

USPC **D5/58; D5/60**

(57) **CLAIM**

(58) **Field of Classification Search**

USPC ... D5/4, 5, 6, 26, 41, 43, 44, 46, 47, 54, 56, D5/58, 59, 61, 62, 99; D6/582, 602, 612, D6/613, 617; D19/1, 5; D20/27; D25/138, 149, 151, 157; D32/40; D11/178
CPC B44F 3/00; B44F 7/00; D03D 3/00; D03D 9/00; D06N 7/00; D21H 5/02; D21F 1/0027; D02G 3/22

The ornamental design for a flame resistant fabric, as shown and described.

DESCRIPTION

See application file for complete search history.

FIG. 1 is a top view of a flame resistant fabric according to the present design; and, FIG. 2 is a top view of an enlarged detail view of area 2 circumscribed within FIG. 1.

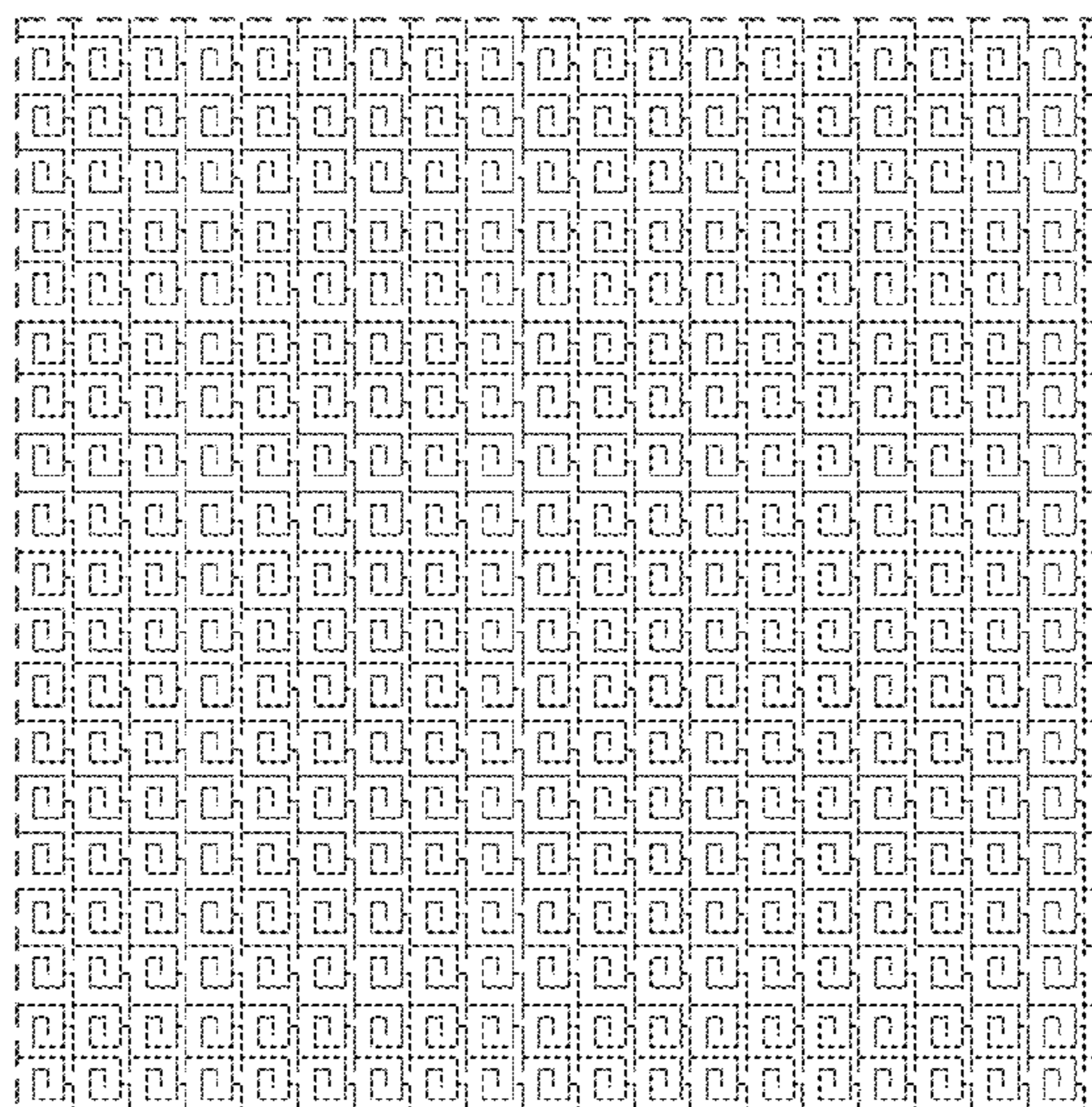
The broken lines surrounding FIGS. 1 and 2 depict the boundaries of the claim and form no part thereof. The broken lines within FIG. 1 and surrounding FIG. 2 denote the boundaries of the detail area and form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D6,120 S *	9/1872 Hutchison	D6/582
D11,913 S *	8/1880 Swapp	D5/58

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D168,838 S * 2/1953 Hamill D6/617
 D171,552 S * 2/1954 Peroske D5/47
 3,019,821 A 11/1955 White
 D185,623 S * 7/1959 Berg D19/5
 D189,774 S * 2/1961 Schuss D5/47
 D202,086 S * 8/1965 Broderick D5/59
 D217,573 S * 5/1970 Couve D19/5
 3,729,920 A 5/1973 Sayers et al.
 4,304,811 A 12/1981 David et al.
 4,749,378 A 6/1988 Cates et al.
 4,759,770 A 7/1988 Cates et al.
 4,927,698 A * 5/1990 Jaco D02G 3/443
 428/198
 5,299,602 A 4/1994 Barbeau et al.
 5,447,787 A * 9/1995 Shaffer D03D 15/00
 442/2
 5,858,888 A 1/1999 Underwood et al.
 5,928,971 A 7/1999 Ellis et al.
 6,065,153 A 5/2000 Underwood et al.
 6,132,476 A 10/2000 Lunsford et al.
 6,192,520 B1 2/2001 Underwood et al.
 6,247,179 B1 6/2001 Underwood et al.
 6,460,321 B1 10/2002 Koshimae et al.
 6,547,835 B1 4/2003 Lunsford et al.
 6,562,741 B1 * 5/2003 Lilani A41D 31/08
 442/301
 6,606,749 B2 8/2003 Underwood et al.
 6,624,096 B2 9/2003 Thomas et al.
 6,750,162 B2 6/2004 Underwood et al.
 6,818,024 B2 11/2004 Lunsford et al.
 6,867,154 B1 3/2005 Lunsford et al.
 6,886,184 B2 5/2005 Underwood et al.
 6,974,785 B1 12/2005 Barbeau et al.
 7,393,800 B2 7/2008 Corner
 D598,659 S * 8/2009 Brunelli D5/59
 7,581,260 B2 9/2009 Underwood et al.
 7,589,036 B2 9/2009 Corner et al.
 D609,420 S * 2/2010 Lafortezza D32/40
 7,811,952 B2 10/2010 Truesdale, III et al.
 7,862,865 B2 1/2011 Truesdale, III et al.
 D632,119 S * 2/2011 Service D6/582
 D634,556 S * 3/2011 Coffaro D5/61
 D635,782 S * 4/2011 Kennedy D5/57
 8,071,492 B2 12/2011 Hess et al.
 8,209,785 B2 7/2012 Underwood et al.
 8,528,120 B2 9/2013 Underwood et al.
 8,614,156 B2 12/2013 Hess et al.
 D701,399 S * 3/2014 Gatto A41D 31/065
 D6/606
 8,819,866 B2 9/2014 Underwood et al.

9,364,694 B2 6/2016 Underwood et al.
 D856,687 S * 8/2019 Camper D5/62
 2002/0026663 A1 3/2002 Underwood et al.
 2003/0040240 A1 2/2003 Thomas
 2003/0203690 A1 10/2003 Hess et al.
 2003/0228812 A1 12/2003 Stanhope et al.
 2004/0034905 A1 2/2004 Underwood et al.
 2004/0092187 A1 5/2004 Favier et al.
 2004/0152378 A1 8/2004 Stanhope et al.
 2005/0155131 A1 7/2005 Underwood et al.
 2005/0158559 A1 7/2005 Martin et al.
 2005/0186875 A1 8/2005 Lilani
 2006/0111000 A1 * 5/2006 Bascom B32B 5/022
 442/136
 2006/0154542 A1 7/2006 Underwood et al.
 2007/0072502 A1 3/2007 Underwood et al.
 2011/0049949 A1 3/2011 Basmaji et al.
 2011/0165807 A1 7/2011 Underwood et al.
 2011/0191949 A1 8/2011 Underwood et al.
 2011/0281097 A1 11/2011 Li et al.
 2012/0244772 A1 * 9/2012 Elder D03D 11/00
 442/203
 2012/0270456 A1 10/2012 Gstettner et al.
 2013/0008554 A1 1/2013 Fisher et al.
 2019/0078241 A1 * 3/2019 Rose A41D 31/065

FOREIGN PATENT DOCUMENTS

GB 2516134 1/2015
 WO WO 2011/050376 A1 5/2011

OTHER PUBLICATIONS

Zazzle Greek Key, 2015, found on Feb. 23, 2021 at https://www.zazzle.com/greek_key_black_and_white_fabric-256271060204761650 (Year: 2015).
 Duralite Fabric Information Including Morning Pride Press Release and Slides, 7 pages.
 Safety Components Data Sheet on ARMOR 5.5, one page.
 Safety Components Brochure on ARMOR 7.0, 34 pages.
 Properties of Armos Para-Aramid Fibres in Conditions of Use. Comparison with Other Para-Aramids, K.E. Perepelkin et al., Fibre Chemistry, vol. 33, No. 2, 2001, pp. 105-114.
 Abstract of JP 2009280942 dated Dec. 3, 2009, 2 pages.
 EP Application No. EP 16197548.7 International Search Report dated Dec. 5, 2017, 8 pages.
 David Griffiths: "dave's blog of art and programming", Dec. 22, 2104 (Dec. 22, 2014) Retrieved from the Internet: URL:<http://www.pawfal.org/dave/blog/2014/42/coding-wih-threads-frame-loom/> [retrieved on Mar. 29, 2017].

* cited by examiner

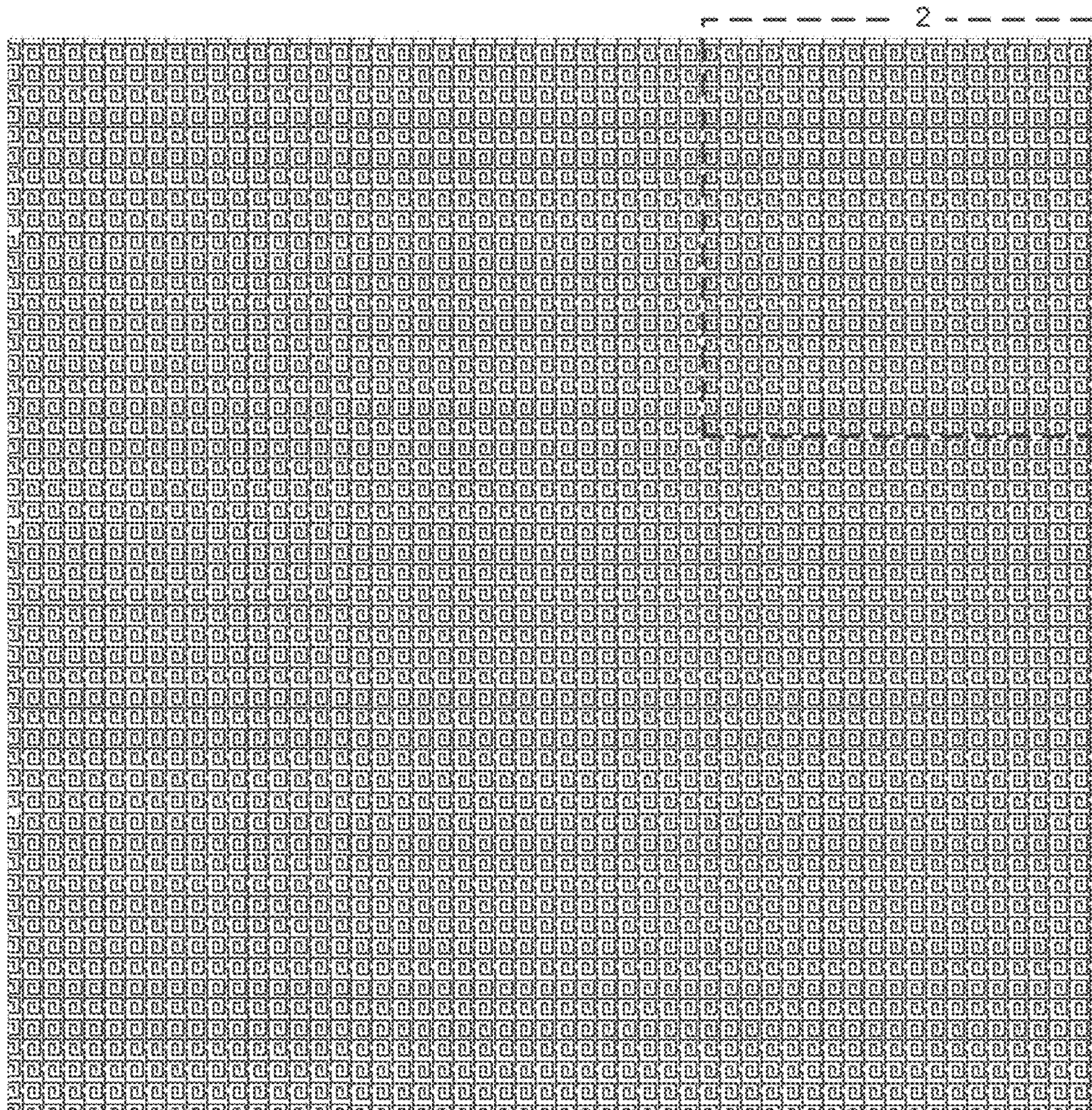


FIG. 1

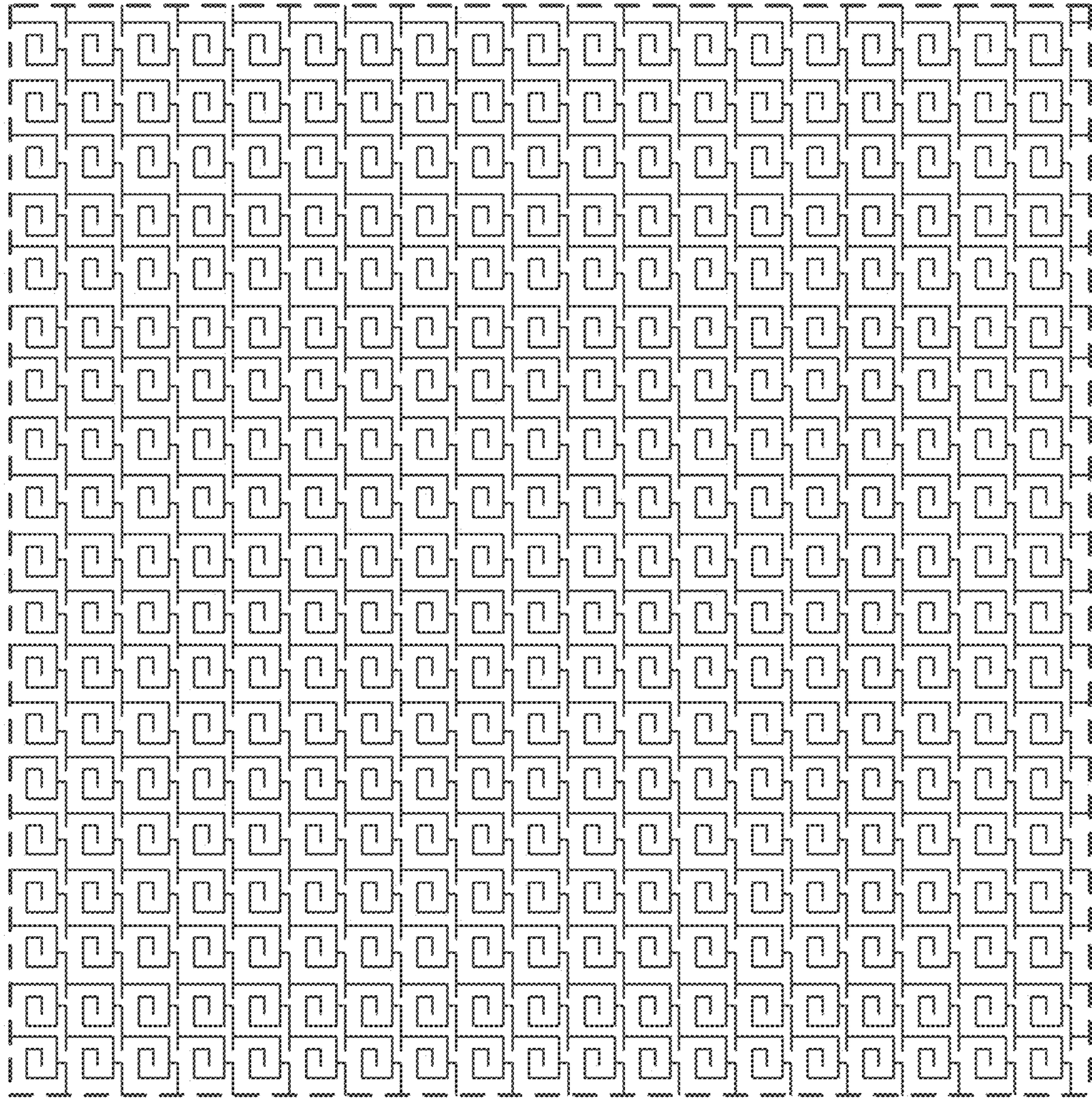


FIG. 2

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D934,574 S
APPLICATION NO. : 29/739129
DATED : November 2, 2021
INVENTOR(S) : Joey K. Underwood and Jacques A. Cantin

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Under Related U.S. Application Data (63): “Continuation-in-part of application No. 16/665,142, filed on Oct. 28, 2019, which is a continuation of application No. 15/331,950, filed on Oct. 24, 2016, now abandoned.”

Should read:

“Continuation-in-part of application No. 16/665,142, filed on Oct. 28, 2019, which is a continuation of application No. 15/331,950, filed on Oct. 24, 2016, now abandoned, which claimed priority to application No. 62/251,409, filed on Nov. 5, 2015.”

Signed and Sealed this
Fourth Day of January, 2022



Drew Hirshfeld
*Performing the Functions and Duties of the
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office*