



US00D904990S

(12) **United States Design Patent** (10) **Patent No.:** **US D904,990 S**
Ishii et al. (45) **Date of Patent:** **** Dec. 15, 2020**

(54) **CONDUCTIVE STICKER**

(56) **References Cited**

(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)

U.S. PATENT DOCUMENTS

(72) Inventors: **Satoshi Ishii**, Kanagawa Pref. (JP); **Yoshimasa Takeda**, Kanagawa Pref. (JP); **Shuichi Kitano**, Kanagawa Pref. (JP); **Osamu Ono**, Yamagata-Pref. (JP); **Ami Inoue**, Tokyo (JP); **Takeshi Kondo**, Aichi (JP); **Tatsuya Nakamura**, Saitama Pref. (JP)

D38,210 S *	8/1906	French	D5/47
D76,189 S *	8/1928	Heller	D5/49

(Continued)

FOREIGN PATENT DOCUMENTS

JP	2017001592	1/2017
JP	2017001593	1/2017

(Continued)

(73) Assignee: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)

Primary Examiner — Elizabeth J Oswecki

(74) *Attorney, Agent, or Firm* — Harold C. Knecht, III

(**) Term: **15 Years**

(57) **CLAIM**

(21) Appl. No.: **29/656,233**

The ornamental design for a conductive sticker, as shown and described.

(22) Filed: **Jul. 11, 2018**

DESCRIPTION

(30) **Foreign Application Priority Data**

Jan. 12, 2018 (JP) 2018-000436

(51) **LOC (12) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/182**

(58) **Field of Classification Search**
USPC D13/182, 123, 133, 184, 199, 101, 110, D13/154, 173, 121; D18/24; D20/17, D20/22; D19/12; D15/144.1, 144; D12/502, 516, 520, 548, 552, 583; D5/47, 56, 61
CPC ... H01B 1/24; H01B 1/06; H01B 1/04; H01B 1/02; H01B 1/023; H01B 1/14; H01B 1/16; H01B 1/18; H05K 1/0271; H05K 1/0274; H05K 1/00; H05K 1/02; H05K 1/11; H05K 1/0296; H05K 3/30; H05K 3/34; H05K 3/36; H05K 3/40; C08J 5/18; C08J 5/02; C08J 5/12; C08J 5/128; C08J 5/047; H01L

FIG. 1 is a perspective view of a conductive sticker, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a bottom view thereof;
FIG. 6 is a right view thereof;
FIG. 7 is a left view thereof;
FIG. 8 is an enlarged view of FIG. 6; and,
FIG. 9 is a cross sectional view taken along line 9-9 of FIG. 2.

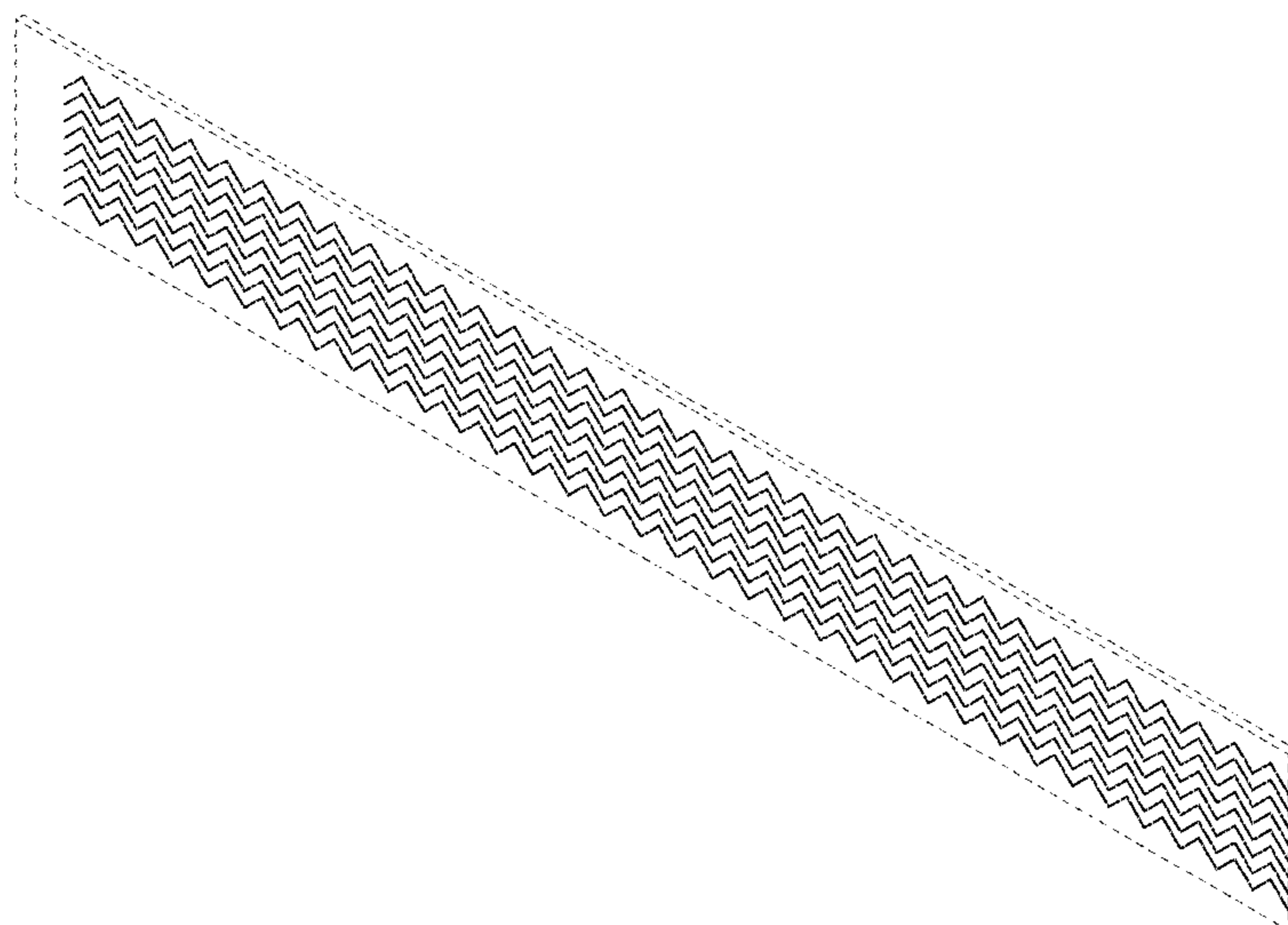
As the cut section of the cross sectional view in FIG. 9 are shown as small, thin solid lines, hatch shade lines have been omitted.

The claim is directed to only the zig zag solid lines and not to any surface portion of the broken line rectangle.

The even dashed broken lines shown in the drawings represent portions of the conductive sticker that form no part of the claimed design.

1 Claim, 3 Drawing Sheets

(Continued)



US D904,990 S

Page 2

- (58) **Field of Classification Search**
CPC 31/022491; H01L 29/04; H01L 31/036;
B60R 16/06; B62D 37/00; H03K 17/975
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D82,124 S * 9/1930 Benthuisen D5/56
D92,097 S * 4/1934 Lehner D6/582
D102,250 S * 12/1936 Bowker D5/56
D116,387 S * 8/1939 Sigoda D5/47
2,170,147 A * 8/1939 Lane B65D 73/02
206/447
D119,351 S * 3/1940 Tabin D5/56
D130,174 S * 10/1941 Rigney D5/47
D130,390 S * 11/1941 Tips D5/47
2,417,497 A * 3/1947 Hulslander, Sr. B65D 73/02
206/390
D166,635 S * 4/1952 Portong D5/53
D203,149 S * 12/1965 Reynolds D5/53
4,113,981 A * 9/1978 Fujita C09J 201/00
174/88 R
4,696,764 A * 9/1987 Yamazaki C09D 5/24
106/1.12
D312,174 S * 11/1990 Pancaldi D5/26
D317,084 S * 5/1991 Cerny D5/47
5,800,685 A * 9/1998 Perrault A01N 25/10
204/291
D472,055 S * 3/2003 Ki D5/56
6,710,261 B2 * 3/2004 Takebe H05K 3/463
174/255
6,982,489 B2 * 1/2006 Wakiyama H01L 25/0655
257/778

D543,160 S * 5/2007 Mitsui D13/182
7,524,893 B2 * 4/2009 Terada C08G 59/42
252/512
D611,255 S * 3/2010 Ko D5/56
D613,690 S * 4/2010 Kuriki D13/133
D615,927 S * 5/2010 Kuriki D13/133
D649,900 S * 12/2011 Landsman A61B 5/6831
D11/1
D701,182 S * 3/2014 Plant D13/182
D723,214 S * 2/2015 Wang D26/152
D734,916 S * 7/2015 Turner D2/717
9,468,092 B2 * 10/2016 Sawada C08J 7/0427
D793,093 S * 8/2017 Rowbottom D5/7
9,734,930 B2 * 8/2017 Kim C08K 3/40
D799,130 S * 10/2017 Cornelius D32/40
D826,872 S * 8/2018 Ishikawa D13/182
10,053,588 B2 * 8/2018 Hatakeyama C08F 220/24
D834,547 S * 11/2018 Ishikawa D13/182
10,176,903 B2 * 1/2019 Sekitani H01L 29/66742
10,273,361 B2 * 4/2019 Choi C08L 51/06
10,319,490 B2 * 6/2019 Sugita C08L 91/00
D852,515 S * 7/2019 Toelke D5/60
10,388,422 B2 * 8/2019 Feng H01B 1/24
D863,786 S * 10/2019 Milenovich D5/56
D863,787 S * 10/2019 Milenovich D5/56
2011/0062146 A1 * 3/2011 Kuriki H05B 3/84
219/553
2011/0089160 A1 * 4/2011 Kuriki G06F 3/044
219/553

FOREIGN PATENT DOCUMENTS

JP D1592377 12/2017
JP D1592378 12/2017
WO WO 2015/064195 5/2015

* cited by examiner

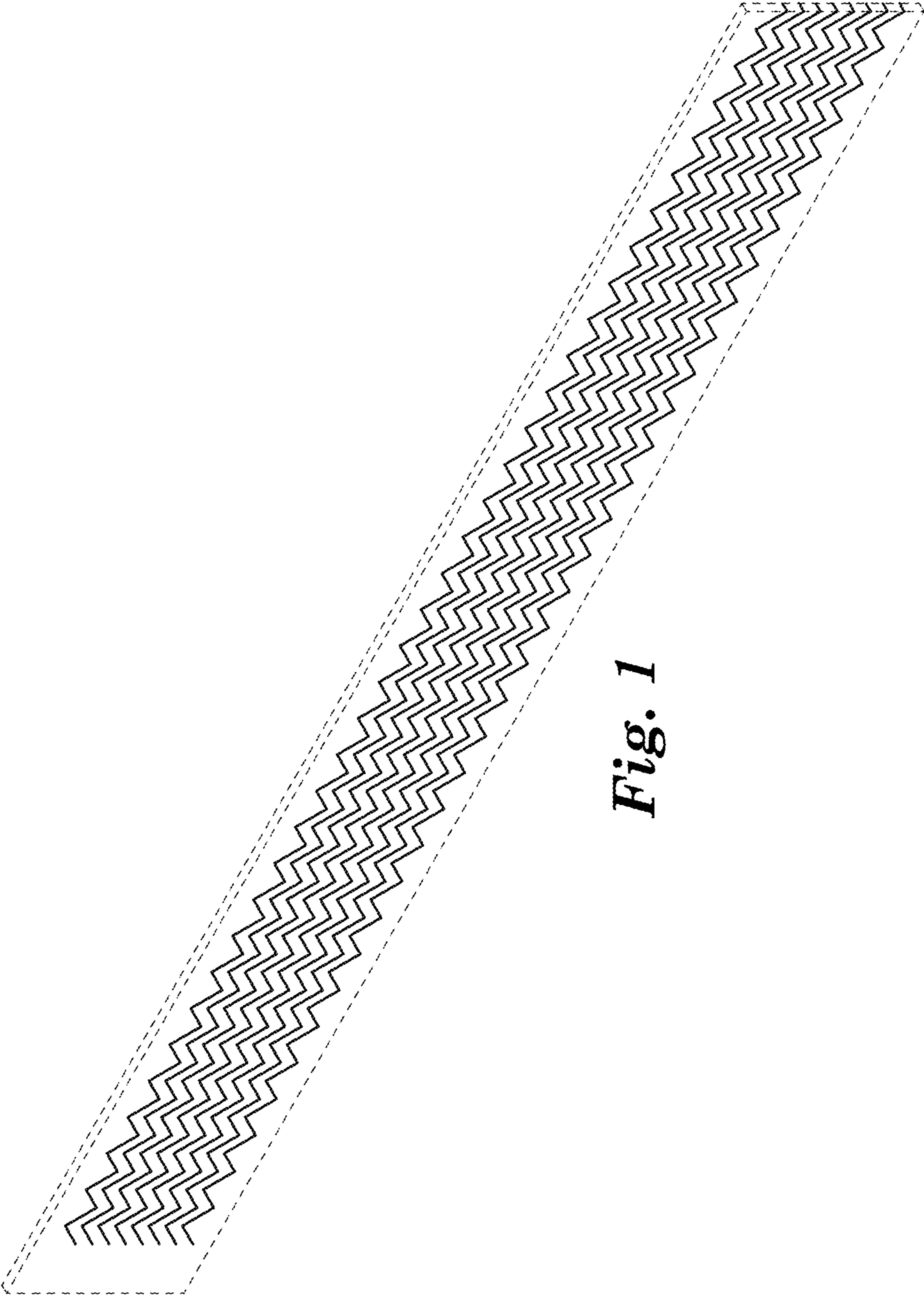


Fig. 1

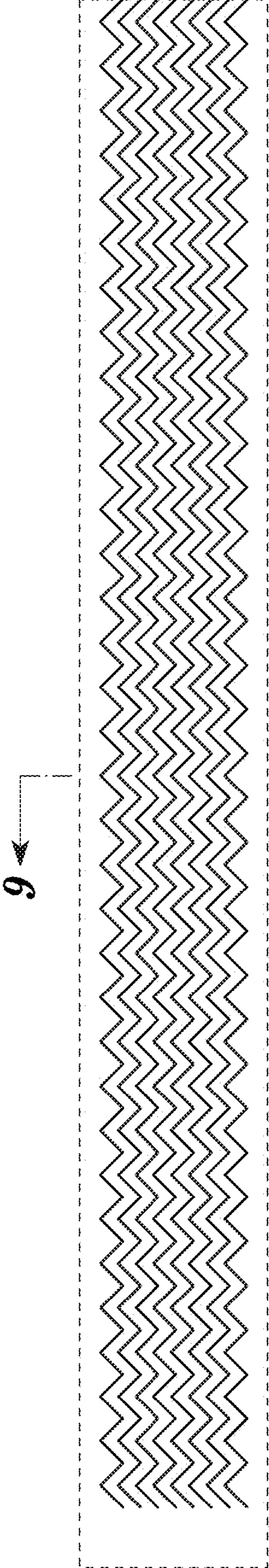


Fig. 2

9

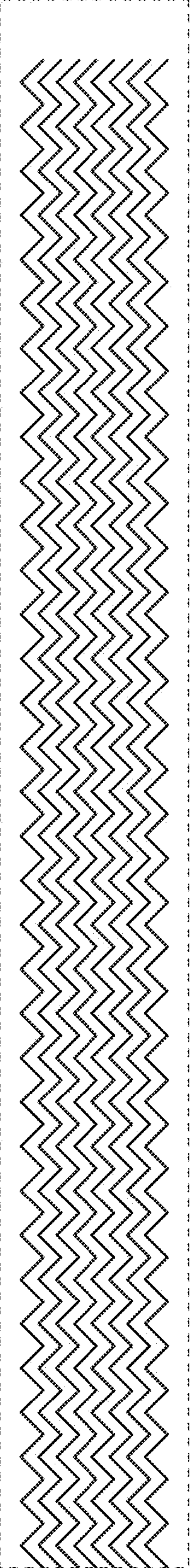


Fig. 3

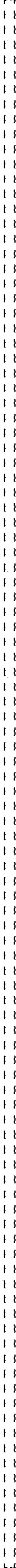


Fig. 4

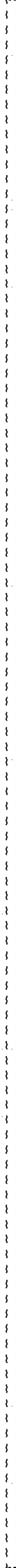


Fig. 5

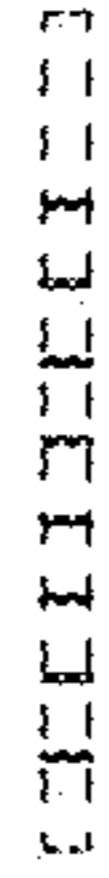


Fig. 6

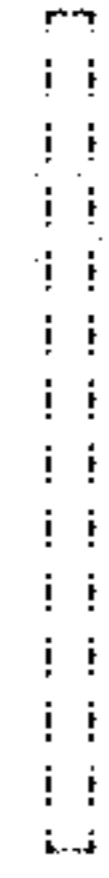


Fig. 7

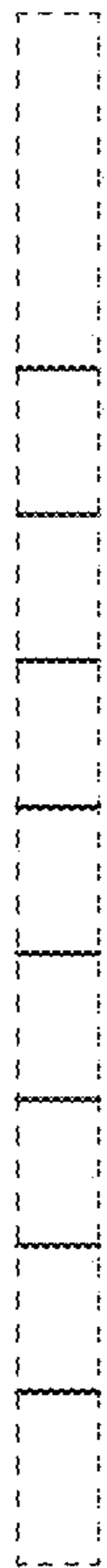


Fig. 8



Fig. 9