



US00D890174S

(12) **United States Design Patent** (10) **Patent No.:** **US D890,174 S**
Näs (45) **Date of Patent:** **** Jul. 14, 2020**

(54) **DISPLAY PANEL WITH GRAPHICAL USER INTERFACE**

(71) Applicant: **Tomra Systems ASA**, Asker (NO)

(72) Inventor: **Silje Sandahl Näs**, Asker (NO)

(73) Assignee: **TOMRA SYSTEMS ASA**, Asker (NO)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/645,788**

(22) Filed: **Apr. 30, 2018**

(30) **Foreign Application Priority Data**

Nov. 2, 2017 (WO) 5251501

(51) **LOC (12) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/374**

(58) **Field of Classification Search**

USPC D14/150, 247, 320, 331, 333, 346, 374,
D14/387, 390-399, 429, 455, 456, 258,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D155,871 S * 11/1949 Broun D10/108
2,525,769 A * 10/1950 Bruns B66B 1/462
327/518

(Continued)

FOREIGN PATENT DOCUMENTS

CN 302931330 * 9/2014
EM 001940263-0003 * 11/2011

(Continued)

OTHER PUBLICATIONS

Nav-Pad Audio Processor with brochure, Storm Interface, storm-interface.com, author not listed, posted on Mar. 29, 2017 per

wayback machine © not listed, online, site visited Aug. 6, 2019. Available from Internet, URL: <http://www.storm-interface.com/nav-pad-8-keys-usb-interface-audio-processor.html> (Year: 2017).*

(Continued)

Primary Examiner — Marissa J Cash

Assistant Examiner — Altaira J Swangin

(74) *Attorney, Agent, or Firm* — Buchanan Ingersoll & Rooney PC

(57) **CLAIM**

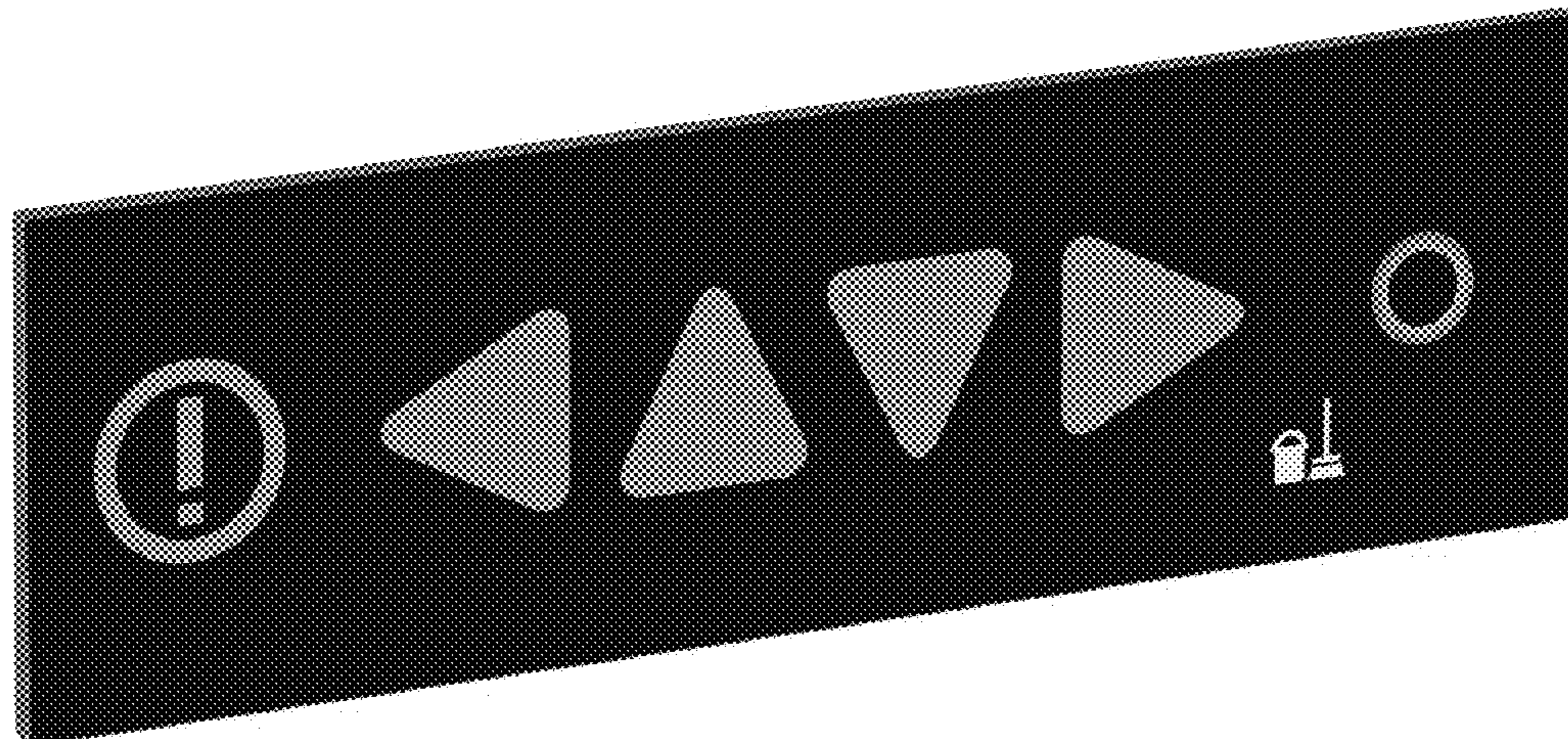
The ornamental design for a display panel with graphical user interface, as shown and described.

DESCRIPTION

The file of this patent contains at least one drawing/photograph executed in color. Copies of this patent with color drawing(s)/photograph(s) will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a perspective view of a display panel with graphical user interface showing my new design, with all indicator symbols illuminated for clarity of illustration; FIG. 2 is a front elevational view thereof; FIG. 3 is a left side elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a rear elevational view thereof; FIG. 8 is a front elevational view thereof with one indicator symbol illuminated in a first activity state; FIG. 9 is a front elevational view thereof with one indicator symbol illuminated in another activity state; FIG. 10 is a front elevational view thereof with one indicator symbol illuminated in another mode of operation; FIG. 11 is a front elevational view thereof with one indicator symbol illuminated in another activity state; FIG. 12 is a front elevational view thereof with one indicator symbol illuminated in another activity state; FIG. 13 is a front elevational view thereof with one indicator symbol illuminated in another activity state; and, FIG. 14 is a front elevational view thereof with one indicator symbol illuminated in another activity state.

(Continued)



The broken lines shown in the drawings depict portions of the display panel with graphical user interface that form no part of the claimed design. The appearance of the display panel with graphical user interface transitions between the images shown in FIGS. 8-14. No ornamental aspects are associated with the process or period in which one image transitions to another image.

**1 Claim, 4 Drawing Sheets
(3 of 4 Drawing Sheet(s) Filed in Color)**

(58) Field of Classification Search

USPC D14/376, 485-495, 505; D10/52-53,
D10/106.1, 106.95, 123, 125; 341/22-23;
345/104, 156, 168; D13/162-162.1,
D13/163-164, 171, 174; D21/324-325,
D21/329, 334-335, 385
CPC G06F 1/16; G06F 1/1616; H01R 35/02;
A63F 13/00; A63F 2300/1018; A63F
2300/1056; A63F 2009/2408; G07F
17/32; G07F 17/3209
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D186,890 S * 12/1959 Broun D10/108
3,952,837 A * 4/1976 Rice B66B 1/462
187/380
D317,137 S * 5/1991 Kulikowski D10/108
5,250,930 A * 10/1993 Yoshida G06F 3/0338
345/161
5,379,865 A * 1/1995 Berdich B66B 3/00
187/398
5,490,581 A * 2/1996 Warner B66B 3/00
187/395
5,565,661 A * 10/1996 Berdich B66B 3/00
187/395
5,627,341 A * 5/1997 Bernstein G08B 25/12
174/502
5,829,554 A * 11/1998 Benson B66B 1/466
187/414
D422,314 S * 4/2000 Tandberg D20/1
D461,782 S * 8/2002 Butler D13/171
7,152,715 B2 * 12/2006 Meyer B66B 1/462
187/391
D550,302 S * 9/2007 Luciano, Jr. D13/174
D550,303 S * 9/2007 Luciano, Jr. D13/174
D550,304 S * 9/2007 Luciano, Jr. D13/174
D558,277 S * 12/2007 Luciano, Jr. D13/174
D562,410 S * 2/2008 Mitchell D13/171
D583,778 S * 12/2008 Ohlert D13/171
D584,244 S * 1/2009 Ohlert D13/171
D587,215 S * 2/2009 Ohlert D13/171
D591,693 S * 5/2009 Ohlert D13/171
D607,417 S * 1/2010 Liu D13/164
D631,856 S * 2/2011 Altonen D13/168
D690,770 S * 10/2013 Sandahl D20/1
D701,785 S * 4/2014 Saikawa D10/108
D704,224 S * 5/2014 Kaku D14/505
D707,705 S * 6/2014 Folken D14/490
D714,232 S * 9/2014 Chambers D13/168
D714,741 S * 10/2014 O'Donnell D13/174

D718,783 S * 12/2014 Inose D14/487
D721,661 S * 1/2015 Lofberg D13/174
D730,364 S * 5/2015 Inose D14/485
D738,328 S * 9/2015 Altonen D13/168
D739,830 S * 9/2015 Spira D13/168
D743,351 S * 11/2015 Ringer D13/162
D743,988 S * 11/2015 Inose D14/486
9,193,564 B2 * 11/2015 Yuasa B66B 3/02
D752,096 S * 3/2016 Tursi D14/489
9,315,362 B2 * 4/2016 Felis B66B 3/002
D755,739 S * 5/2016 Altonen D13/168
D763,917 S * 8/2016 Lee D14/492
D764,420 S * 8/2016 Naka D13/171
D771,068 S * 11/2016 Lv D14/485
D771,575 S * 11/2016 Lohbeck D13/162.1
D778,948 S * 2/2017 Maccubbin D14/489
D786,299 S * 5/2017 Farrell D14/488
D792,453 S * 7/2017 Butcher D14/486
D795,271 S * 8/2017 Tegethoff D14/485
9,821,982 B2 * 11/2017 Lofberg B66B 1/462
D815,137 S * 4/2018 Coffman D14/487
D818,473 S * 5/2018 Inose D14/485
D831,046 S * 10/2018 Hashimoto D14/485
D836,661 S * 12/2018 Sakata D14/486
D849,758 S * 5/2019 Sakata D14/485
D854,548 S * 7/2019 Ro D14/485
D855,072 S * 7/2019 Salisbury D14/489
D856,288 S * 8/2019 Altonen D13/168
D861,035 S * 9/2019 Park D14/491
D861,725 S * 10/2019 Park D14/491
D879,132 S * 3/2020 Guzman D14/487
D882,588 S * 4/2020 Inose D14/485
10,621,113 B2 * 4/2020 Byrne H01R 13/516
10,627,643 B2 * 4/2020 Kokusho F21V 33/0052
2008/0112118 A1 * 5/2008 Osaka G05B 19/05
361/679.01
2013/0073770 A1 * 3/2013 Woltring G05B 19/0423
710/303
2016/0124758 A1 * 5/2016 Wang G06F 1/266
713/100
2019/0066433 A1 * 2/2019 Jadeja G07F 17/3209
2019/0354224 A1 * 11/2019 Keylian H03K 17/97

FOREIGN PATENT DOCUMENTS

NO 20110875-0003 * 2/2012
WO WO-D098590-001 * 5/2018
WO WO-D098590-002 * 5/2018
WO WO-D098590-003 * 5/2018
WO WO-D098590-004 * 5/2018

OTHER PUBLICATIONS

Membrane 1x4 Keypad #1332, Adafruit, adafruit.com, author not listed, posted on May 10, 2013 per wayback machine © Adafruit, online, site visited Aug. 6, 2019. Available from Internet, URL: <https://www.adafruit.com/product/1332> (Year: 2013).*
MultiPac Reverse Vending Machine, Tomra, tomra.com, author and date not listed © Tomra Systems AMA, online, site visited Jan. 10, 2020. Available from Internet, URL: <https://www.tomra.com/en/collection/reverse-vending/reverse-vending-machines/backroom/multipac> (Year: 2019).*
MultiPac Reverse Vending Machine, Tomra, youtube.com, published by Tomra on Apr. 18, 2012 © not listed, online, site visited Jan. 18, 2020. Available from Internet, URL: <https://www.youtube.com/watch?v=-heaoNTZaOg> (Year: 2012).*
Copending U.S. Appl. No. 29/645,782, filed Apr. 30, 2018.

* cited by examiner

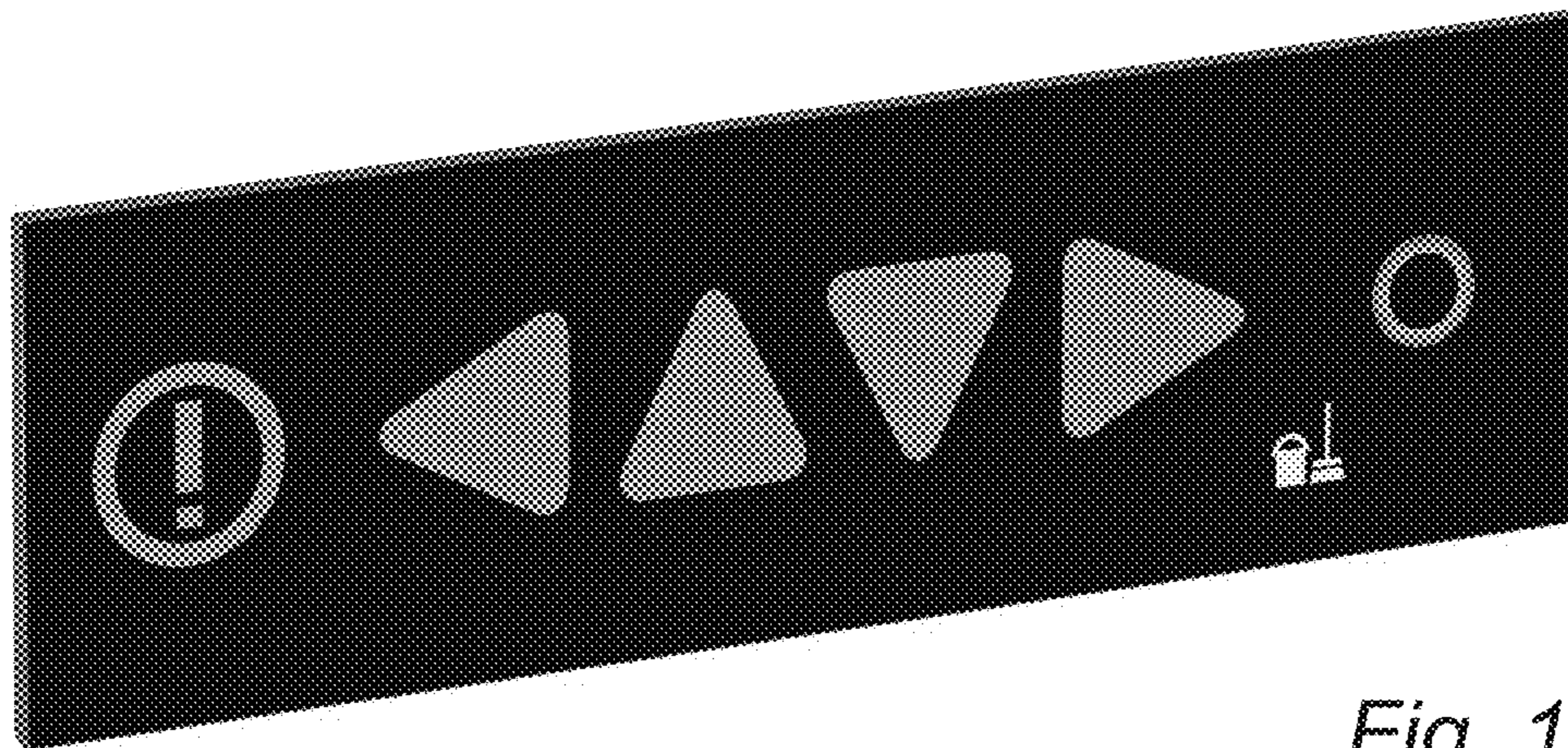


Fig. 1

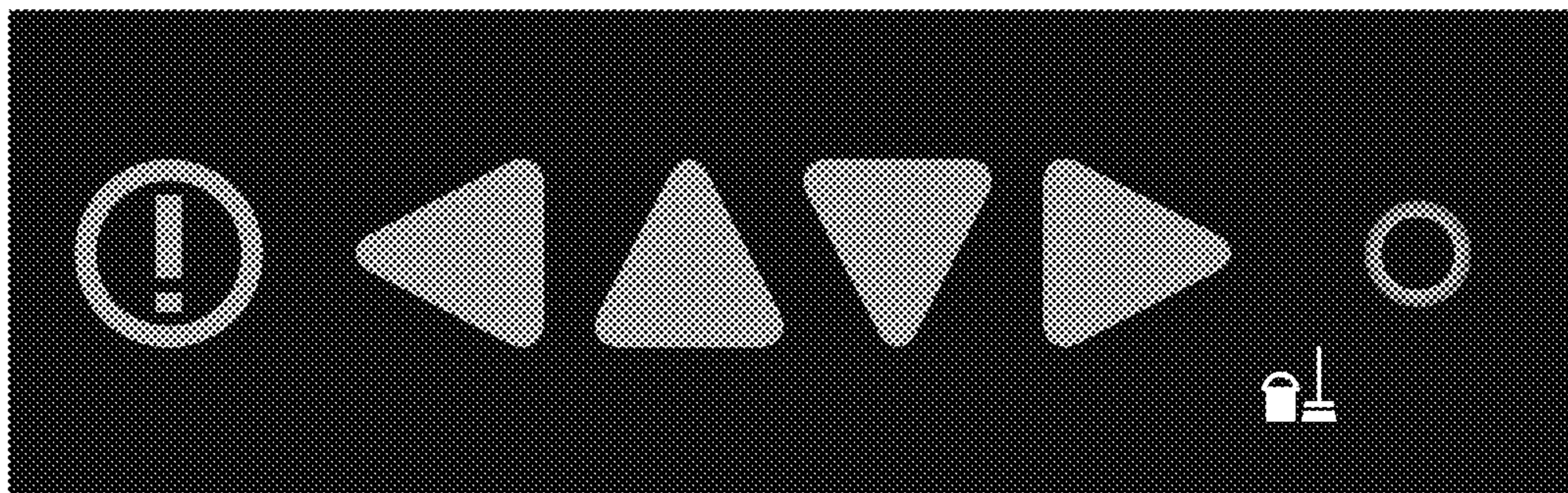


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

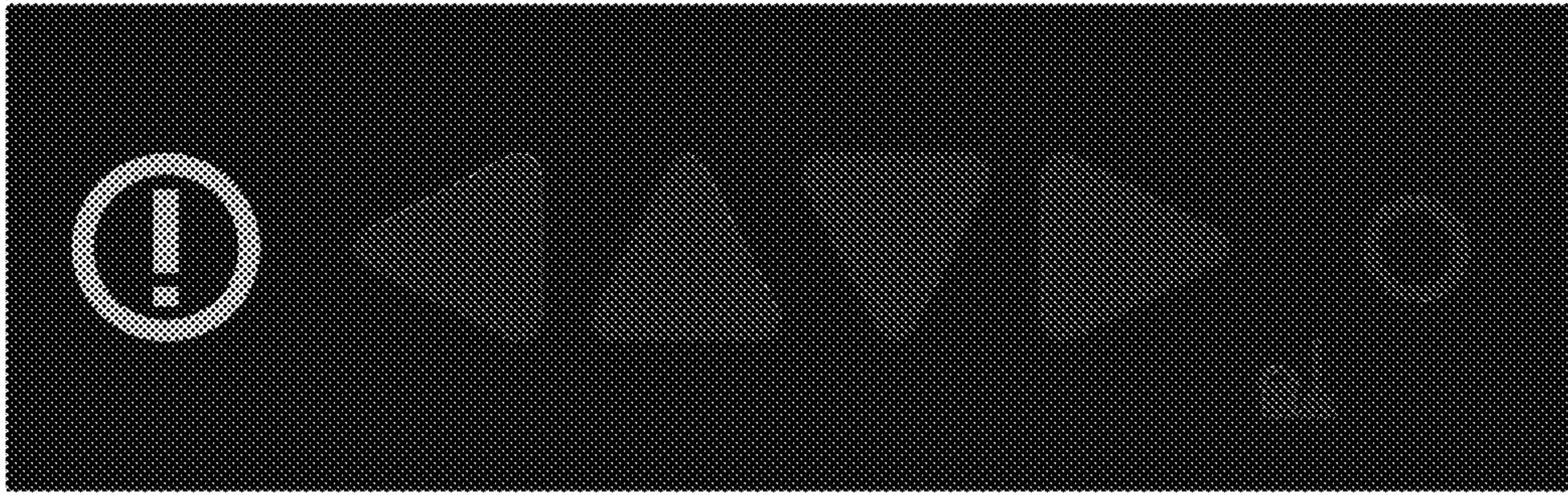


Fig. 8

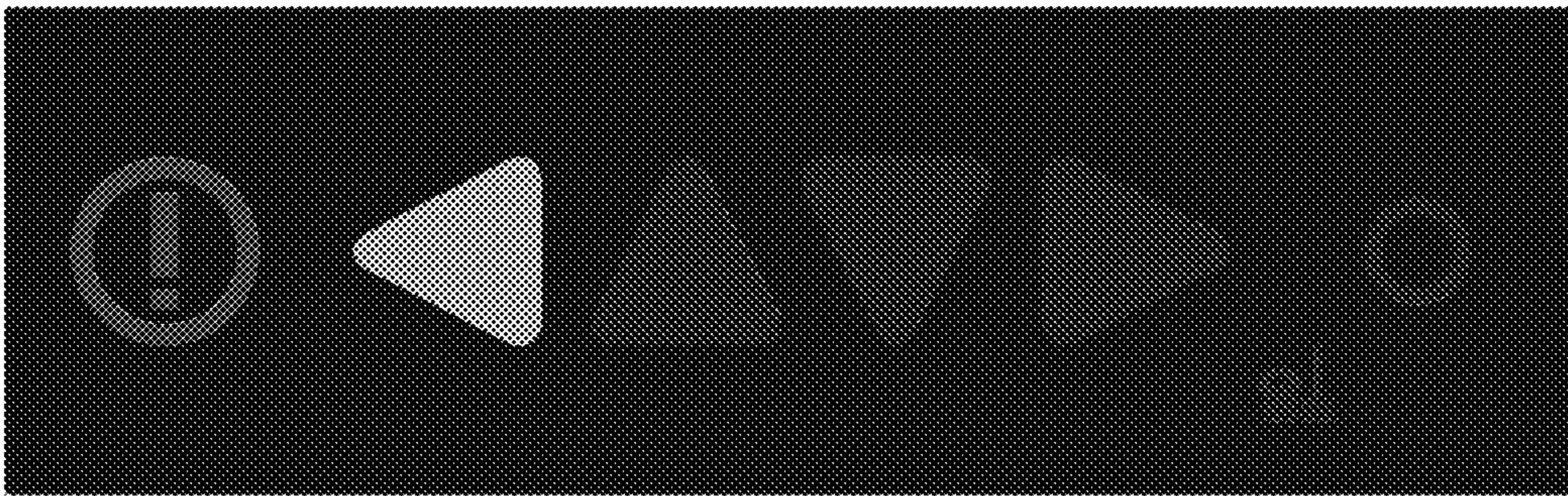


Fig. 9

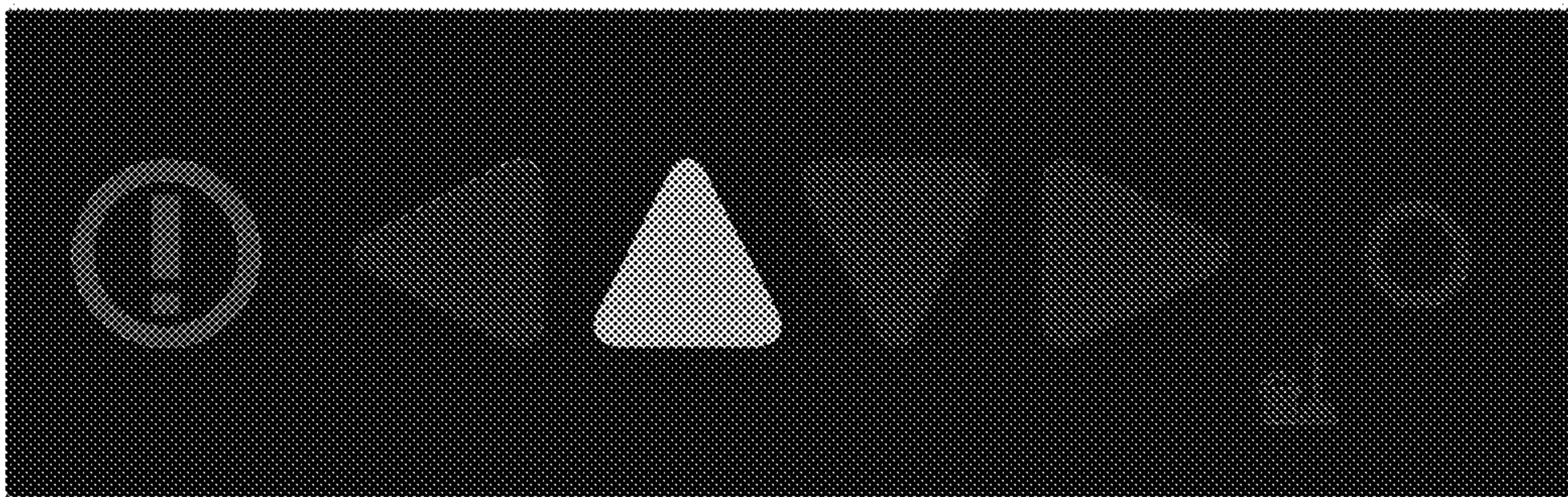


Fig. 10

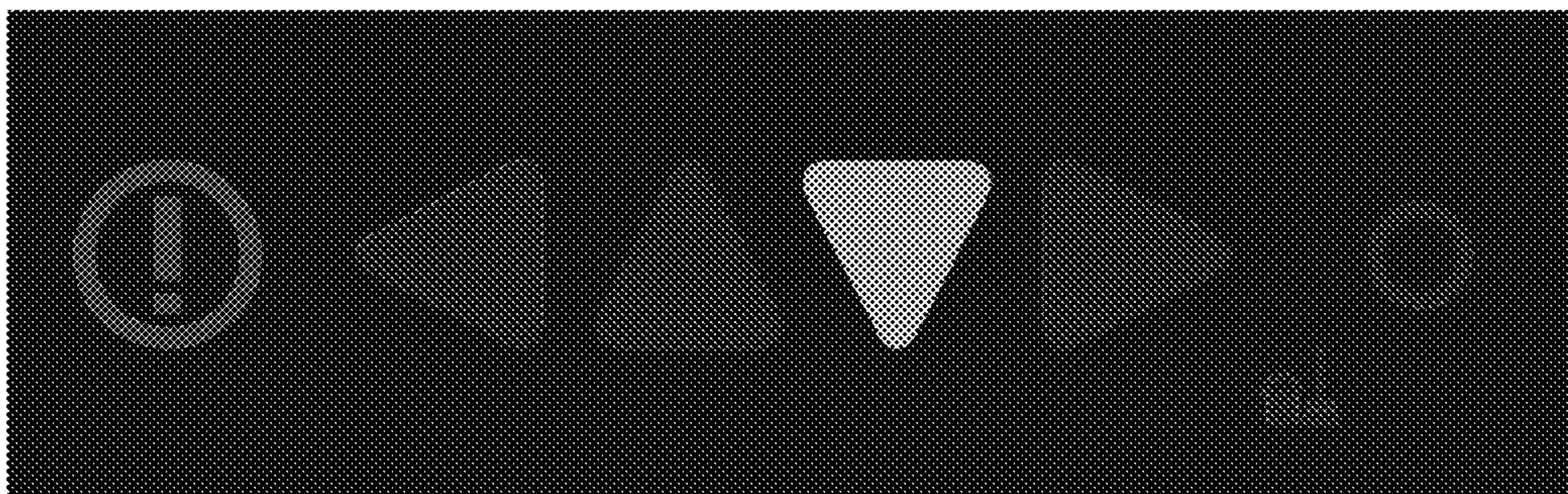


Fig. 11

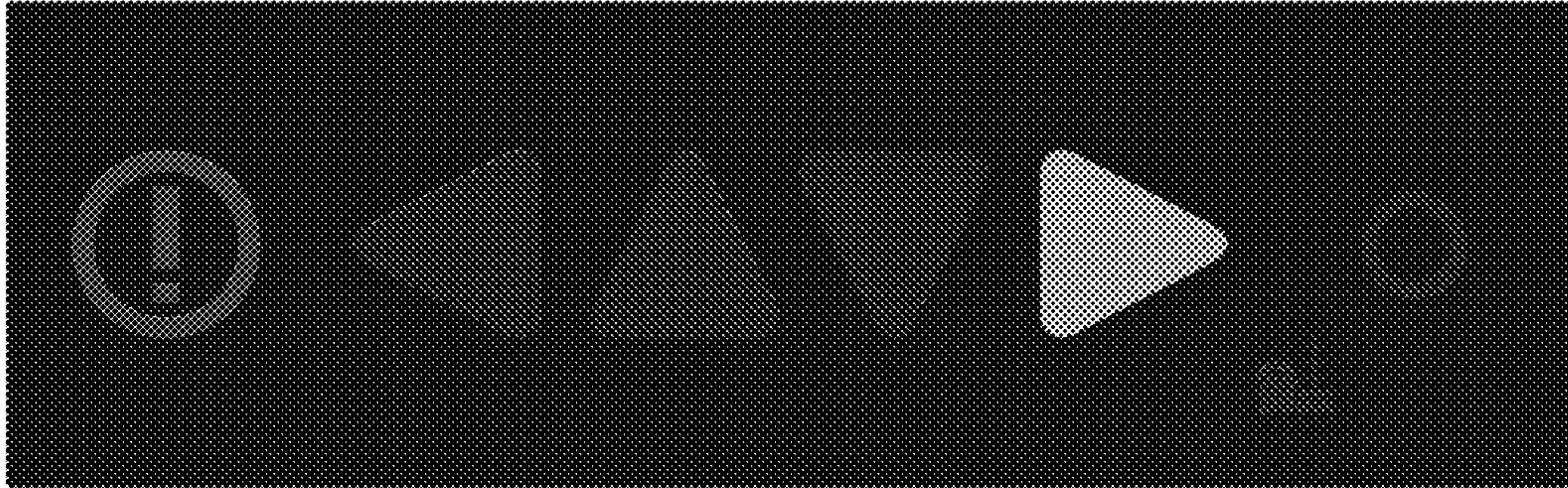


Fig. 12

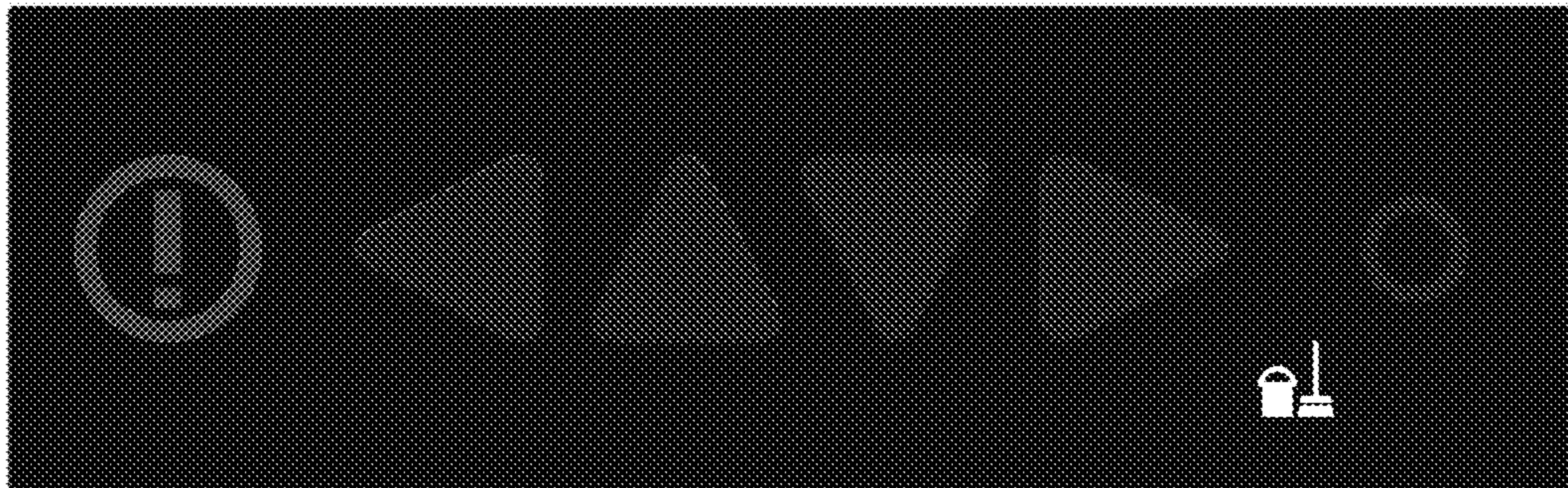


Fig. 13

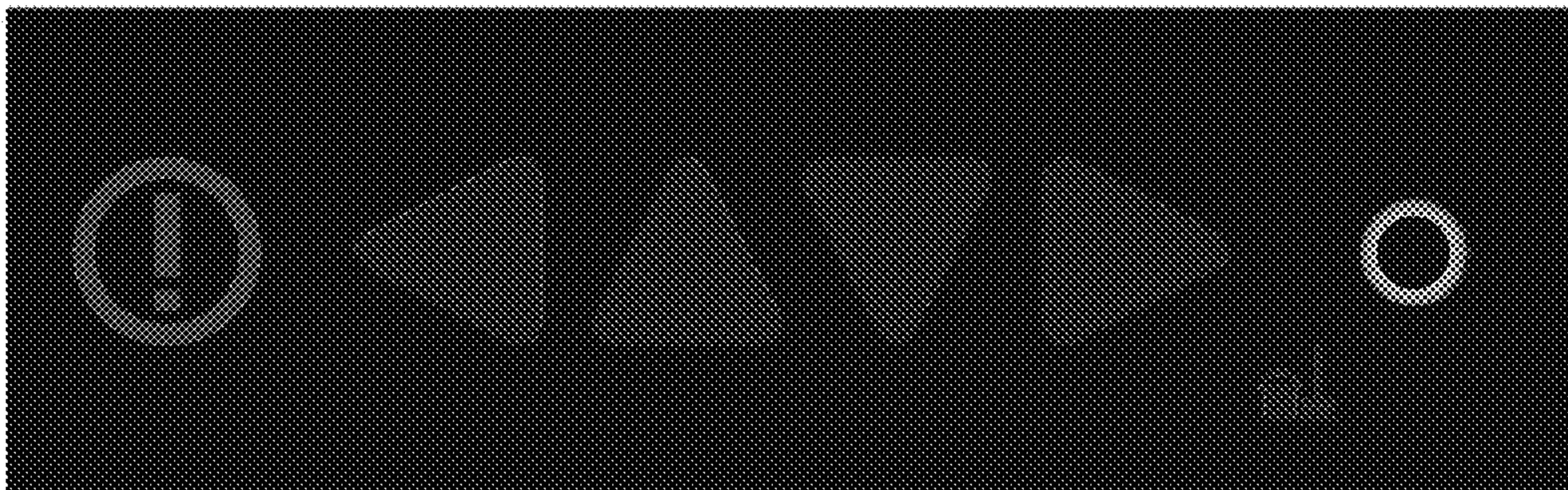


Fig. 14