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Hu et al.

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(54) **DISPLAY SCREEN OR PORTION THEREOF WITH A GRAPHICAL USER INTERFACE**

(71) Applicant: **Tangible Play, Inc.**, Palo Alto, CA (US)

(72) Inventors: **Felix Hu**, Palo Alto, CA (US); **Ariel Zekelman**, Palo Alto, CA (US); **Eric Uchalik**, Palo Alto, CA (US)

(73) Assignee: **Tangible Play, Inc.**, Palo Alto, CA (US)

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

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(52) **U.S. Cl.**
USPC **D14/485**

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USPC D14/485–495; D5/20, 26, 30, 40, 63–65; D20/10, 11, 22–33, 39, 40
CPC G06F 3/048–04897; G06F 2203/04802; G09B 19/0053; G09B 1/325; G09B 5/02; A63F 2300/308; A63F 13/53; H04M 1/72547; G01C 21/36; G06K 9/00671
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D310,185	S	8/1990	Tick	
D351,890	S	10/1994	Rasmusson	
D365,588	S	12/1995	Fernandez	
D409,895	S	5/1999	Schron, Jr. et al.	
6,175,954	B1	1/2001	Nelson et al.	
D476,555	S	7/2003	Niwa	
D535,869	S	1/2007	Brunsteter	
D543,986	S *	6/2007	Rimas-Ribikauskas	D14/485
D545,183	S	6/2007	French et al.	
D563,452	S	3/2008	Tan et al.	
D604,320	S *	11/2009	Hoefnagels	D14/488
7,777,899	B1	8/2010	Hildreth	
8,126,264	B2	2/2012	Kaftory et al.	
D658,977	S	5/2012	Riddell et al.	
8,274,535	B2	9/2012	Hildreth et al.	
D670,309	S *	11/2012	Vance	D14/486

(Continued)

FOREIGN PATENT DOCUMENTS

WO	2006027627	A1	3/2006

OTHER PUBLICATIONS

Strawbies—Demo Video, by Hu, YouTube [online], published on Mar. 15, 2015, [retrieved on Jan. 31, 2019], retrieved from the Internet <URL: https://www.youtube.com/watch?v=k79aB_qILdw> (Year: 2015).*

(Continued)

Primary Examiner — Cathron C Brooks
Assistant Examiner — Ian F Whitmore
(74) *Attorney, Agent, or Firm* — Patent Law Works LLP

(57) **CLAIM**

The ornamental design for a display screen or portion thereof with a graphical user interface, as shown and described.

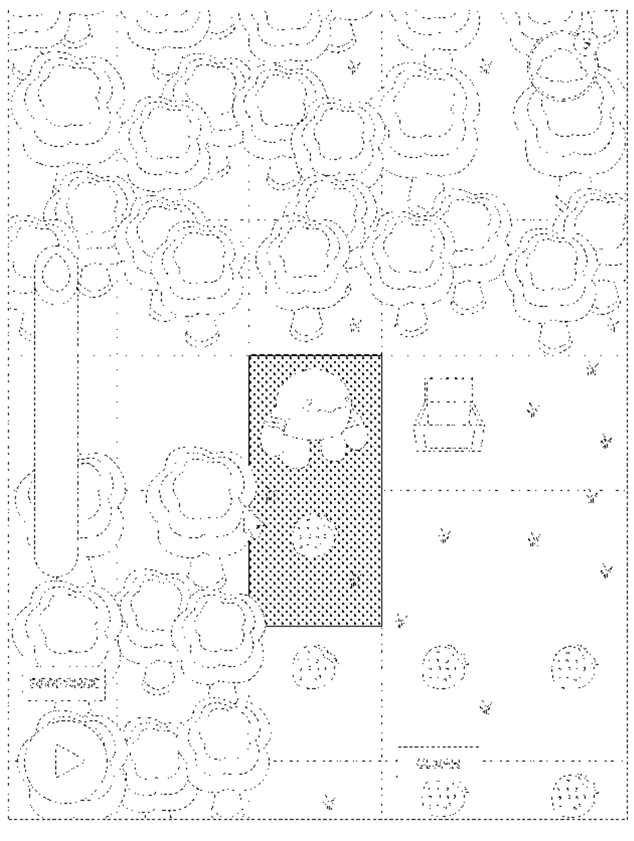
DESCRIPTION

FIG. **1** is a front view of a display screen or portion thereof with a graphical user interface showing a new design according to a first embodiment; and,

FIG. **2** is a front view of the display screen or portion thereof with a graphical user interface showing the new design according to a second embodiment.

Within the drawings, the outermost dashed broken-line perimeter illustrates a display screen or portion thereof and forms no part of the claimed design. The remaining dashed broken lines illustrate portions of a graphical user interface and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D682,463	S	5/2013	Bernard	
8,611,587	B2	12/2013	Horovitz	
8,624,932	B2	1/2014	Hildreth et al.	
8,635,547	B2 *	1/2014	Otsuka	G06F 3/0482 715/768
D716,362	S	10/2014	Generotti	
D726,804	S	4/2015	Voss	
9,158,389	B1	10/2015	Sharma et al.	
9,354,716	B1	5/2016	Sharma et al.	
D769,296	S *	10/2016	Grecia	D14/486
D779,538	S *	2/2017	Jin	D14/486
D830,373	S *	10/2018	Gupta	D14/485
D833,476	S *	11/2018	Louch	D14/488
D834,614	S *	11/2018	Stray	D14/492
D835,126	S *	12/2018	Sakata	D14/485
D838,288	S *	1/2019	Sunshine	D14/487
D852,830	S *	7/2019	Penacho	D14/486
D853,410	S *	7/2019	Barnett	D14/485
2009/0273560	A1	11/2009	Kalanithi et al.	
2009/0315740	A1	12/2009	Hildreth et al.	
2010/0066763	A1	3/2010	MacDougall et al.	
2010/0091110	A1	4/2010	Hildreth	
2011/0074696	A1 *	3/2011	Rapp	G06F 3/04845 345/173
2011/0298724	A1	12/2011	Ameling et al.	
2012/0244922	A1	9/2012	Horovitz	
2013/0321447	A1	12/2013	Horovitz et al.	
2017/0344127	A1 *	11/2017	Hu	G06F 3/0202

OTHER PUBLICATIONS

Windows 3.Fun: Getting Really Old Software Running on a 64-Bit PC, by Pot, makeuseof.com [online], published on Aug. 21, 2014, [retrieved on Jan. 31, 2019], retrieved from the Internet <URL: https://www.makeuseof.com/tag/windows-3-fun-getting-really-old-software-running-64-bit-pc/> (Year: 2014).*

Don't Tap Gray Tile, 148apps.com [online], published on Aug. 9, 2014, [retrieved on Jan. 31, 2019], retrieved from the Internet <URL: http://www.148apps.com/app/902475938/> (Year: 2014).*

Strawbies!—A Tangible Programming Game, tidal.northwestern.edu [online], published on or before Apr. 14, 2016, [retrieved on Jan. 31, 2019], retrieved from the Internet <URL: https://tidal.northwestern.edu/blog/strawbies/> (Year: 2016).*

Papert, "Mindstorms: Children, Computers, and Powerful Ideas," 1980 (11 pages).

Cuban, "Oversold and underused: Computers in the classroom," 2009 (258 pages).

McNerney, "From turtles to tangible programming bricks: explorations in physical Language design," Personal Ubiquit Computing, 2004 (12 pages).

Montemayor, et al., "Tools for Children to Create Physical Interactive StoryRooms," Computers in Entertainment, vol. 2, No. 1, 2004 (24 pages).

Schweikardt, et al., "The Robot is the Program: Interacting with roBlocks," 2008 (2 pages).

Wyeth, "How Young Children Learn to Program with Sensor, Action, and Logic Blocks," The Journal of the Learning Sciences, vol. 17, No. 4, Oct.-Dec. 2008 (35 pages).

Yardi, "Scratch: Programming for All," Communications of the ACM, vol. 52, No. 11, Nov. 2009 (8 pages).

Sipitakiat, et al., "Robo-Blocks: Desining Debugging Abilities in a Tangible Programming System for Early Primary School Children," 2012 (8 pages).

Horn, et al., "Tangible Interaction and Learning: the case for a hybrid approach," Personal Ubiquit Computing, 2012 (11 pages).

Pedersen, "Grab and Touch: Empirical Research on Tangible Computing and Touch Interaction," Nov. 2012 (75 pages).

Flannery, et al., "Designing ScratchJr: Support for Early Childhood Learning Through Computer Programming," 2013 (10 pages).

Chawla, et al., "Dr. Wagon: A 'stretchable' toolkit for tangible computer programming," 2013 (4 pages).

Weintrop, et al., "RoboBuilder: A Computational Thinking Game," 2013 (2 pages).

Sapounidis, et al., "Tangible versus graphical user interfaces for robot programming: exploring cross-age children's preferences," 2013 (12 pages).

Oh, et al., "The Digital Dream Lab: Tabletop Puzzle Blocks for Exploring Programmatic Concepts," 2013 (6 pages).

Horn, "The Role of Cultural Forms in Tangible Interaction Design," 2013 (8 pages).

Horn, et al., "Translating Roberto to Omar: Computational Literacy, Stickerbooks, and Cultural Forms," 2013 (8 pages).

Wikipedia, "Tangible user interface," retrieved from http://en.wikipedia.org/w/index.php?title=Tangible_user_interface&oldid=549052909 Apr. 2, 2014 (5 pages).

Hu, et al., "Strawbies: Explorations in Tangible Programming," 2015 (4 pages).

International Search Report and Written Opinion, dated Aug. 27, 2015, in PCT/US2015/032041 (14 pages).

Horn, "Topcodes: Tangible Object Placement Codes," retrieved from http://users.eecs.northwestern.edu/~mhom/topcodes/ Sep. 9, 2016 (2 pages).

McNerney, "Tangible Programming Bricks: An approach to making programming accessible to everyone," Jun. 1983 (86 pages).

Horn, et al., "Designing Tangible Programming Languages for Classroom Use," 2007 (4 pages).

"A robot teaching kids code & computer programming," retrieved from www.primotoys.com Jun. 9, 2016 (8 pages).

"Toys for learning about technology. Playfully!" KinderLab Robotics, retrieved from http://kinderlabrobotics.com Jun. 9, 2016 (2 pages).

"Project Bloks—Research," retrieved from http://projectblocks.withgoogle.com/research/ Sep. 9, 2016 (9 pages).

* cited by examiner

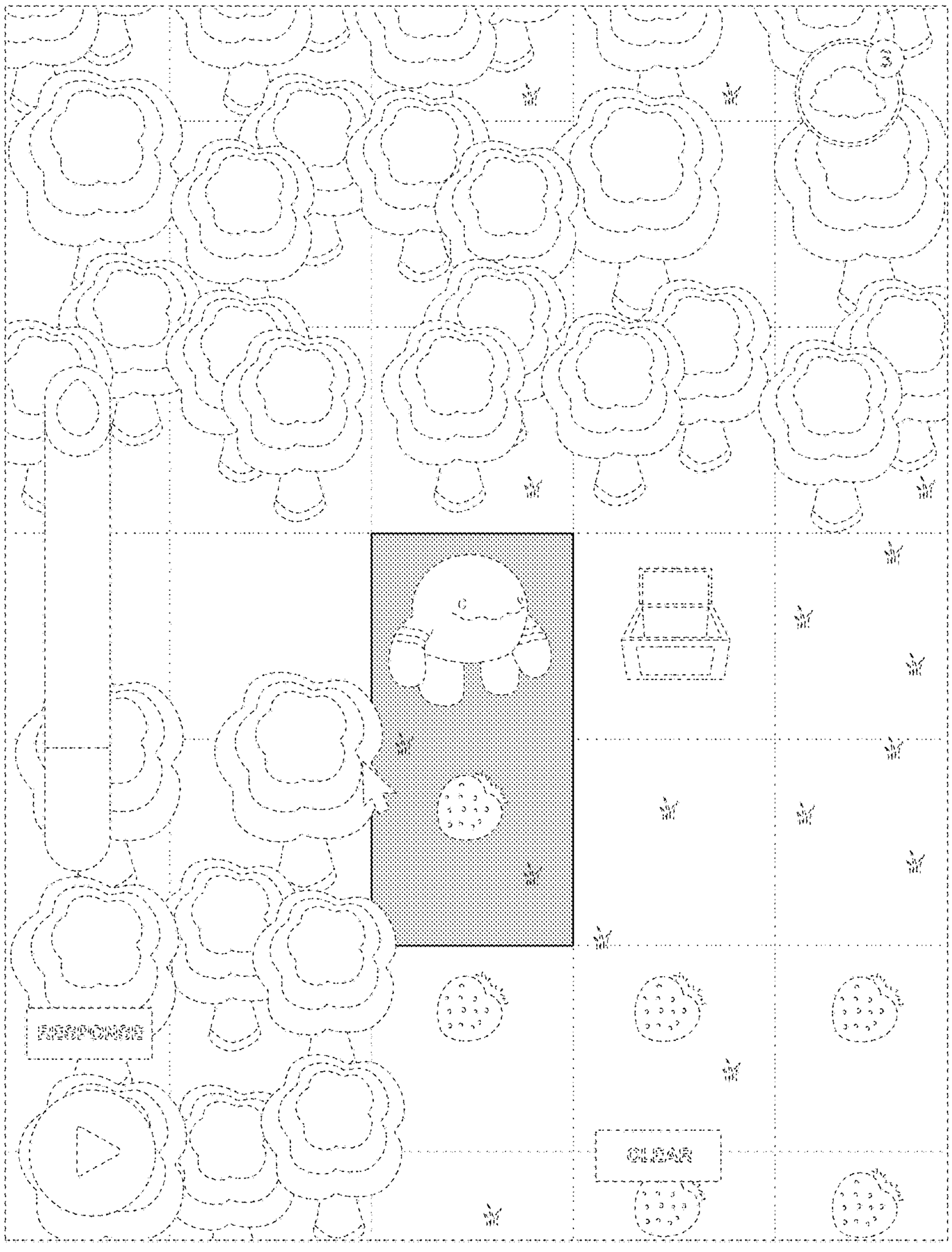


Figure 1

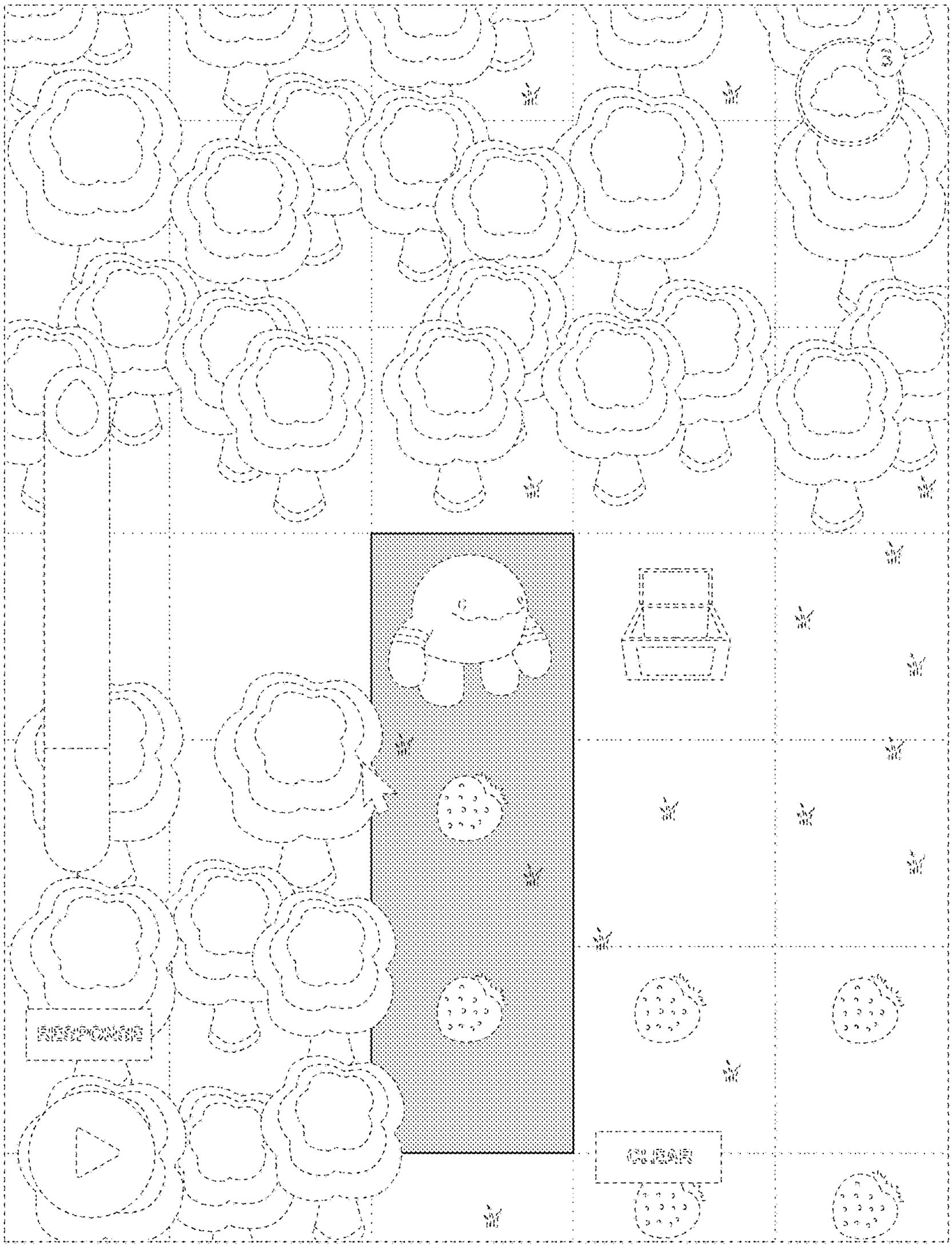


Figure 2