



US00D951791S

(12) **United States Design Patent**
Rose et al.

(10) **Patent No.:** **US D951,791 S**

(45) **Date of Patent:** **** May 17, 2022**

(54) **HVAC CONTROL DEVICE**

(71) Applicant: **GOOGLE LLC**, Mountain View, CA (US)

(72) Inventors: **Mark Rose**, San Jose, CA (US);
Giancarlo Giustina, San Francisco, CA (US); **Sung Kyun Bai**, San Jose, CA (US); **PeiWen Hung**, Taipei (TW); **Chou Wen-Pin**, New Taipei (TW); **Kevin Montford Ting**, Atherton, CA (US); **Peter Privitera**, San Francisco, CA (US); **Marcus Albonico**, San Francisco, CA (US)

(73) Assignee: **GOOGLE LLC**, Mountain View, CA (US)

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

(21) Appl. No.: **29/733,738**

(22) Filed: **May 6, 2020**

Related U.S. Application Data

(63) Continuation of application No. 29/677,235, filed on Jan. 18, 2019, now Pat. No. Des. 885,208, which is a (Continued)

(30) **Foreign Application Priority Data**

Jan. 4, 2017 (EM) 003569169-0010

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/102; D10/103**

(58) **Field of Classification Search**
USPC D10/49, 50, 60, 102, 103, 132; D13/162, D13/162.1, 177, 184, 199
CPC . F23N 5/20; F23N 5/203; F23N 5/206; F23N 5/18; F23N 5/184; F23N 5/187; F23N 5/22; F23N 2025/12; F23N 2041/02; F24F 11/00; F24F 11/0012; F24F

11/0009; F24F 11/001; F24F 2011/0057; F24F 2011/0073; F24F 2011/0091; F24F 2011/0094; F24F 2011/0068; F24F 2011/0012; F24F 2011/0015; F24F 2011/0017; F21V 11/16; F21V 33/10; G05B 19/042; G05D 23/01; G05D 23/12; G05D 23/275; G05D 23/1902; G05D 23/1904; G05D 23/27502; G05D 23/27503; G05D 23/1919; G05D 23/19; (Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,224,078 A * 6/1993 Mallin G04B 45/0007 368/223
D347,584 S * 6/1994 Vogelpohl D10/49 (Continued)

Primary Examiner — Antoine Duval Davis
(74) *Attorney, Agent, or Firm* — Leason Ellis LLP

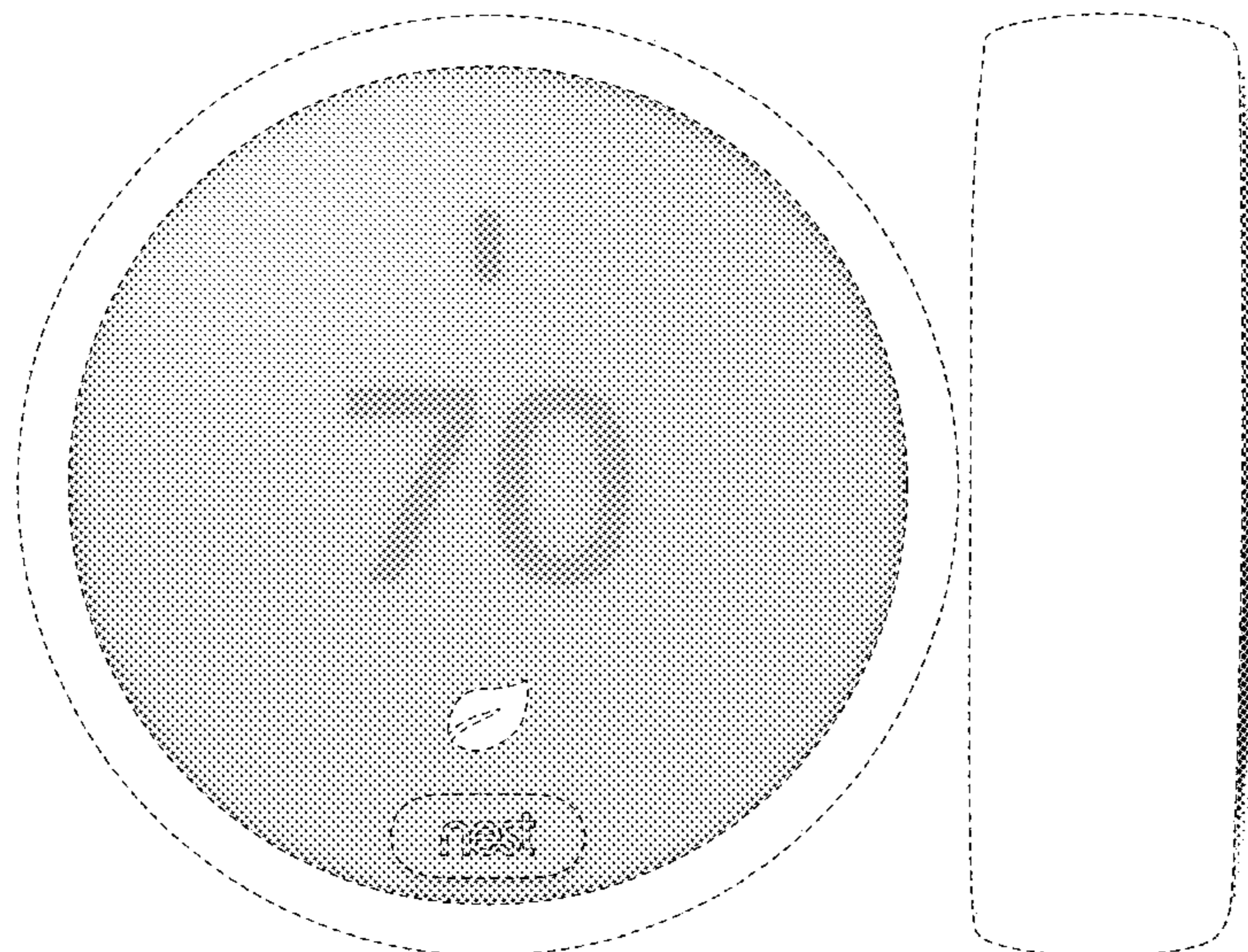
(57) **CLAIM**

The ornamental design for an HVAC control device, as shown and described.

DESCRIPTION

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee. FIG. 1 is a front elevational view of an HVAC Control Device showing our new design; and, FIG. 2 is a left-side elevational view thereof. The broken lines represent environmental structure, surface contour, and/or, if immediately adjacent the shaded areas, the bounds of the claimed design. The broken lines themselves form no part of the claimed design.

1 Claim, 2 Drawing Sheets
(1 of 2 Drawing Sheet(s) Filed in Color)



Related U.S. Application Data

continuation of application No. 29/609,553, filed on Jun. 30, 2017, now Pat. No. Des. 843,238.

(58) **Field of Classification Search**

CPC G05D 23/2723; G05D 23/00; G09F 13/22; G09F 9/53; G06F 1/1684; G06F 1/30; G06F 3/0362; G06F 3/038; H05B 33/0854; H05B 37/0218; H05K 5/0017; H05K 5/0243; H05K 5/00; H05K 5/03; H04M 2250/12; H04M 2250/22; E04F 21/00; E04F 21/003; E06B 3/667; E06B 3/6675; E06B 3/68; E06B 3/685; G01B 3/30; G01N 23/20; G01N 2035/00306; G01N 2035/00326; G01N 2035/10405; G01N 2201/022; G01N 2201/0227; G01N 2223/317; G01N 2223/318; H01J 1/32; H01J 1/54; H01J 1/88; A47F 3/12; A47F 3/005; Y10T 74/219; G01P 13/00; G01P 13/0006; G01P 13/0013; G01P 13/002; G01P 13/0026; G01P 13/0033; G01P 13/004; G01P 13/0046; G01P 13/0053; G01P 13/006; G01P 13/0066; G01P 13/0073; G01P 13/008; G01P 13/0086; G01P 13/0093; G01P 1/08; G08B 21/00; G08B 21/02; G08B 21/0202; G08B 21/0205; G08B 21/0208; G08B 21/0211; G08B 21/0213; G08B 21/0216; G08B 21/0219; G08B 21/0222; G08B 21/0225; G08B 21/0227; G08B 21/023; G08B 21/0233; G08B 21/0236; G08B 21/0238; G08B 21/0241; G08B 21/0244; G08B 21/0247; G08B 21/0252; G08B 21/0258; G08B 21/0261; G08B 21/0263; G08B 21/0266; G08B 21/0269; G08B 21/0272; G08B 21/0275; G08B 21/0277; G08B 21/028; G08B 21/0283; G08B 21/0286; G08B 21/0288; G08B 21/091; G08B 21/0194; G08B 21/0297; G08B 21/04; G08B 21/0407; G08B 21/0415; G08B 21/0423; G08B 21/043; G08B 21/0438; G08B 21/0466; G08B 21/0453; G08B 21/0461; G08B 21/0469; G08B 21/0476; G08B 21/0484; G08B 21/0492; G08B 21/06; G08B 21/08; G08B 21/082; G08B 21/084; G08B 21/086; G08B 21/088; G08B 21/10; G08B 21/12; G08B 21/14; G08B 21/16; G08B 21/18; G08B 21/182; G08B 21/185; G08B 21/187; G08B 21/20; G08B 21/22; G08B 21/24; G08B 21/245; G08B 23/00; G08B 13/00; G08B 13/02; G08B 13/04; G08B 13/06; G08B 13/08; G08B 13/10; G08B 13/12; G08B 13/122; G08B 13/124; G08B 13/126; G08B 13/028; G08B 13/14; G08B 13/1409; G08B 13/1418; G08B 13/1427; G08B 13/1436; G08B 13/1445; G08B 13/1454; G08B 13/1463; G08B 13/1472; G08B 13/1481; G08B 13/149; G08B 13/16; G08B 13/1609; G08B 13/1618; G08B 13/1627; G08B 13/1636; G08B 13/1645; G08B 13/1654; G08B 13/1663; G08B 13/1672; G08B 13/1681; G08B 13/169; G08B 13/18; G08B 13/181; G08B 13/183; G08B 13/184; G08B 13/186; G08B 13/187; G08B 13/189;

G08B 13/1895; G08B 13/19; G08B 13/191; G08B 13/194; G08B 13/196; G08B 13/19604; G08B 13/19606; G08B 13/19608; G08B 13/1961; G08B 13/19613; G08B 13/19615; G08B 13/19617; G08B 13/19619; G08B 13/19621; G08B 13/19623; G08B 13/19626; G08B 13/19628; G08B 13/1963; G08B 13/19632; G08B 13/19634; G08B 13/19636; G08B 13/19639; G08B 13/19641; G08B 13/19643; G08B 13/19645; G08B 13/19647; G08B 13/1965; G08B 13/19652; G08B 13/19654; G08B 13/19656; G08B 13/19658; G08B 13/1966; G08B 13/19663; G08B 13/19665; G08B 13/19667; G08B 13/19669; G08B 13/19671; G08B 13/19673; G08B 13/19676; G08B 13/19678; G08B 13/1968; G08B 13/19682; G08B 13/19684; G08B 13/19686; G08B 13/19689; G08B 13/19691; G08B 13/19693; G08B 13/19695; G08B 13/19697; G08B 13/20; G08B 13/22; G08B 13/24; G08B 13/2402; G08B 13/2405; G08B 13/2408; G08B 13/2411; G08B 13/2414; G08B 13/2417; G08B 13/2422; G08B 13/2425; G08B 13/2428; G08B 13/2431; G08B 13/2434; G08B 13/2437; G08B 13/244; G08B 13/2442; G08B 13/2445; G08B 13/2448; G08B 13/2451; G08B 13/2454; G08B 13/2457; G08B 13/246; G08B 13/2462; G08B 13/2465; G08B 13/2468; G08B 13/2471; G08B 13/2474; G08B 13/2477; G08B 13/248; G08B 13/2482; G08B 13/2485; G08B 13/2488; G08B 13/2491; G08B 13/2494; G08B 13/2497; G08B 13/26; B60N 2/0232; B60N 2002/0236; B60K 35/00; B60K 2350/00-2350/967; B60K 37/00-37/06; G01D 7/00-12; G01D 5/145; G01D 11/24; G01D 11/245; G01D 4/00-4/08; G01F 1/06-1/125; G01F 11/267; G01F 23/18; G01F 23/185; G01F 15/06-15/068; G01F 15/14; G06M 1/02; G06M 1/22; G06M 1/24; G06M 1/241; G06M 1/243; G06M 1/245; G06M 1/346

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D367,829 S * 3/1996 Takigawa A61K 8/46
D10/132
D447,964 S * 9/2001 Kompa A61K 8/46
D10/103
7,384,899 B2 * 6/2008 Schneider A61K 8/46
510/131
7,592,923 B2 * 9/2009 Lax G08B 7/066
340/500
8,371,164 B2 * 2/2013 Sneek G02B 1/14
73/431
8,448,507 B2 * 5/2013 Salmi G01W 1/00
73/170.16
8,489,243 B2 * 7/2013 Fadell F24F 11/63
700/277

(56)

References Cited

U.S. PATENT DOCUMENTS

8,532,827 B2 *	9/2013	Stefanski	G01J 5/041 700/276
D700,075 S *	2/2014	Bould	G01J 5/041 D10/49
9,256,230 B2 *	2/2016	Matsuoka	G05B 19/106
D783,422 S *	4/2017	Kashimoto	D10/50
D819,460 S *	6/2018	Fadell	G05B 15/02 D10/50
D823,146 S *	7/2018	Minchilli	D10/49

* cited by examiner

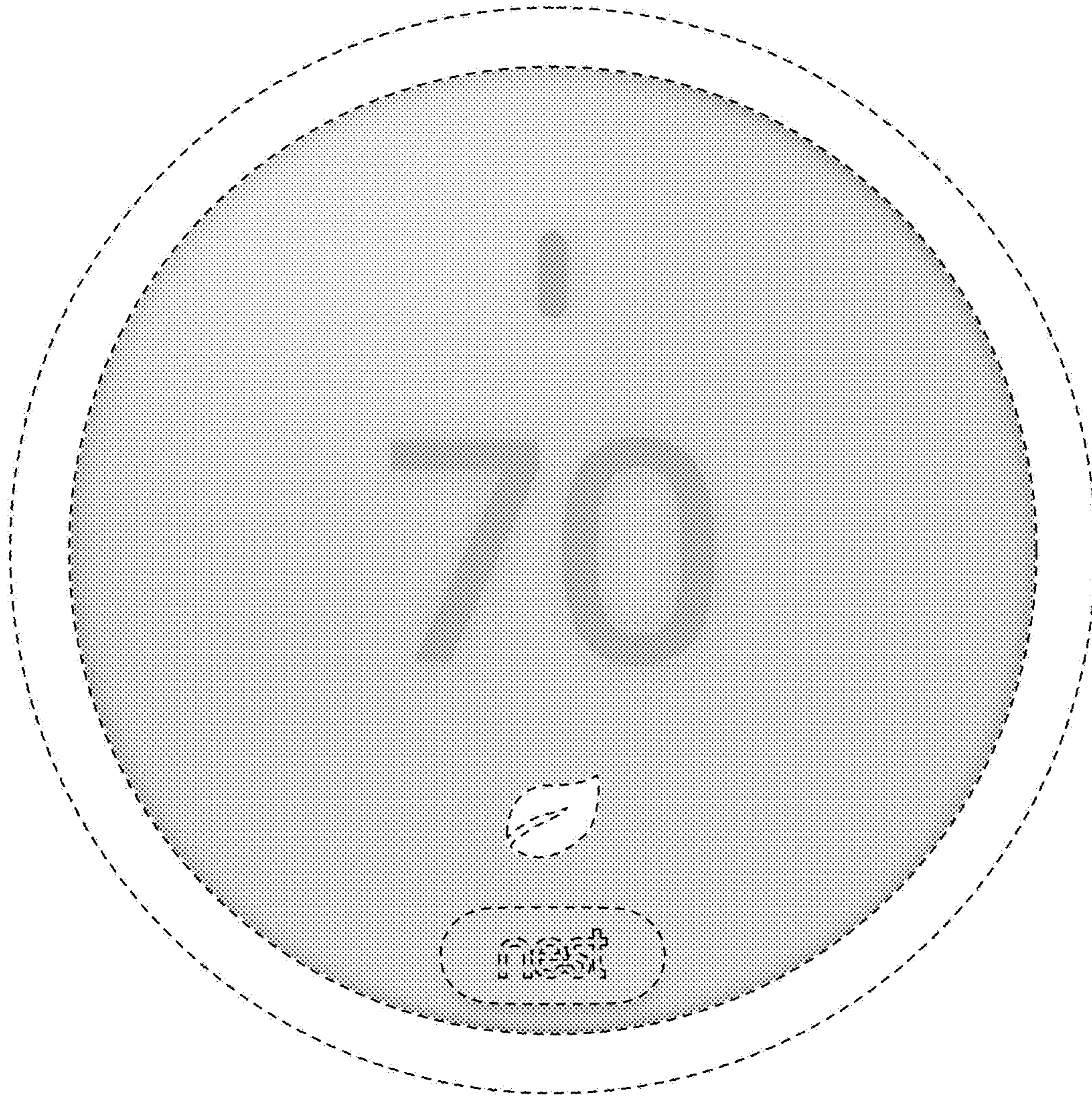


FIG. 1

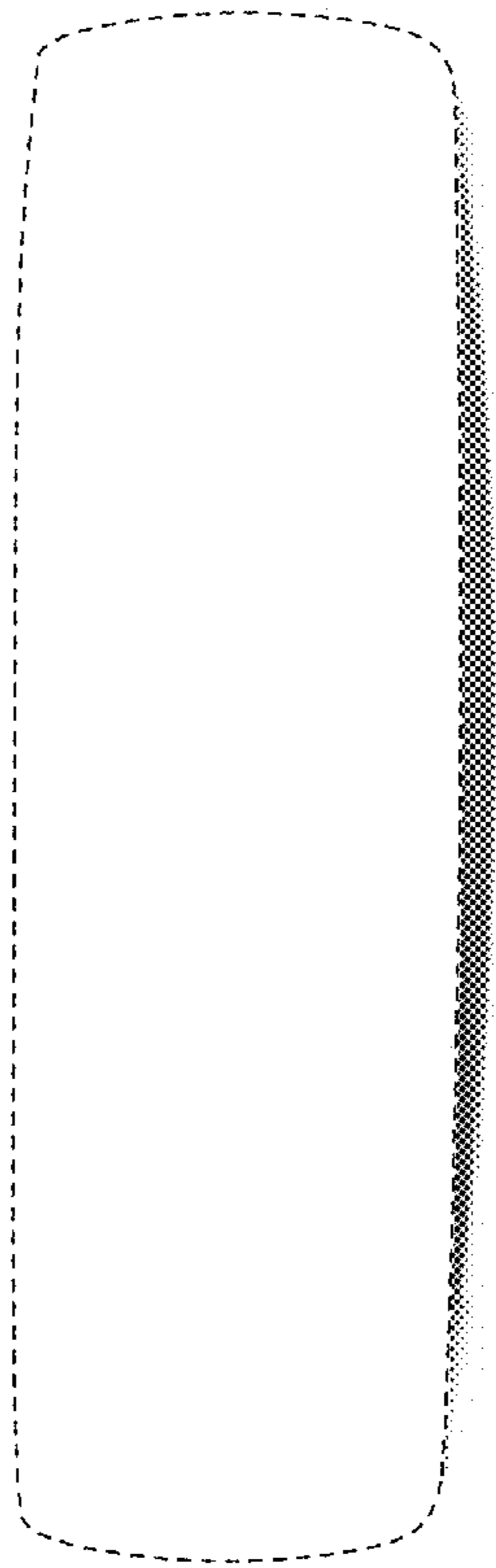


FIG. 2