



US00D916116S

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

(10) **Patent No.:** **US D916,116 S**  
(45) **Date of Patent:** **\*\* Apr. 13, 2021**

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

(71) Applicant: **HYUNDAI MOBIS CO., LTD.**, Seoul (KR)

(72) Inventors: **Min Hee Kim**, Yongin-si (KR); **Bo Young Park**, Yongin-si (KR); **Seo Hyun Kim**, Yongin-si (KR); **Bong Geun Jeon**, Yongin-si (KR); **Hyung Soo Kim**, Yongin-si (KR)

(73) Assignee: **HYUNDAI MOBIS CO., LTD.**, Seoul (KR)

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

(21) Appl. No.: **29/714,219**

(22) Filed: **Nov. 21, 2019**

(30) **Foreign Application Priority Data**

Jun. 11, 2019 (KR) ..... 30-2019-0027596

(51) **LOC (13) Cl.** ..... **14-04**

(52) **U.S. Cl.**  
USPC ..... **D14/486**

(58) **Field of Classification Search**

USPC ..... D14/485-495; D12/192  
CPC .... G06F 3/048; G06F 3/0481; G06F 3/04812;  
G06F 3/04817; G06F 3/0482; G06F  
3/0483; G06F 3/0484; G06F 3/04847;  
G06F 3/0485; G06F 3/04855; G06F  
3/04886; G06Q 30/00; H03J 1/00; H03J  
1/0008;

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D384,341 S \* 9/1997 Hoffman ..... D10/102  
D452,693 S \* 1/2002 Mitchell ..... D14/492

(Continued)

**OTHER PUBLICATIONS**

Rong, Blake Z. "How Does A Heads-Up Display Work?" roadandtrack.com. Nov. 22, 2016. Accessed Nov. 15, 2020. Available online at URL: Figs. 1 and 3 show broken line subject matter directed to the environment of the design, e.g. an instrument cluster containing the display screen portion. (Year: 2016).\*

(Continued)

*Primary Examiner* — Christian P. McLean

(74) *Attorney, Agent, or Firm* — Knobbe Martens Olson & Bear LLP

(57) **CLAIM**

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

**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 view of a cluster display screen or portion thereof with a graphical user interface showing our new design;

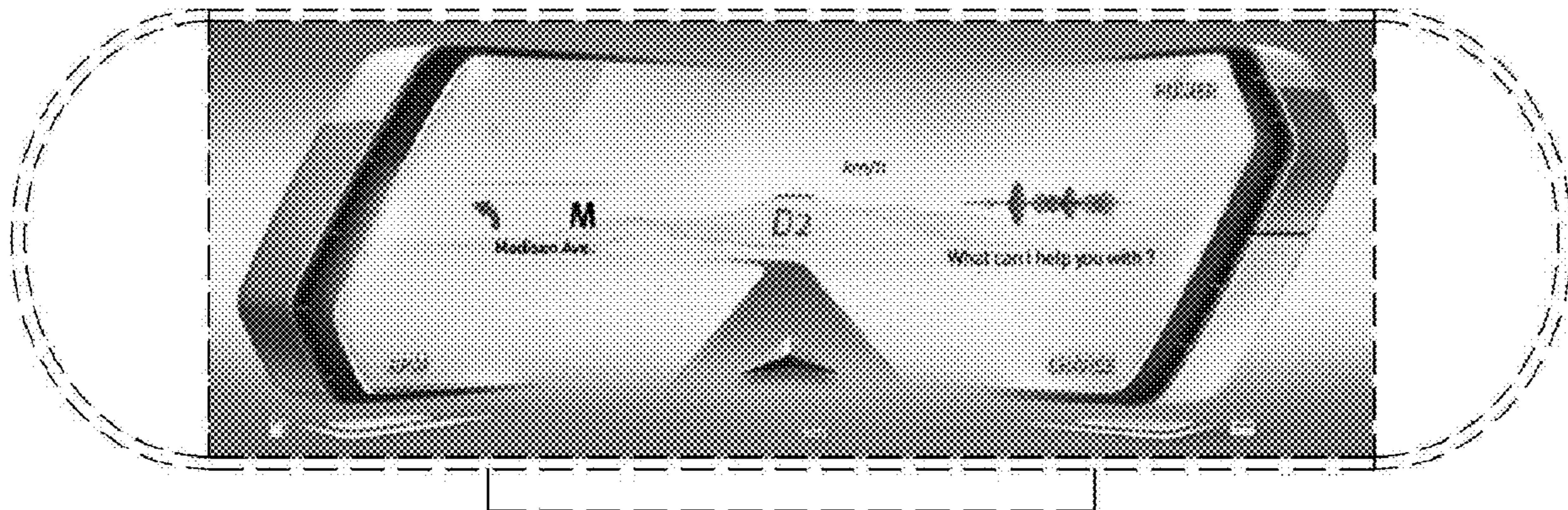
FIG. 2 is an enlarged view of FIG. 1, with the claimed subject matter shown separately for clarity of illustration;

FIG. 3 is a front view of a cluster display screen or portion thereof with a graphical user interface showing the cluster display screen or portion thereof in a second embodiment; and,

FIG. 4 is an enlarged view of FIG. 3.

The broken line showings of an instrument cluster illustrate the environment of the design and form no part of the claimed design.

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



(58) **Field of Classification Search**

CPC ..... H03J 1/0016; H03J 1/0025; H04N 5/00;  
 H04N 5/08; H04N 5/14; H04N 5/222;  
 H04N 5/225; H04N 5/232; H04N 5/445;  
 H04N 5/44543; H04N 5/45; H04N  
 2005/44517; H04N 2005/44521; H04N  
 2005/44526; H04N 2005/4453; H04N  
 2005/44534; H04N 2005/44539; H04N  
 2005/44547; H04N 2005/44556; H04N  
 2005/4456; H04N 2005/44565; H04N  
 2005/44569; H04N 2005/44573; H04N  
 21/00; H04N 21/234; H04N 21/431;  
 H04N 21/4312; H04N 21/4314; H04N  
 21/4316

See application file for complete search history.

D800,144	S	*	10/2017	Anderson	.....	D14/485
D806,724	S	*	1/2018	Park	.....	D14/485
D806,725	S	*	1/2018	Ryu	.....	D14/485
D823,858	S	*	7/2018	Li	.....	D14/485
D824,401	S	*	7/2018	Ali	.....	D14/485
D844,015	S	*	3/2019	Meng	.....	D14/485
D849,020	S	*	5/2019	Whitmore	.....	D14/485
D852,824	S	*	7/2019	Selwa	.....	D14/485
D854,548	S	*	7/2019	Ro	.....	D14/485
D865,778	S	*	11/2019	Kim	.....	D14/485
D891,444	S	*	7/2020	Ueta	.....	D14/485
D893,534	S	*	8/2020	Lindberg	.....	D14/486
D903,704	S	*	12/2020	Lindberg	.....	D14/486
2008/0309475	A1	*	12/2008	Kuno	.....	B60K 37/02 340/462
2018/0009316	A1	*	1/2018	Dadoosh	.....	G06F 3/147
2019/0187869	A1	*	6/2019	Spitz	.....	G06F 3/0488

(56) **References Cited**

U.S. PATENT DOCUMENTS

D490,759	S	*	6/2004	Iohara	.....	D12/192
D516,444	S	*	3/2006	Yamada	.....	D10/102
D602,037	S	*	10/2009	Nash	.....	D14/486
D624,087	S	*	9/2010	Anderson	.....	D14/485
D733,722	S	*	7/2015	Ueda	.....	D14/485
D763,921	S	*	8/2016	Dharwada	.....	D14/492
D766,271	S	*	9/2016	Lau	.....	D14/485
D766,304	S	*	9/2016	Mariet	.....	D14/486
D766,323	S	*	9/2016	Eyal	.....	D14/491
D768,548	S	*	10/2016	Ingenlath	.....	D12/174
D770,340	S	*	11/2016	Ingenlath	.....	D12/174
D771,705	S	*	11/2016	Dharwada	.....	D14/492
D772,260	S	*	11/2016	Ingenlath	.....	D14/486
D778,292	S	*	2/2017	Mochizuki	.....	D14/485
D778,304	S	*	2/2017	Deusing	.....	D14/486

OTHER PUBLICATIONS

“Beyond Just Driving: R&D for Infotainment System UX.” news.hyundaimotorgroup.com. Aug. 27, 2020. Accessed Nov. 15, 2020. Available online at URL: <https://news.hyundaimotorgroup.com/Article/Beyond-Just-Driving-RnD-for-Infotainment-System-UX> (Year: 2020).\*

“3D display surface for digital instrument cluster in car dashboard.” youtube.com. 0:30-0:33. Apr. 20, 2017. Accessed Nov. 15, 2020. Available online at URL: <https://www.youtube.com/watch?v=Hp2qVk5McrQ> (Year: 2017).\*

DeMattia, Nico. “BMW and Mercedes-Benz to Put Autonomous Partnership on Hold.” bmwblog.com. Jun. 19, 2020. Accessed Nov. 15, 2020. Available online at URL: <https://www.bmwblog.com/2020/06/19/bmw-and-mercedes-benz-autonomous-tech/> (Year: 2020).\*

\* cited by examiner



FIG. 1

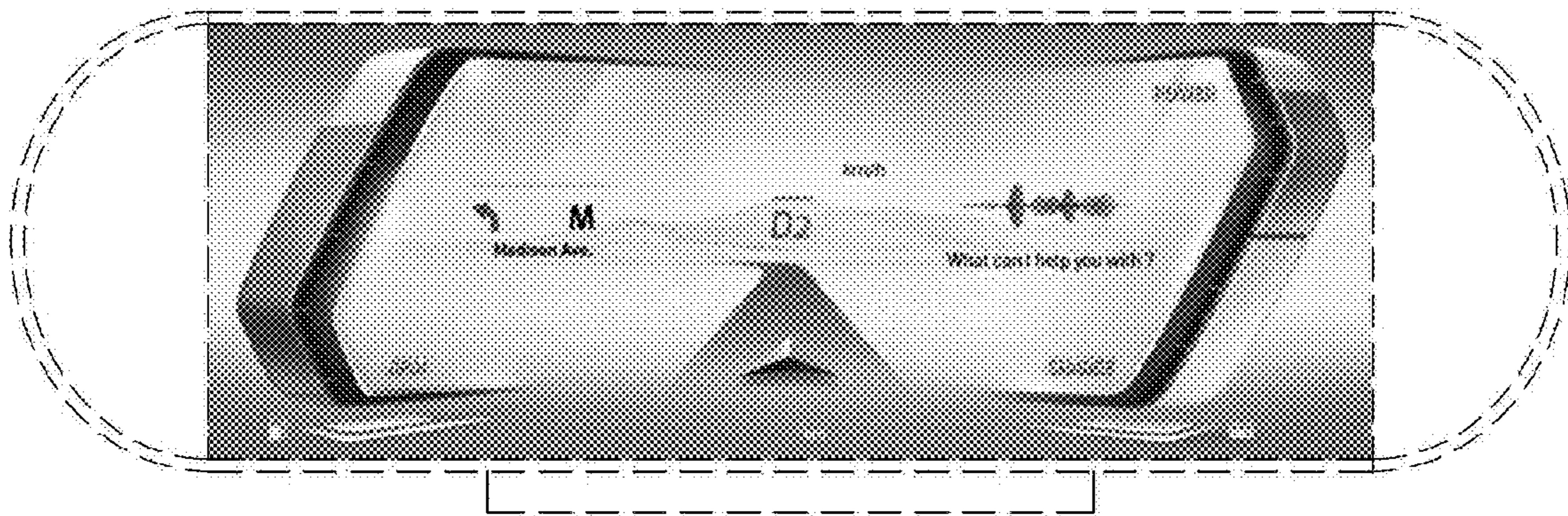


FIG. 2

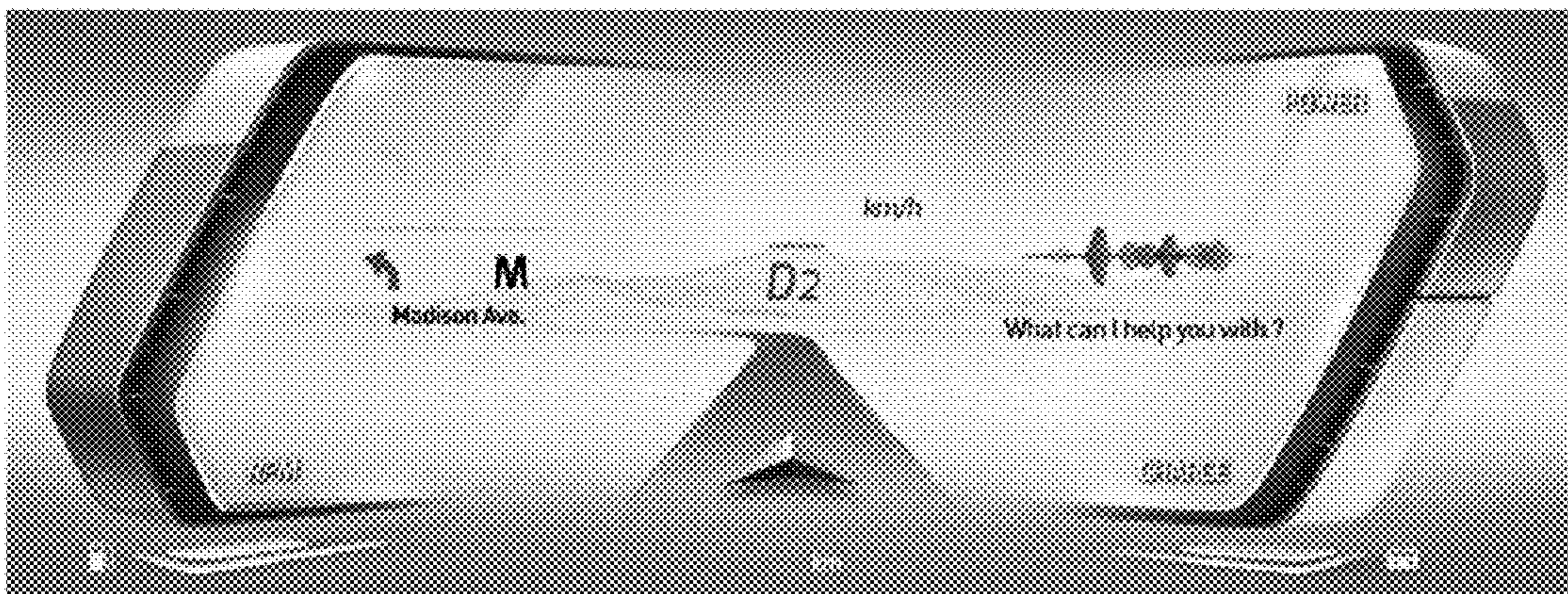




FIG. 3

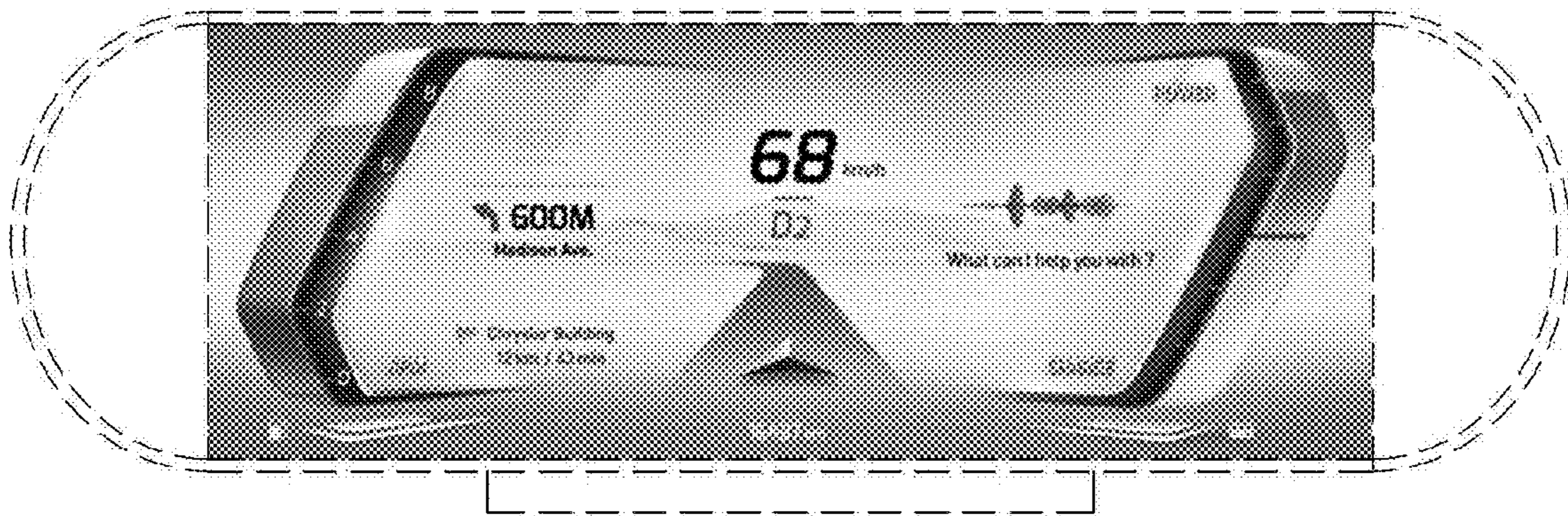


FIG. 4

