



US00D919519S

(12) **United States Design Patent** (10) **Patent No.:** **US D919,519 S**
Bae et al. (45) **Date of Patent:** **** May 18, 2021**

(54) **SHIFT-BY-WIRE CONTROLLER FOR AN AUTOMOBILE**

(71) Applicants: **Hyundai Motor Company**, Seoul (KR); **Kia Motors Corporation**, Seoul (KR)

(72) Inventors: **Soo Yul Bae**, Seoul (KR); **Yeon Ji Kang**, Suwon-si (KR); **Jae Min Park**, Namyangju-si (KR); **Pil Yoon Kim**, Uiwang-si (KR)

(73) Assignees: **Hyundai Motor Company**, Seoul (KR); **Kia Motors Corporation**, Seoul (KR)

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

(21) Appl. No.: **35/508,598**

(22) Filed: **Aug. 14, 2019**

(80) **Hague Agreement Data**

Int. Filing Date: **Aug. 14, 2019**

Int. Reg. No.: **DM/204097**

Int. Reg. Date: **Feb. 14, 2019**

Int. Reg. Pub. Date: **Feb. 14, 2020**

(51) **LOC (13) Cl.** **12-16**

(52) **U.S. Cl.**
USPC **D12/174**

(58) **Field of Classification Search**
USPC D12/147, 174, 177, 190, 192, 195, 400, D12/415; D14/133, 162, 175, 411, 412, D14/413; D21/566; D8/311, 312
CPC B60R 16/37; B60R 37/06; B60R 37/02; B60R 37/00; B60R 2350/104; B60R 2350/1024; B60R 2350/1052; F16H 59/08; F16H 61/24; F16H 61/6342; F16H 63/48; F16H 63/3491

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | | |
|------------|----|---|---------|-----------|-------|--------------|
| D576,931 | S | * | 9/2008 | Ravindra | ..... | D12/179 |
| D632,294 | S | * | 2/2011 | Frank | ..... | D14/413 |
| D739,337 | S | * | 9/2015 | Persson | ..... | D12/415 |
| D741,758 | S | * | 10/2015 | Tachiiri | ..... | D12/174 |
| D744,917 | S | * | 12/2015 | Persson | ..... | D12/179 |
| D751,959 | S | * | 3/2016 | Suzuki | ..... | D12/174 |
| D762,150 | S | * | 7/2016 | Ernstsson | ..... | D12/174 |
| D775,024 | S | * | 12/2016 | Tachiiri | ..... | D12/179 |
| D812,533 | S | * | 3/2018 | Lee | ..... | D12/174 |
| D819,624 | S | * | 6/2018 | Lee | ..... | D14/258 |
| D827,523 | S | * | 9/2018 | Stark | ..... | D12/179 |
| D829,527 | S | * | 10/2018 | Kang | ..... | D8/311 |
| 10,107,386 | B2 | * | 10/2018 | Watanabe | ..... | G05G 5/06 |
| D848,239 | S | * | 5/2019 | Pedersen | ..... | D8/312 |
| 10,288,169 | B2 | * | 5/2019 | Watanabe | ..... | F16H 59/08 |
| D860,122 | S | * | 9/2019 | Kang | ..... | D12/415 |
| 10,436,318 | B2 | * | 10/2019 | Cha | ..... | F16H 61/0003 |
| D873,747 | S | * | 1/2020 | Miyamoto | ..... | D12/192 |
| 10,557,549 | B2 | * | 2/2020 | Watanabe | ..... | F16H 59/08 |
| 10,598,279 | B2 | * | 3/2020 | Choi | ..... | F16H 61/32 |

(Continued)

Primary Examiner — Darlington Ly

(74) *Attorney, Agent, or Firm* — Mintz Levin Cohn Ferris Glovsky and Popeo, P.C.; Peter F. Corless; Carolina E. Säve

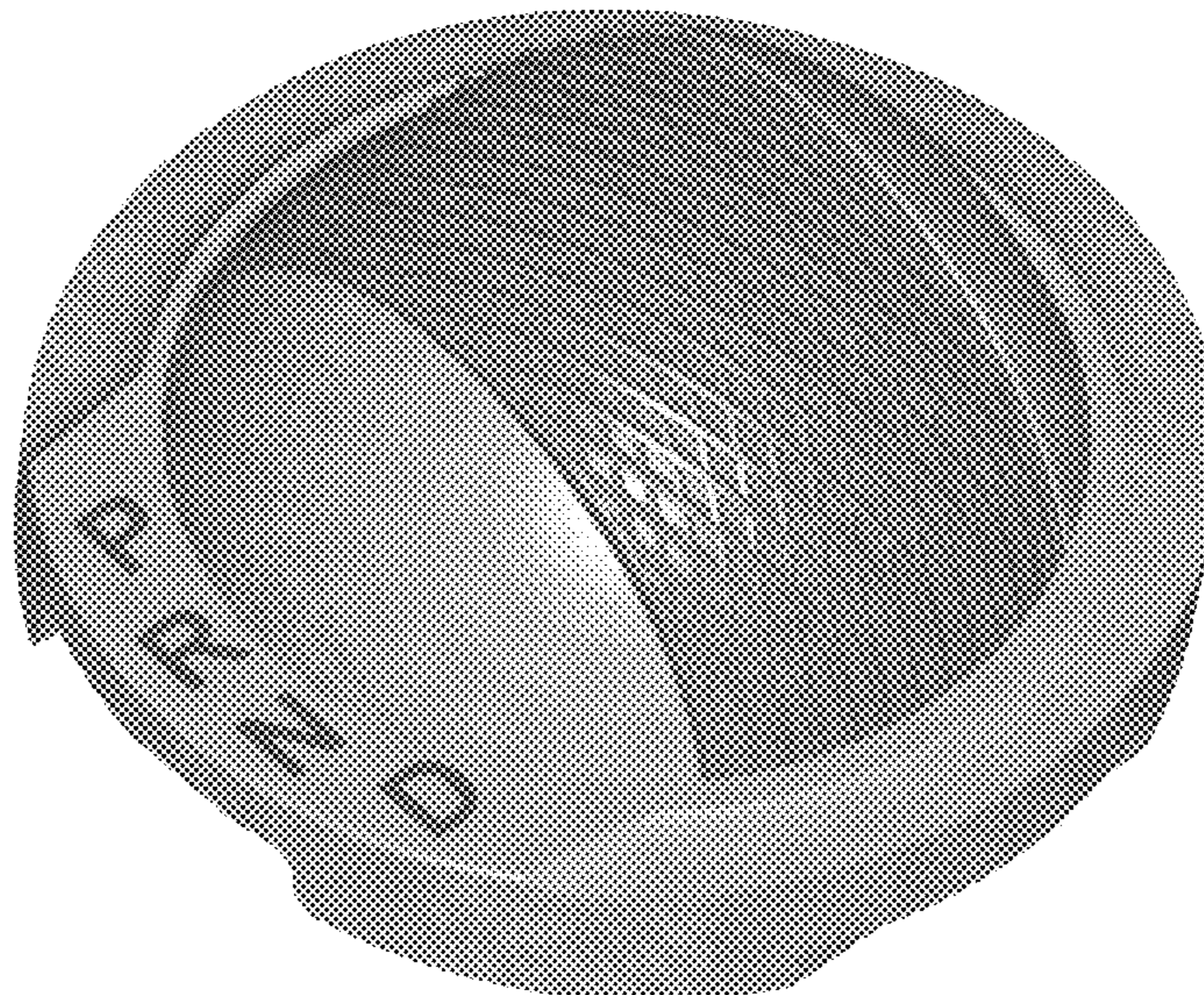
(57) **CLAIM**

The ornamental design for a shift-by-wire controller for an automobile, as shown and described.

DESCRIPTION

- 1. Shift-by-wire controller for an automobile
- 1.1 is a top perspective view of a shift-by-wire controller for an automobile embodying our new design;
- 1.2 is a front elevation view thereof;
- 1.3 is a rear elevation view thereof;
- 1.4 is a left side elevation view thereof;
- 1.5 is a right side elevation view thereof;
- 1.6 is a top plan view thereof; and
- 1.7 is a bottom plan view thereof.

1 Claim, 7 Drawing Sheets



(56)

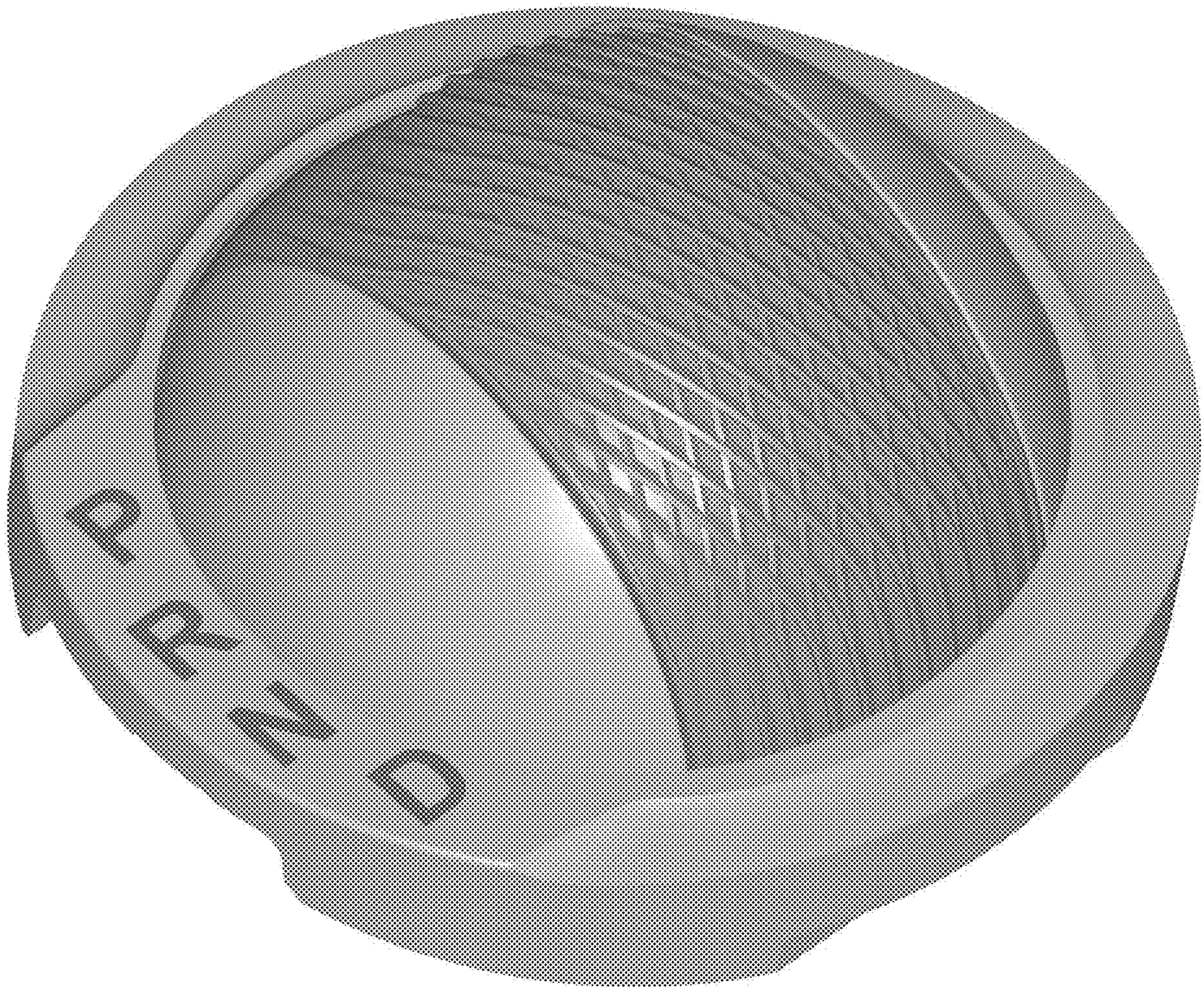
References Cited

U.S. PATENT DOCUMENTS

10,605,354 B2 * 3/2020 Kim F16H 59/02
10,760,679 B2 * 9/2020 Na F16H 59/12
D902,816 S * 11/2020 Ernstsson D12/192
D906,199 S * 12/2020 Persson D12/179
10,871,221 B2 * 12/2020 Botella F16H 59/08
10,890,251 B2 * 1/2021 Beattie F16H 59/08

* cited by examiner

1.1



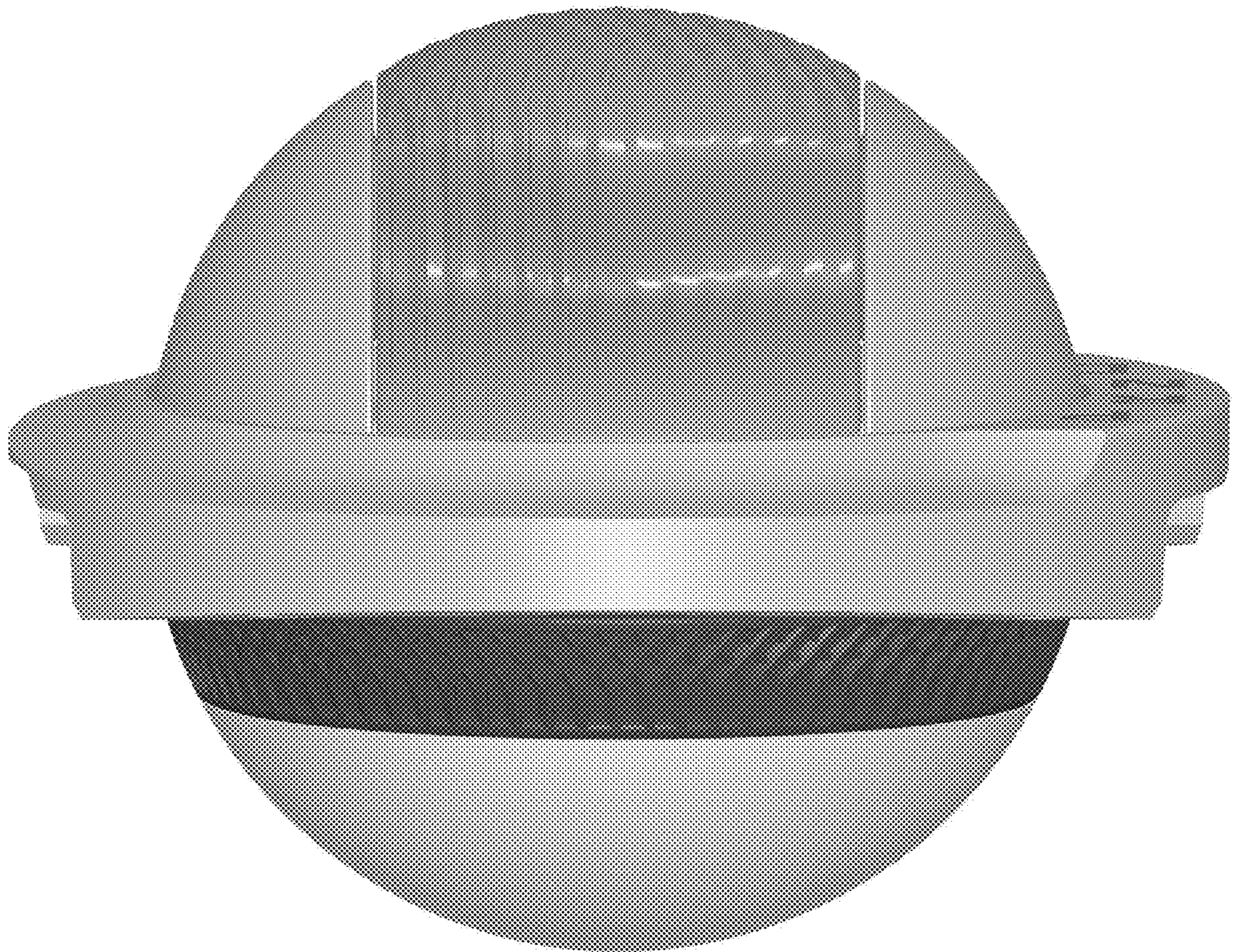
1.2



1.3



1.4



1.5



1.6



1.7

