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Ahn et al.

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(45)

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(54) **AUTONOMOUS VEHICLE DOOR**

(71) Applicant: **Google Inc.**, Mountain View, CA (US)

(72) Inventors: **YooJung Ahn**, Mountain View, CA (US); **Jared S. Gross**, Belmont, CA (US); **Jonas De Moe**, Mountain View, CA (US)

(73) Assignee: **Google Inc.**, Mountain View, CA (US)

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

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Related U.S. Application Data

(62) Division of application No. 29/514,665, filed on Jan. 15, 2015, now Pat. No. Des. 758,269, which is a division of application No. 29/491,723, filed on May 23, 2014, now Pat. No. Des. 731,383.

(51) **LOC (10) Cl.** **12-08**

(52) **U.S. Cl.**
USPC **D12/195**

(58) **Field of Classification Search**
USPC D12/195, 193, 414, 190, 196; D15/17, D15/28; D10/46, 98, 102–103, 302–303
CPC B60J 5/04; B60N 2/466; B60N 2/4693; B60R 13/0243; B60R 12/02
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

3,032,645	A	5/1962	Wilfert
3,093,320	A	6/1963	Knapp
D282,923	S	3/1986	Soederberg
D287,289	S	12/1986	Kato et al.
D293,937	S	1/1988	Soma
D293,938	S	1/1988	Soma
D294,365	S	2/1988	Nishibori et al.
D323,901	S	2/1992	Falck et al.
5,267,763	A	12/1993	Klein
D350,503	S	9/1994	Yang

D411,814	S	7/1999	Chibuka et al.
D418,471	S	1/2000	Gabath
D421,588	S	3/2000	Kitamura
D447,191	S	8/2001	Hoelzel et al.

(Continued)

OTHER PUBLICATIONS

McFadden, Colin-Druce, “Autonomous car concept swaps steering wheel for gesture controls”, <<http://www.dvice.com/2014-3-12/autonomous-car-concept-swaps-steering-wheel-gesture-controls>>, Mar. 12, 2014.

(Continued)

Primary Examiner — Katrina A Betton
(74) *Attorney, Agent, or Firm* — Lerner, David, Littenberg, Krumholz & Mentlik, LLP

(57) **CLAIM**

The ornamental design for an autonomous vehicle door, as shown and described.

DESCRIPTION

The present application is related to application Ser. No. 29/491,722, entitled Autonomous Vehicle Overall Exterior; to application Ser. No. 29/491,717, entitled Tire Rim; to application Ser. No. 29/491,734, entitled Autonomous Vehicle Headlamp; to application Ser. No. 29/491,730, entitled Autonomous Vehicle Taillamp; to application Ser. No. 29/491,726, entitled Autonomous Vehicle Wing Assembly; and to application Ser. No. 29/491,727, entitled Autonomous Vehicle Rear Vent/Reflector, the entire disclosures of which are incorporated by reference herein.

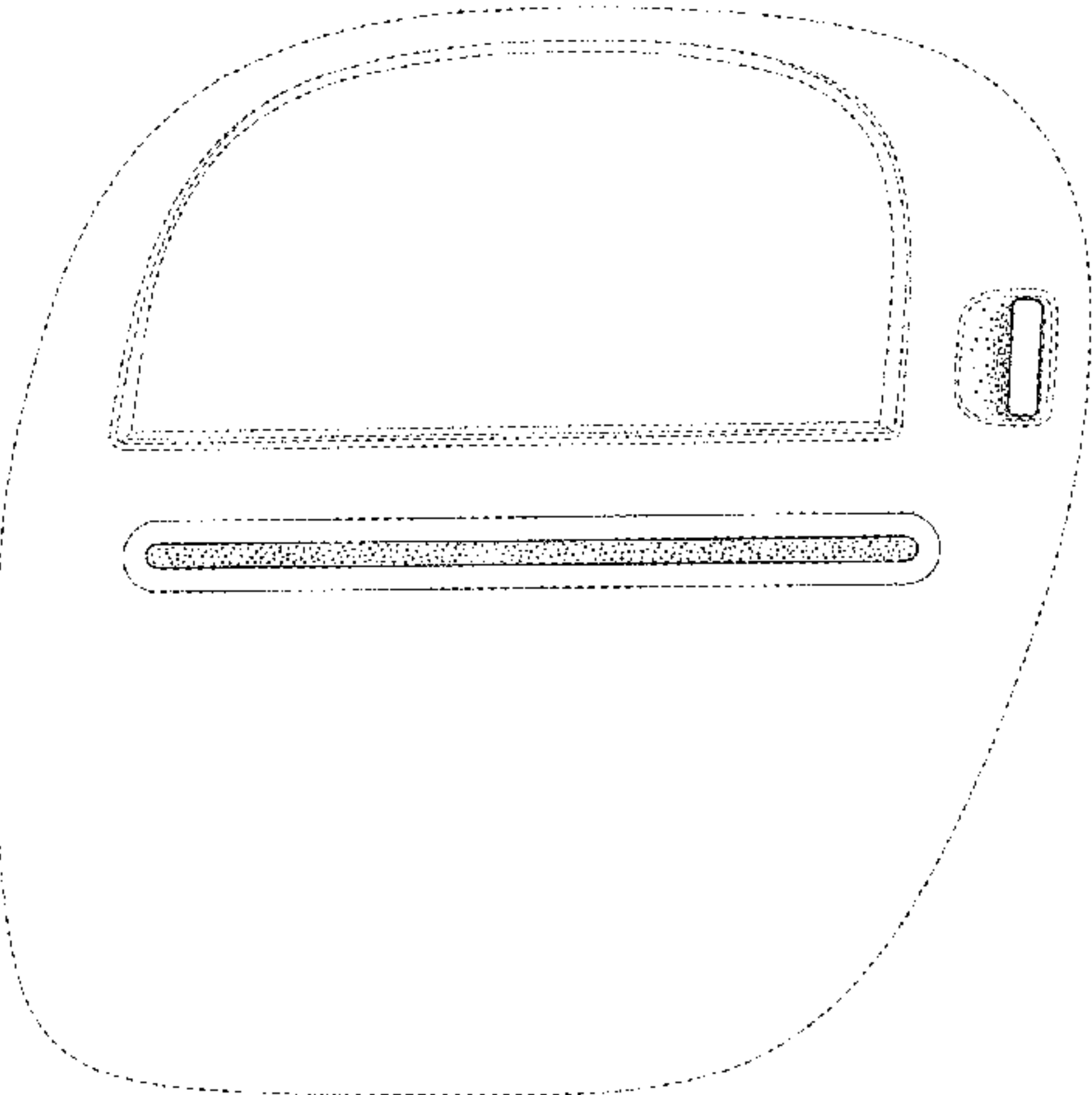
FIG. 1 is a front perspective view of an autonomous vehicle door according to our design; and,

FIG. 2 is a front elevation view thereof.

Broken lines are environmental only and form no part of the claimed design.

Areas of the design shown with a stipple fill preferably have a color, illumination or shading that contrasts with a color, illumination or shading of the non-stipple filled areas.

1 Claim, 2 Drawing Sheets



(56)

References Cited**U.S. PATENT DOCUMENTS**

6,318,045 B1 11/2001 Kress
 D456,312 S 4/2002 Leutz
 D457,115 S 5/2002 Mahoney et al.
 D459,764 S 7/2002 Hoelzel et al.
 D466,458 S 12/2002 Murkett
 D467,849 S 12/2002 Murkett
 6,530,251 B1 3/2003 Dimig
 D472,863 S 4/2003 Carroll
 D475,474 S 6/2003 Hsieh et al.
 D476,340 S 6/2003 Niebuhr et al.
 D484,080 S 12/2003 Yamamoto et al.
 D486,596 S 2/2004 Chen
 D490,170 S 5/2004 Metros et al.
 D491,855 S 6/2004 Velazco
 D494,913 S 8/2004 Chapman
 D511,731 S 11/2005 Lariviere et al.
 D515,489 S 2/2006 Tokutake
 D520,428 S 5/2006 Iwanaga et al.
 D525,727 S 7/2006 Fujimoto et al.
 D525,731 S 7/2006 Hovind et al.
 D526,429 S 8/2006 Hovind et al.
 D527,122 S 8/2006 Chuang
 D527,697 S 9/2006 Metros et al.
 D528,490 S 9/2006 Schumaker
 D532,535 S 11/2006 Lin
 D534,285 S 12/2006 Williams
 D546,986 S 7/2007 Platto et al.
 D547,473 S 7/2007 Yeoman et al.
 D549,364 S 8/2007 Hovind et al.
 D549,366 S 8/2007 Hovind et al.
 D553,269 S 10/2007 Pfeiffer et al.
 D556,111 S 11/2007 Levy
 D556,662 S 12/2007 Murkett
 D559,734 S 1/2008 Sinkwitz
 D564,432 S 3/2008 Pfeiffer
 D565,764 S 4/2008 Zimmermann et al.
 D568,792 S 5/2008 Moushegian et al.
 D578,685 S 10/2008 Manus
 D581,081 S 11/2008 Mier-Langner
 D582,824 S 12/2008 Kobayashi
 D586,020 S 2/2009 Hsu
 D592,102 S 5/2009 Kim
 D592,336 S 5/2009 Hsu
 D593,231 S 5/2009 Koman
 7,537,256 B2 5/2009 Gates et al.
 D594,383 S 6/2009 Lo et al.
 D596,323 S 7/2009 Ishizuka et al.
 D599,264 S 9/2009 Akasawa et al.
 D601,072 S 9/2009 Giachin
 D603,296 S 11/2009 Zhou et al.
 D603,306 S 11/2009 Jung et al.
 D608,263 S 1/2010 Truebsbach
 D613,220 S 4/2010 Ikeda et al.
 D615,905 S 5/2010 Arnell
 D619,931 S 7/2010 Arnell
 D624,218 S 9/2010 Nakai et al.
 D624,471 S 9/2010 Green
 D625,445 S 10/2010 Takahashi et al.
 D629,717 S 12/2010 Artioli
 D630,563 S 1/2011 Schneider
 D633,644 S 3/2011 Sprengers
 D633,839 S 3/2011 Matei et al.
 D634,053 S 3/2011 Guercio
 D634,686 S 3/2011 Matei et al.
 D636,317 S 4/2011 Matei et al.
 D638,338 S 5/2011 Huet
 D644,975 S 9/2011 Kumai et al.
 D649,910 S 12/2011 Mullen
 D651,132 S 12/2011 Lambri et al.
 D655,836 S 3/2012 Lee et al.
 D657,725 S 4/2012 Segura
 D660,211 S 5/2012 Ikuma et al.

D663,665 S 7/2012 Hakamata et al.
 D667,973 S 9/2012 Schneider
 D671,452 S 11/2012 Fernandez Isoird
 D671,453 S 11/2012 Fernandez Isoird
 D675,961 S 2/2013 Nagafuchi et al.
 D676,359 S 2/2013 Panoz et al.
 D678,566 S 3/2013 Janssen
 D680,931 S 4/2013 Schmeckpeper
 D681,529 S 5/2013 Minami et al.
 D682,172 S 5/2013 Peltola et al.
 D682,759 S 5/2013 Oliver
 D684,091 S 6/2013 Frenzel et al.
 D684,509 S 6/2013 Noll
 D684,515 S 6/2013 Oliver
 D692,167 S 10/2013 Yamazaki et al.
 D692,168 S 10/2013 Harrington, Jr.
 D693,270 S 11/2013 Burki et al.
 D693,272 S 11/2013 Burki et al.
 D695,177 S 12/2013 Matsueda
 D695,178 S 12/2013 Tada et al.
 D695,179 S 12/2013 Tada et al.
 D695,661 S 12/2013 Asano et al.
 D695,663 S 12/2013 Suga et al.
 D695,664 S 12/2013 Suga et al.
 D696,172 S 12/2013 Kawasaki et al.
 D696,999 S 1/2014 Suga et al.
 D698,717 S 2/2014 Kobayashi
 D699,375 S 2/2014 Ueda et al.
 D700,104 S 2/2014 Malachowski
 D701,334 S 3/2014 Christ
 D706,191 S 6/2014 Choi et al.
 D706,467 S 6/2014 Robinson
 D706,692 S 6/2014 Wheel et al.
 D710,264 S 8/2014 Watkins et al.
 D711,566 S 8/2014 Wu
 D712,327 S 9/2014 Tanaka et al.
 D712,813 S 9/2014 Tanaka et al.
 D714,700 S 10/2014 Yamamoto
 D715,204 S 10/2014 Peltola et al.
 D716,206 S 10/2014 Thole et al.
 D716,210 S 10/2014 Ishikawa et al.
 D716,476 S 10/2014 Asano
 D718,197 S 11/2014 Chen
 D718,695 S 12/2014 Galante et al.
 D719,062 S 12/2014 Wada
 D720,267 S 12/2014 Norman et al.
 D720,874 S 1/2015 Jackson et al.
 D721,023 S * 1/2015 Wiedeman D12/195
 D721,024 S * 1/2015 Thole et al.
 D722,933 S * 2/2015 Ishikawa D12/195
 D726,082 S * 4/2015 Finney D12/195
 D726,351 S 4/2015 Kato
 D730,254 S 5/2015 Glover et al.
 D731,097 S 6/2015 Dai
 D731,379 S 6/2015 Behmer et al.
 D731,382 S 6/2015 Mana et al.
 D731,383 S 6/2015 Ahn et al.
 D733,630 S 7/2015 Ahn et al.
 D734,211 S 7/2015 Ahn et al.
 D736,430 S 8/2015 Ko
 D743,312 S * 11/2015 Iwauchi D12/195
 D743,863 S * 11/2015 Finney D12/195
 D745,722 S 12/2015 Smith
 D761,176 S * 7/2016 Sandys D12/195
 D763,757 S * 8/2016 Buffery D12/195
 D766,792 S * 9/2016 Shimizu D12/195
 D768,042 S * 10/2016 Lee D12/195
 2014/0252949 A1 9/2014 Ko et al.

OTHER PUBLICATIONS

Ridden, Paul, "ATNMBL—The concept car with no steering wheel, brake pedal or driver's seat", <<http://www.gizmag.com/atnmbL-autonomous-concept-passenger-transport/15877/>>, Jul. 29, 2010.

* cited by examiner

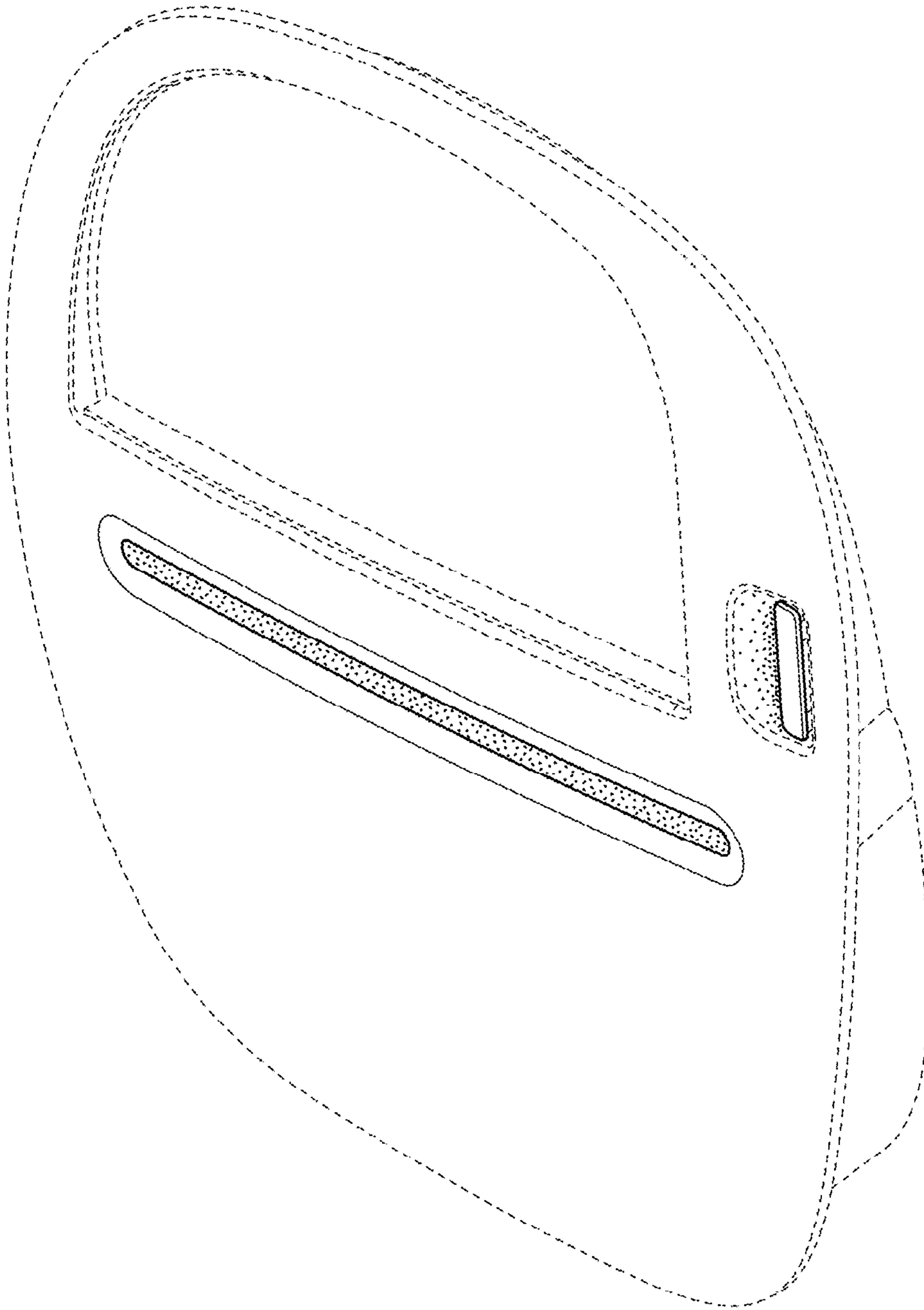


FIG. 1

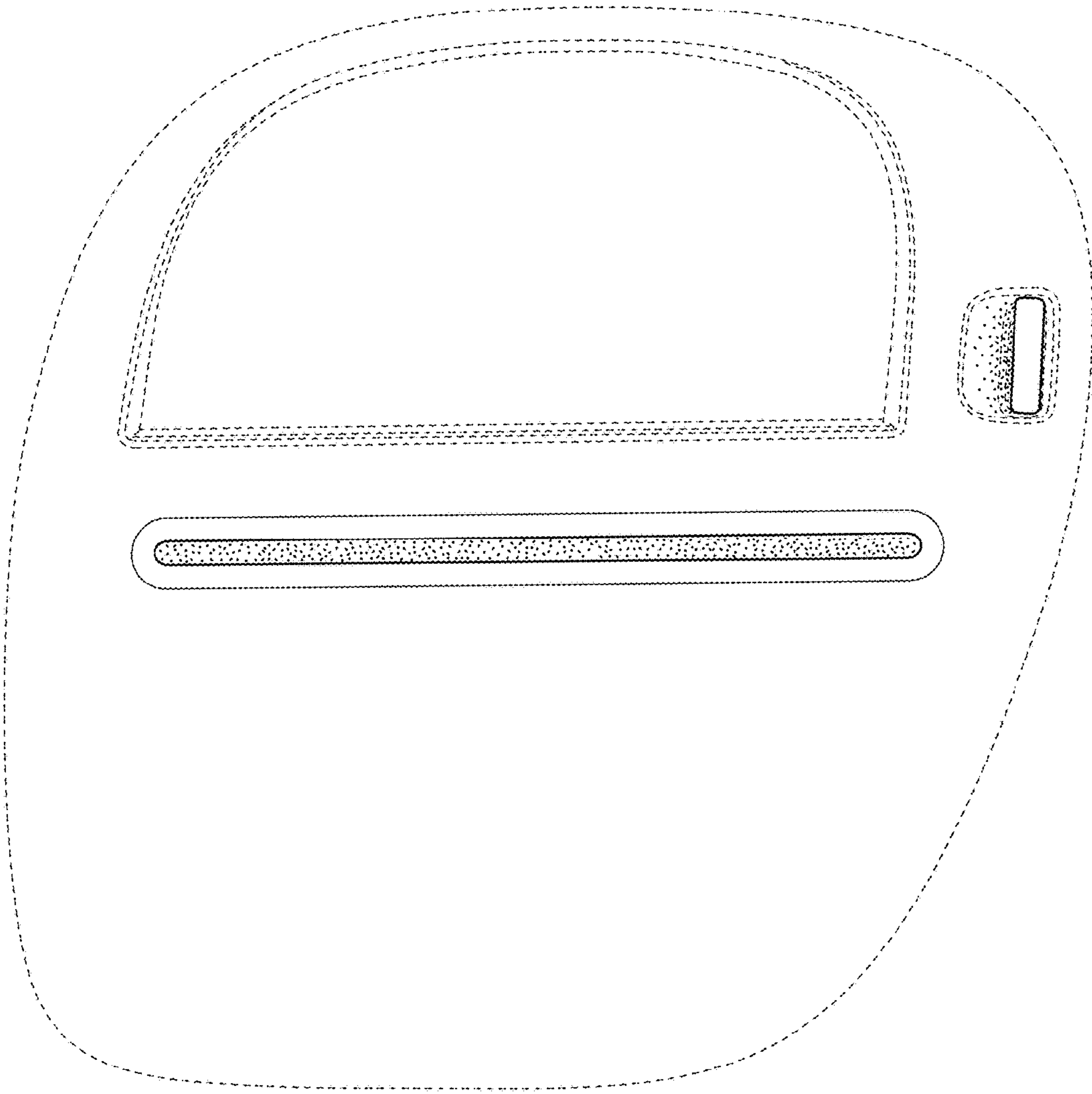


FIG. 2