



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

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(45) **Date of Patent:** **** *Dec. 6, 2011**

(54) **ADAPTER USED WITH AN
ACCESSORY-HOST INTERFACE**

(75) Inventors: **J. Steven Lyford**, Portland, OR (US);
Robert R. Kreitzer, Tigard, OR (US)

(73) Assignee: **Tektronix, Inc.**, Beaverton, OR (US)

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **14 Years**

(21) Appl. No.: **29/383,024**

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(51) **LOC (9) Cl.** **14-02**

(52) **U.S. Cl.** **D14/433**; D13/133; D13/147

(58) **Field of Classification Search** D14/356–358,
D14/383–385, 420, 426, 427, 432–439, 447,
D14/453, 454, 217, 253, 299; D13/107,
D13/108, 133, 146, 147, 152, 154, 156, 158,
D13/162, 162.1, 168, 173, 177; 385/53,
385/55; 439/680, 578, 638; D10/80
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D141,099 S * 5/1945 Baumgardner D13/173
D141,100 S * 5/1945 Baumgardner D13/173
D141,101 S * 5/1945 Baumgardner D13/173
D374,663 S * 10/1996 Rodrigues et al. D14/433
D384,035 S * 9/1997 Kuprewicz et al. D13/133
D389,121 S * 1/1998 Kuprewicz et al. D13/133
6,069,992 A * 5/2000 Hyzin 385/55
D433,666 S * 11/2000 Yang D13/147
D454,113 S * 3/2002 Ikeda et al. D13/133
D454,333 S * 3/2002 Ikeda et al. D13/133
6,379,183 B1 * 4/2002 Ayres et al. 439/578
6,702,617 B1 * 3/2004 Clement et al. 439/607.08
D561,698 S * 2/2008 Cuff et al. D13/147
D563,881 S * 3/2008 Howerton et al. D13/147
D563,882 S * 3/2008 Howerton et al. D13/147
D563,883 S * 3/2008 Dever D13/147
D563,884 S * 3/2008 Dever D13/147

D563,885 S * 3/2008 Dever D13/147
D563,886 S * 3/2008 Dever D13/147
D563,887 S * 3/2008 Dever D13/147
D563,888 S * 3/2008 Dever D13/147
D565,443 S * 4/2008 Frake et al. D10/78
D566,046 S 4/2008 Gabel et al.
D566,047 S 4/2008 Gabel et al.
D568,821 S * 5/2008 Ashida et al. D13/147
D574,772 S * 8/2008 Sutter D13/133
D585,024 S * 1/2009 Kudo D13/133
D585,025 S * 1/2009 Kudo D13/133
D587,201 S * 2/2009 Allwood et al. D13/133
D589,044 S * 3/2009 Yoshida et al. D14/358
D596,126 S * 7/2009 Norin et al. D13/133
D603,341 S * 11/2009 Kawakami et al. D13/158
D627,731 S * 11/2010 Huang et al. D13/146
RE42,303 E * 4/2011 Norin et al. D13/133

* cited by examiner

Primary Examiner — Cathron Brooks

Assistant Examiner — Deanna Fluegeman

(74) *Attorney, Agent, or Firm* — William K. Bucher

(57) **CLAIM**

The ornamental design for an adapter used with an accessory-host interface, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a first embodiment showing the plug end of an adapter used with an accessory-host interface disposed in a host device;

FIG. 2 is a reverse perspective view of a first embodiment showing the receptacle end of the adapter used with an accessory-host interface;

FIG. 3 is a top plan view of a first embodiment of the adapter used with an accessory-host interface;

FIG. 4 is a left side elevation view of a first embodiment of the adapter used with an accessory-host interface;

FIG. 5 is a bottom plan view of a first embodiment of the adapter used with an accessory-host interface;

FIG. 6 is a right side elevation view of a first embodiment of the adapter used with an accessory-host interface;

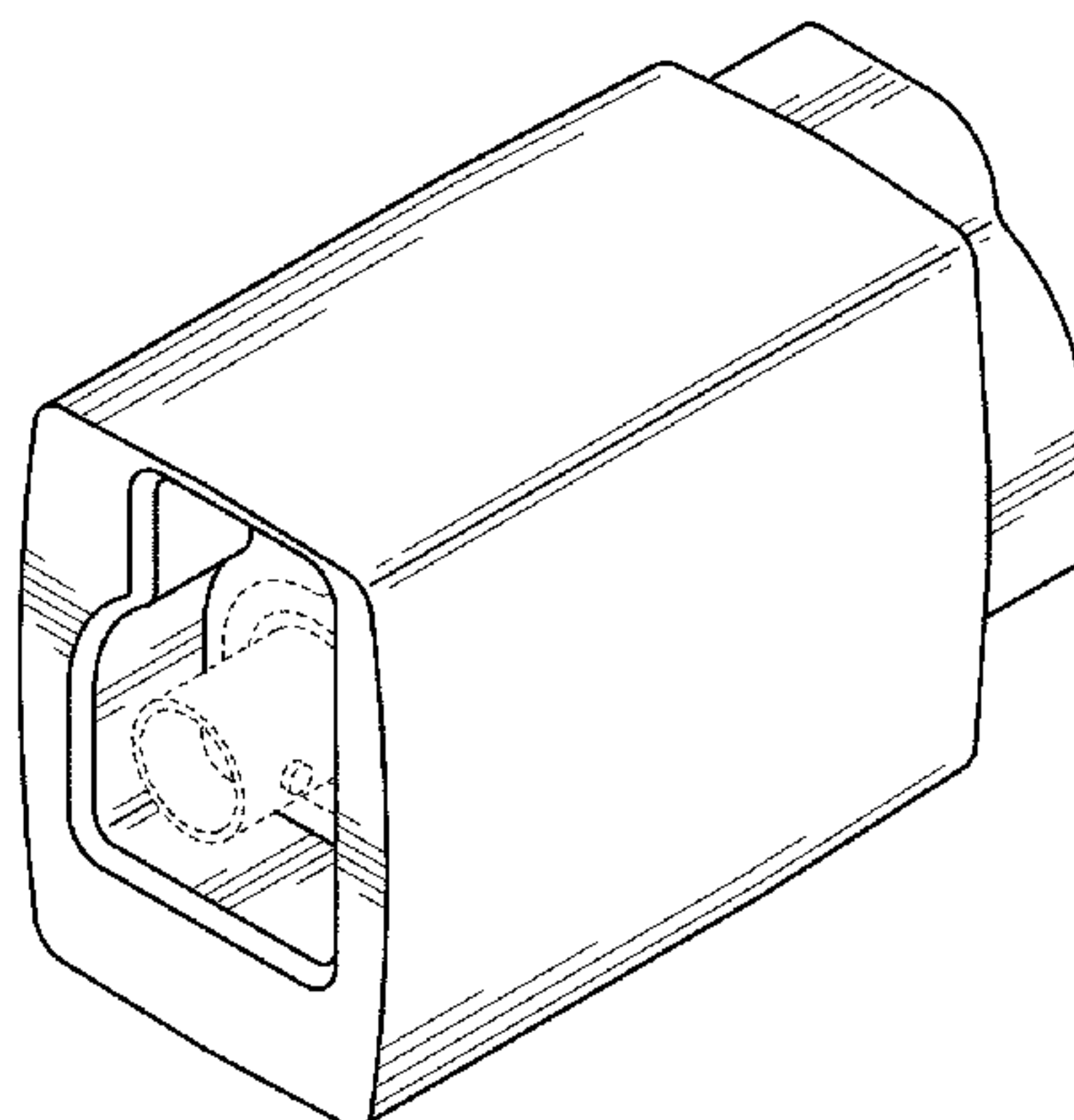
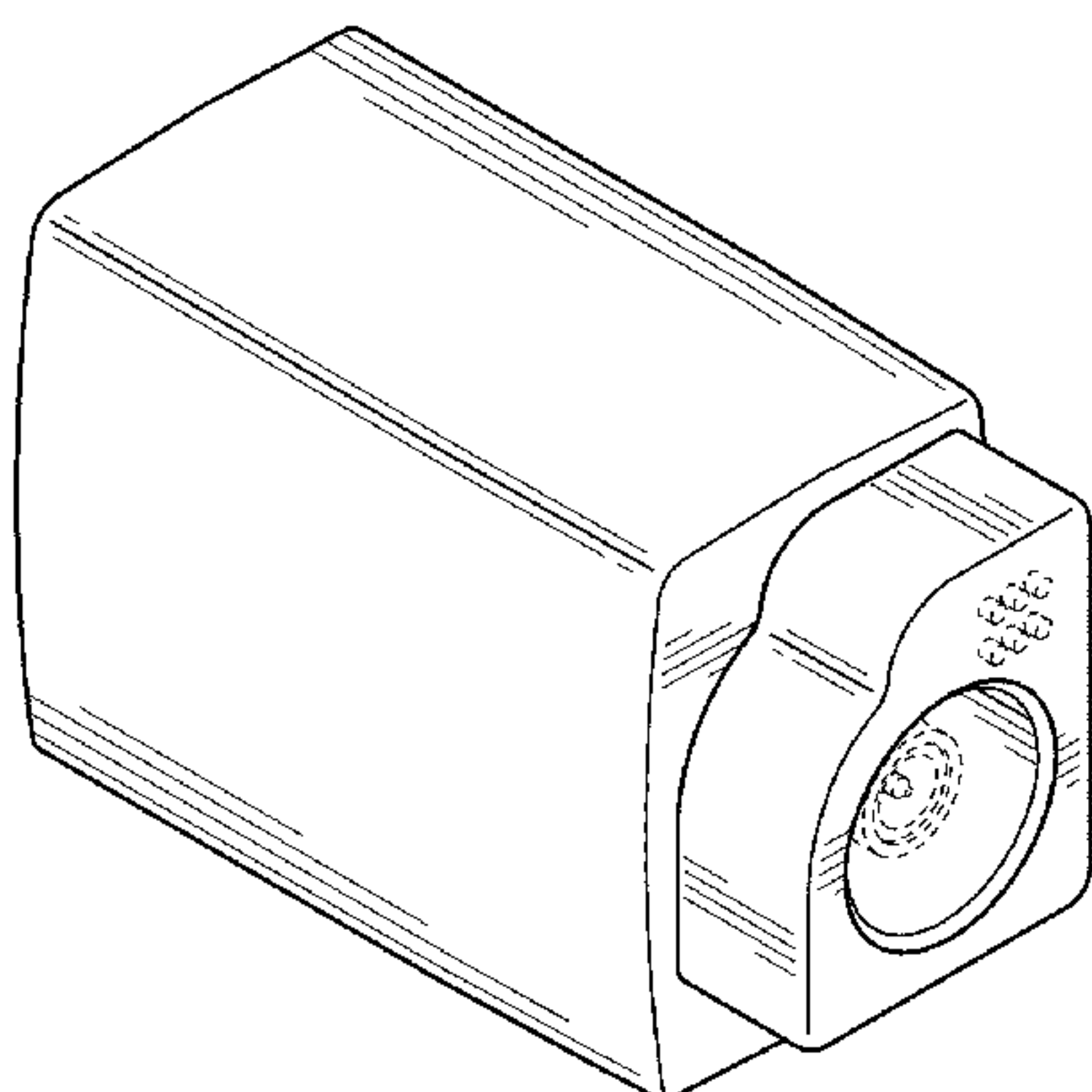


FIG. 35 is a top plan view of a fifth embodiment of the adapter used with an accessory-host interface;

FIG. 36 is a left side elevation view of a fifth embodiment of the adapter used with an accessory-host interface;

FIG. 37 is a bottom plan view of a fifth embodiment of the adapter used with an accessory-host interface;

FIG. 38 is a right side elevation view of a fifth embodiment of the adapter used with an accessory-host interface;

FIG. 39 is a front elevation view of a fifth embodiment of the adapter used with an accessory-host interface;

FIG. 40 is a reverse elevation view of a fifth embodiment of the adapter used with an accessory-host interface;

FIG. 41 is a front perspective view of a sixth embodiment showing the plug end of an adapter used with an accessory-host interface disposed in a host device;

FIG. 42 is a reverse perspective view of a sixth embodiment showing the receptacle end of the adapter used with an accessory-host interface;

FIG. 43 is a top plan view of a sixth embodiment of the adapter used with an accessory-host interface;

FIG. 44 is a left side elevation view of a sixth embodiment of the adapter used with an accessory-host interface;

FIG. 45 is a bottom plan view of a sixth embodiment of the adapter used with an accessory-host interface;

FIG. 46 is a right side elevation view of a sixth embodiment of the adapter used with an accessory-host interface;

FIG. 47 is a front elevation view of a sixth embodiment of the adapter used with an accessory-host interface;

FIG. 48 is a reverse elevation view of a sixth embodiment of the adapter used with an accessory-host interface;

FIG. 49 is a front perspective view of a seventh embodiment showing the plug end of an adapter used with an accessory-host interface disposed in a host device;

FIG. 50 is a reverse perspective view of a seventh embodiment showing the receptacle end of the adapter used with an accessory-host interface;

FIG. 51 is a top plan view of a seventh embodiment of the adapter used with an accessory-host interface;

FIG. 52 is a left side elevation view of a seventh embodiment of the adapter used with an accessory-host interface;

FIG. 53 is a bottom plan view of a seventh embodiment of the adapter used with an accessory-host interface;

FIG. 54 is a right side elevation view of a seventh embodiment of the adapter used with an accessory-host interface;

FIG. 55 is a front elevation view of a seventh embodiment of the adapter used with an accessory-host interface;

FIG. 56 is a reverse elevation view of a seventh embodiment of the adapter used with an accessory-host interface;

FIG. 57 is a front perspective view of an eighth embodiment showing the plug end of an adapter used with an accessory-host interface disposed in a host device;

FIG. 58 is a reverse perspective view of an eighth embodiment showing the receptacle end of the adapter used with an accessory-host interface;

FIG. 59 is a top plan view of an eighth embodiment of the adapter used with an accessory-host interface;

FIG. 60 is a left side elevation view of an eighth embodiment of the adapter used with an accessory-host interface;

FIG. 61 is a bottom plan view of an eighth embodiment of the adapter used with an accessory-host interface;

FIG. 62 is a right side elevation view of an eighth embodiment of the adapter used with an accessory-host interface;

FIG. 63 is a front elevation view of an eighth embodiment of the adapter used with an accessory-host interface;

FIG. 92 is a left side elevation view of a twelfth embodiment of the adapter used with an accessory-host interface;
FIG. 93 is a bottom plan view of a twelfth embodiment of the adapter used with an accessory-host interface;
FIG. 94 is a right side elevation view of a twelfth embodiment of the adapter used with an accessory-host interface;
FIG. 95 is a front elevation view of a twelfth embodiment of the adapter used with an accessory-host interface;
FIG. 96 is a reverse elevation view of a twelfth embodiment of the adapter used with an accessory-host interface;
FIG. 97 is a front perspective view of a thirteenth embodiment showing the plug end of an adapter used with an accessory-host interface disposed in a host device;
FIG. 98 is a reverse perspective view of a thirteenth embodiment showing the receptacle end of the adapter used with an accessory-host interface;
FIG. 99 is a top plan view of a thirteenth embodiment of the adapter used with an accessory-host interface;
FIG. 100 is a left side elevation view of a thirteenth embodiment of the adapter used with an accessory-host interface;
FIG. 101 is a bottom plan view of a thirteenth embodiment of the adapter used with an accessory-host interface;
FIG. 102 is a right side elevation view of a thirteenth embodiment of the adapter used with an accessory-host interface;
FIG. 103 is a front elevation view of a thirteenth embodiment of the adapter used with an accessory-host interface;
FIG. 104 is a reverse elevation view of a thirteenth embodiment of the adapter used with an accessory-host interface;
FIG. 105 is a front perspective view of a fourteenth embodiment showing the plug end of an adapter used with an accessory-host interface disposed in a host device;
FIG. 106 is a reverse perspective view of a fourteenth embodiment showing the receptacle end of the adapter used with an accessory-host interface;
FIG. 107 is a top plan view of a fourteenth embodiment of the adapter used with an accessory-host interface;
FIG. 108 is a left side elevation view of a fourteenth embodiment of the adapter used with an accessory-host interface;
FIG. 109 is a bottom plan view of a fourteenth embodiment of the adapter used with an accessory-host interface;
FIG. 110 is a right side elevation view of a fourteenth embodiment of the adapter used with an accessory-host interface;
FIG. 111 is a front elevation view of a fourteenth embodiment of the adapter used with an accessory-host interface;
FIG. 112 is a reverse elevation view of a fourteenth embodiment of the adapter used with an accessory-host interface;
FIG. 113 is a front perspective view of a fifteenth embodiment showing the plug end of an adapter used with an accessory-host interface disposed in a host device;
FIG. 114 is a reverse perspective view of a fifteenth embodiment showing the receptacle end of the adapter used with an accessory-host interface;
FIG. 115 is a top plan view of a fifteenth embodiment of the adapter used with an accessory-host interface;
FIG. 116 is a left side elevation view of a fifteenth embodiment of the adapter used with an accessory-host interface;
FIG. 117 is a bottom plan view of a fifteenth embodiment of the adapter used with an accessory-host interface;
FIG. 118 is a right side elevation view of a fifteenth embodiment of the adapter used with an accessory-host interface;
FIG. 119 is a front elevation view of a fifteenth embodiment of the adapter used with an accessory-host interface; and,
FIG. 120 is a reverse elevation view of a fifteenth embodiment of the adapter used with an accessory-host interface.

The broken lines in the drawings illustrate unclaimed portions of the adapter used with an accessory-host interface and form no part of the claimed invention.

The ornamental design disclosed in this application is for an adapter used with an accessory-host interface wherein one end of the adapter is received in a receptacle disposed in a host

device, such as an oscilloscope, logic analyzer, spectrum analyzer, signal generator and the like, and the other end of the adapter receives an accessory device, such as a signal measurement probe, temperature probe and the like.

1 Claim, 45 Drawing Sheets

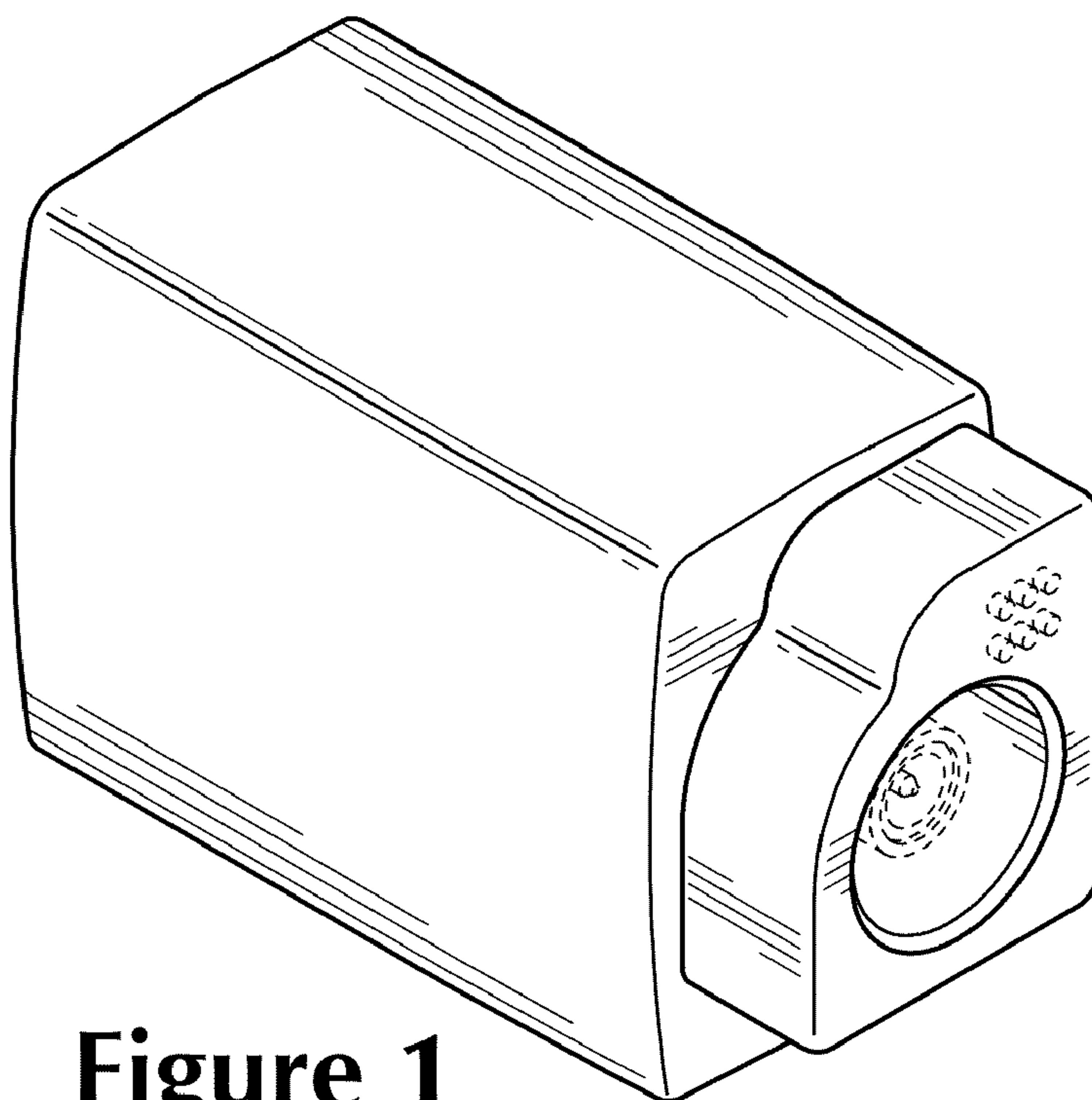


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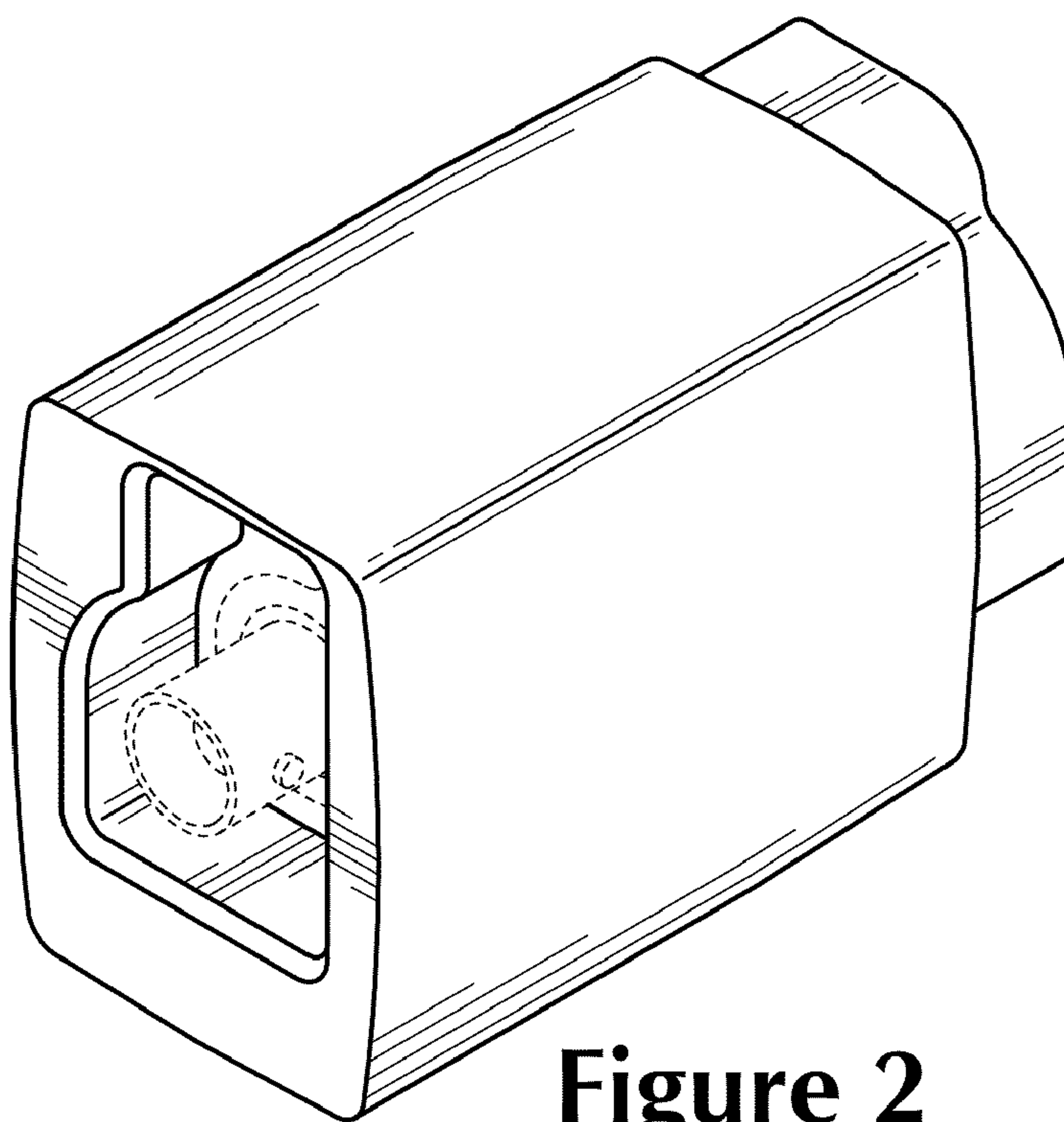


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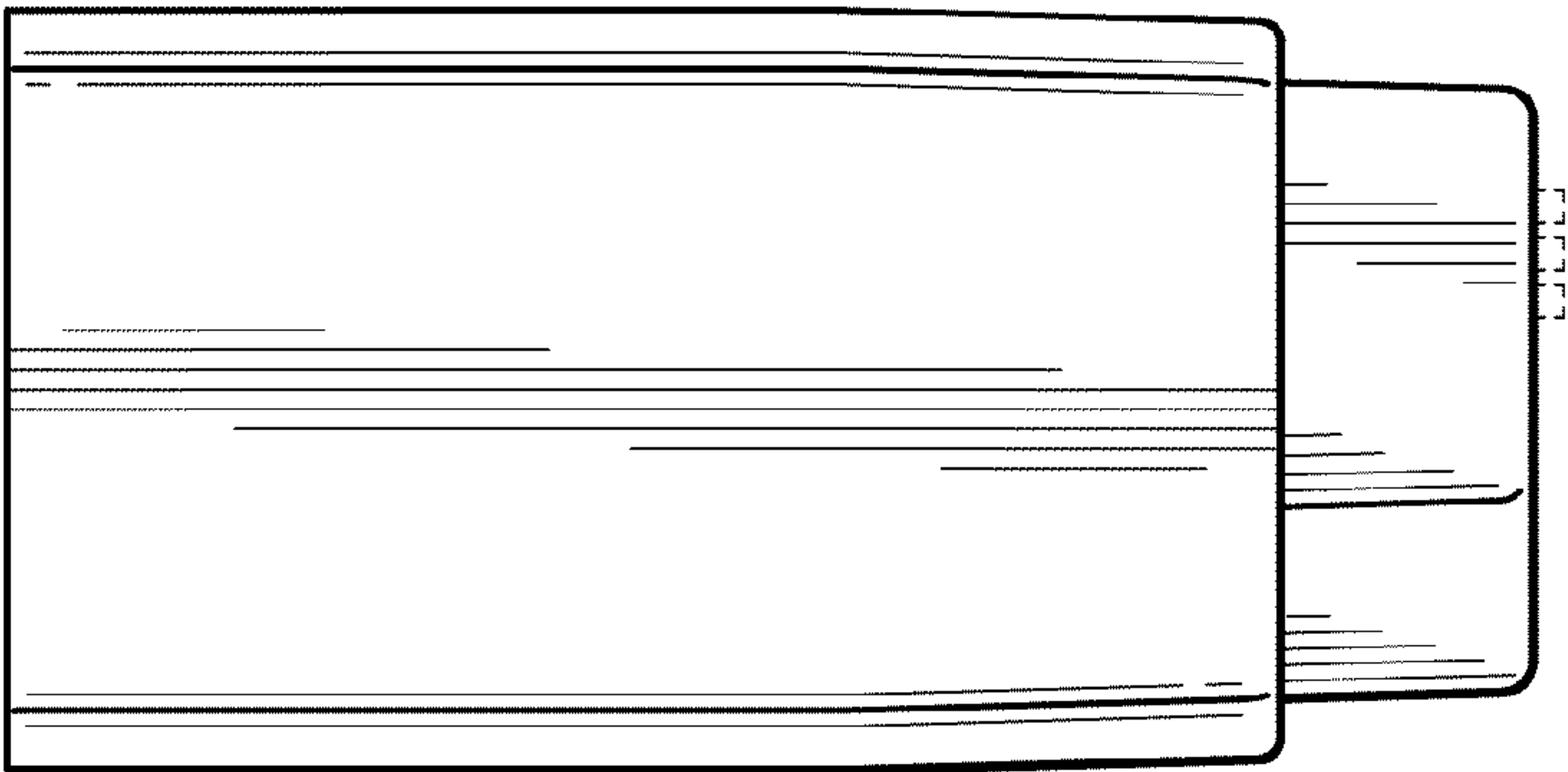


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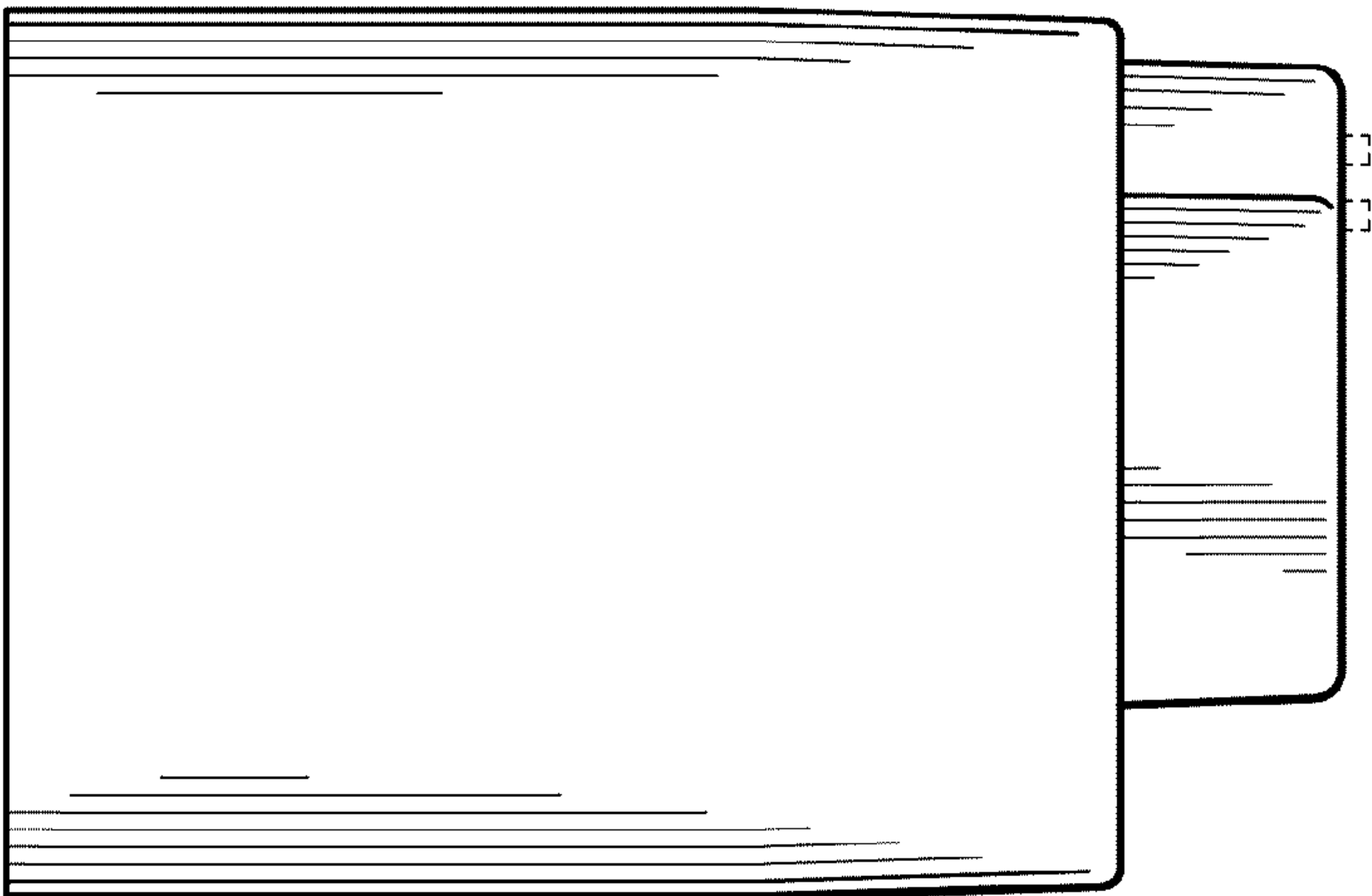


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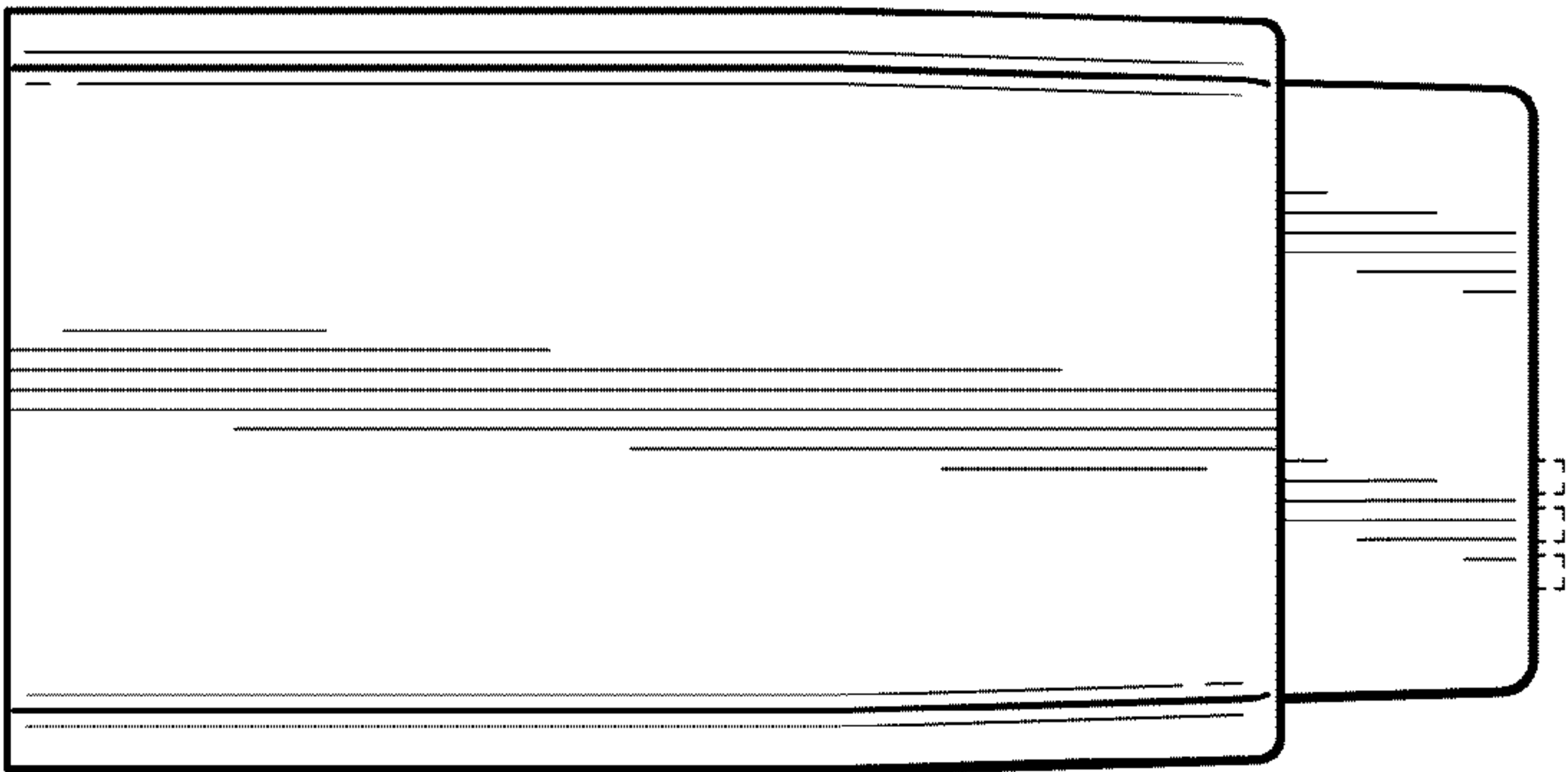


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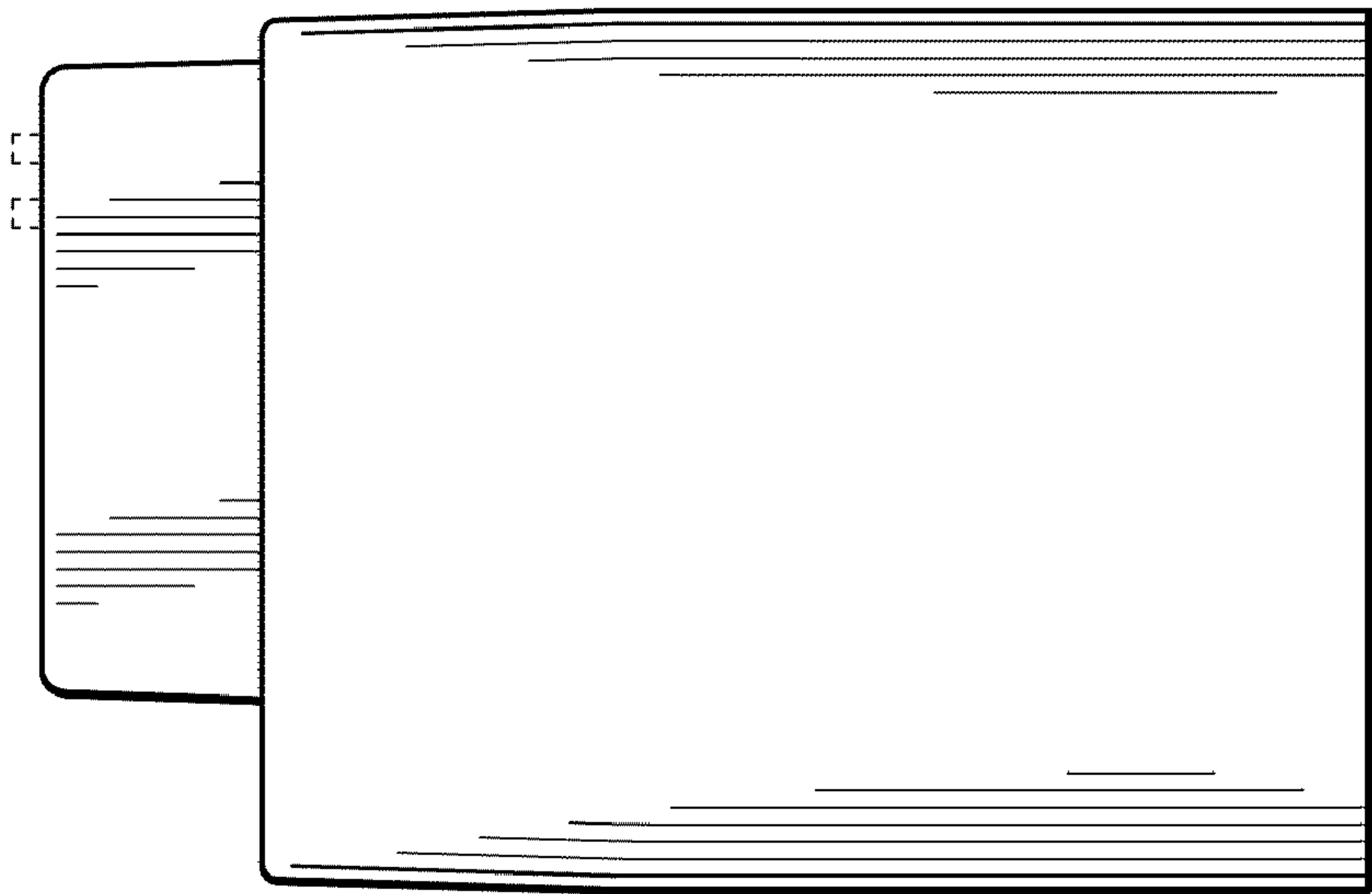


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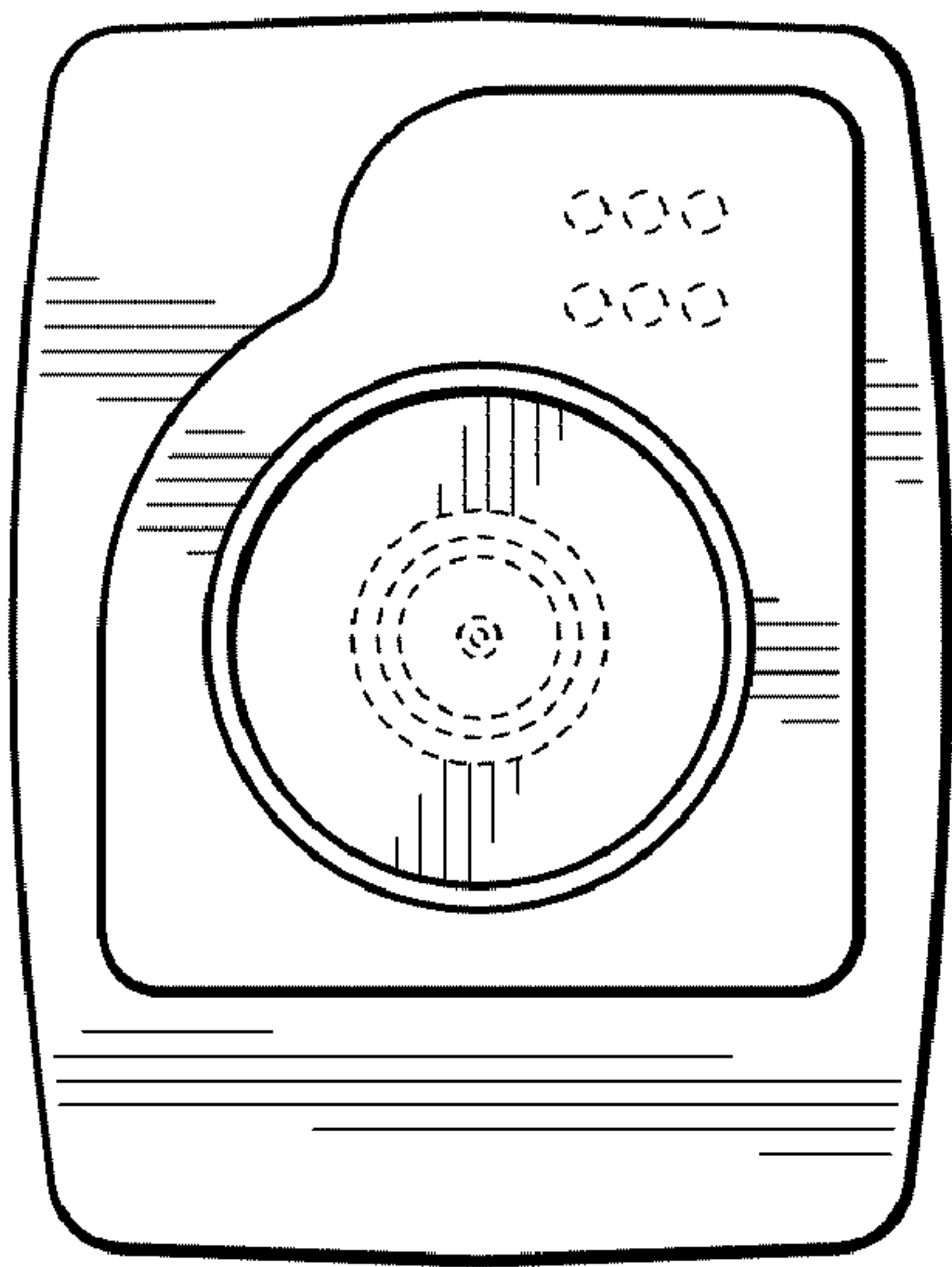


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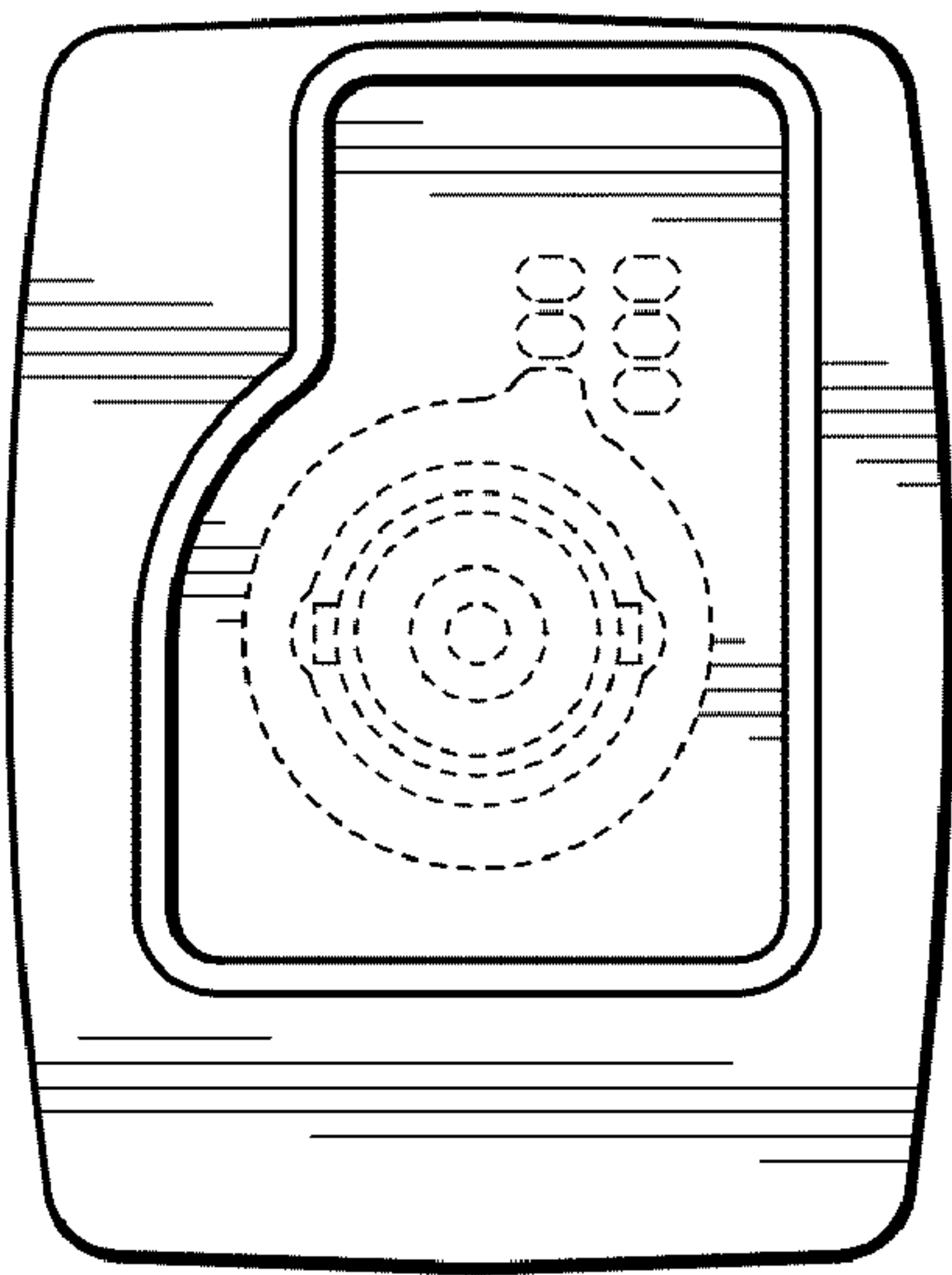


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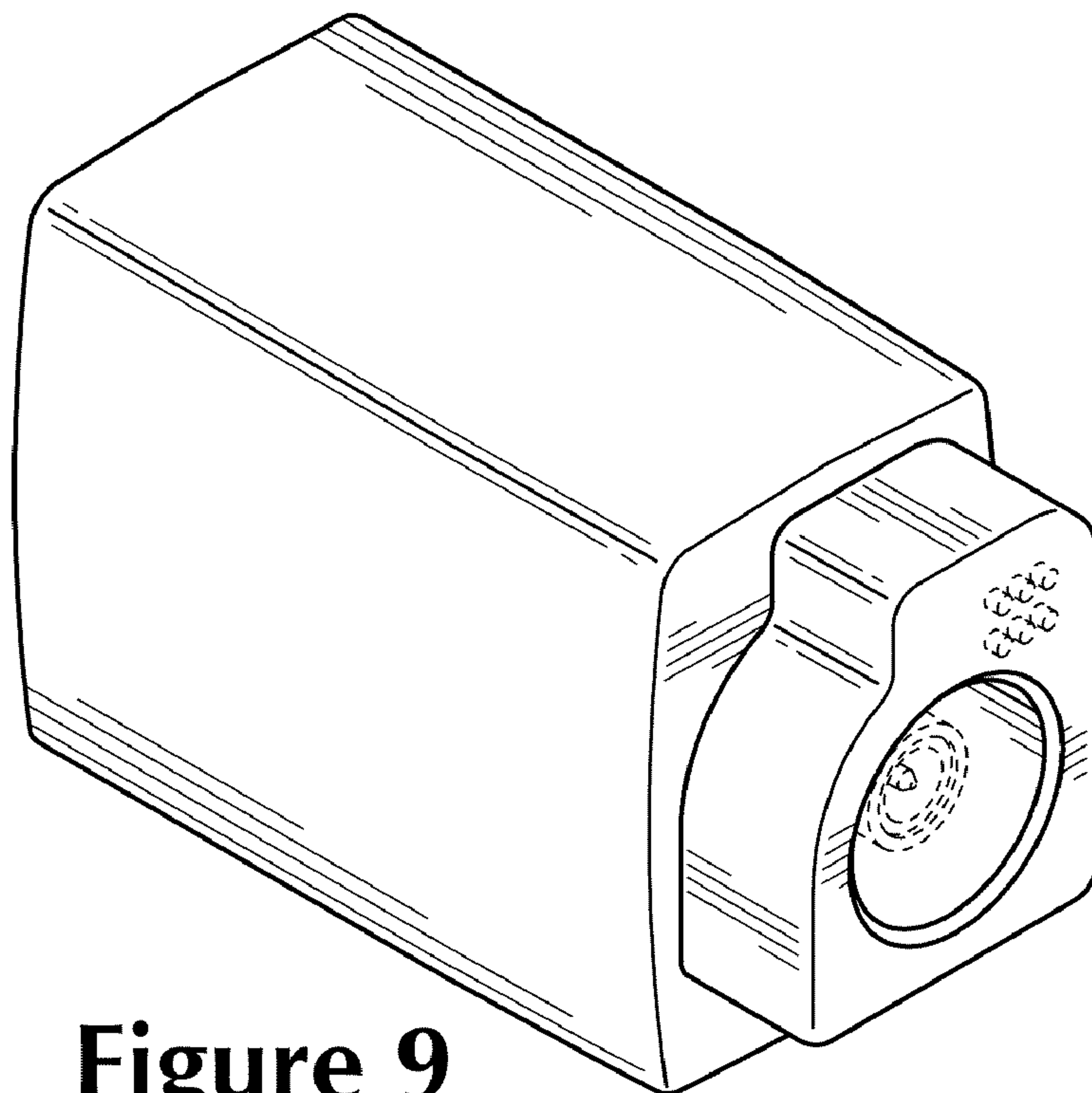


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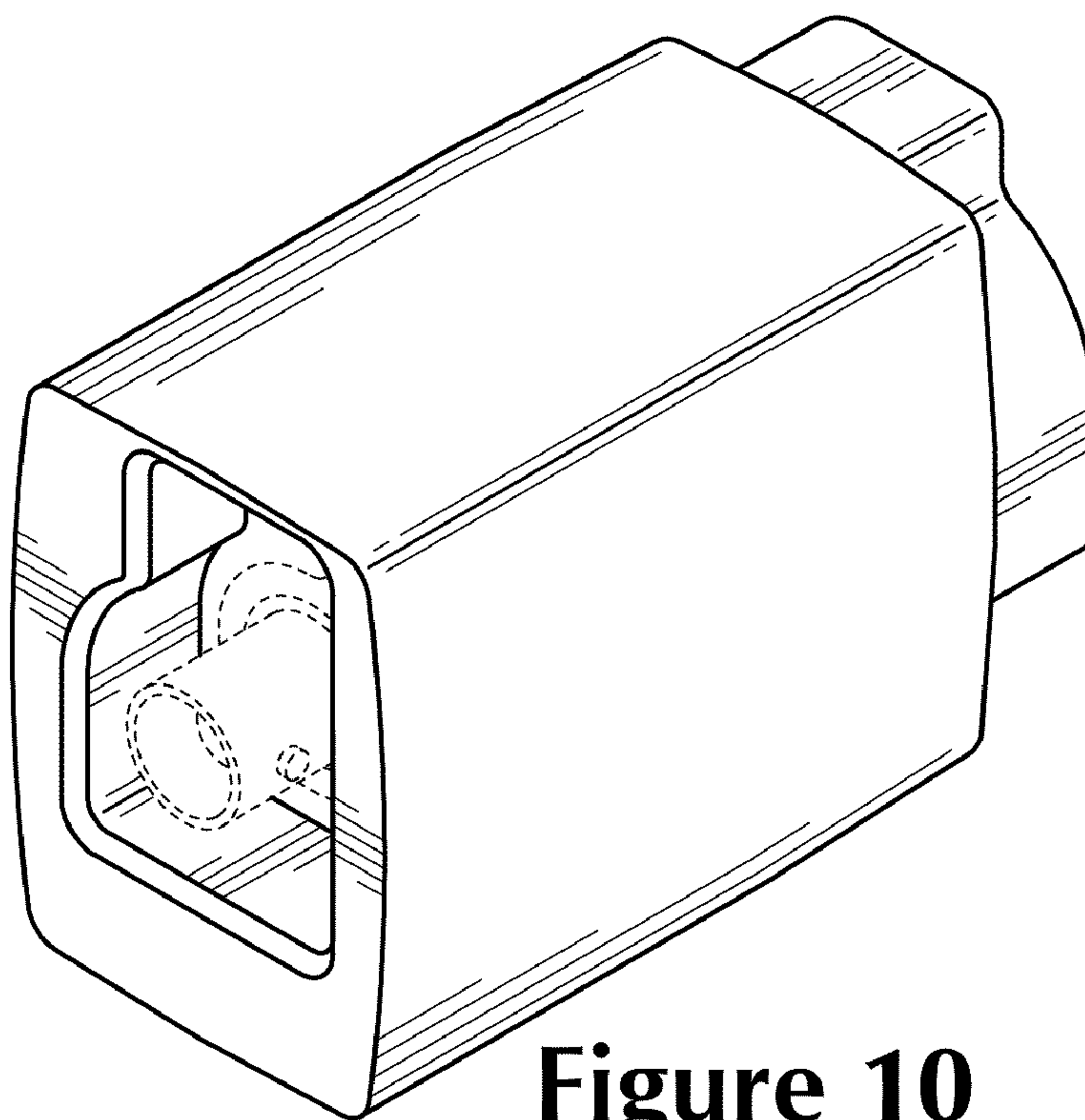


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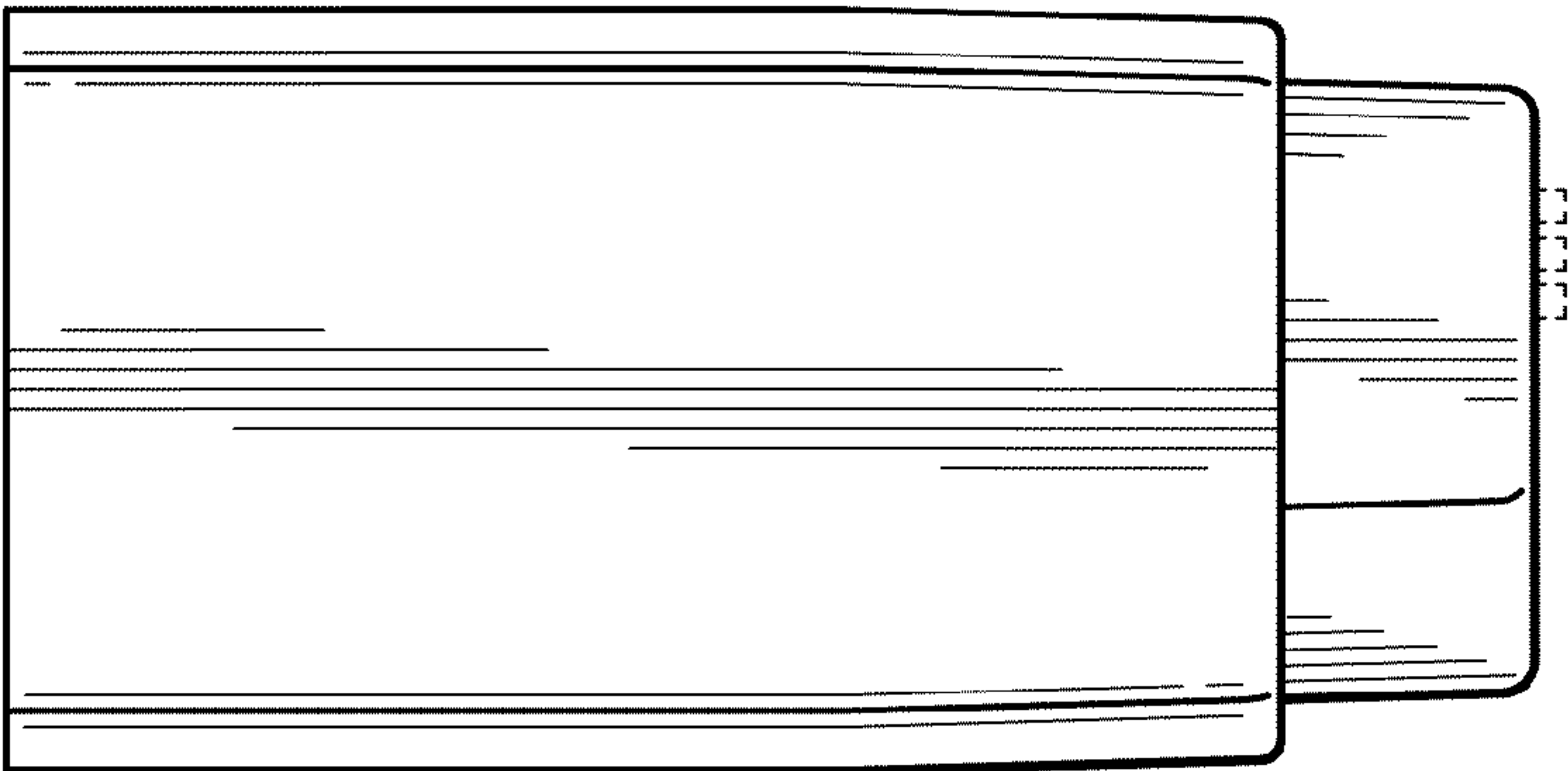


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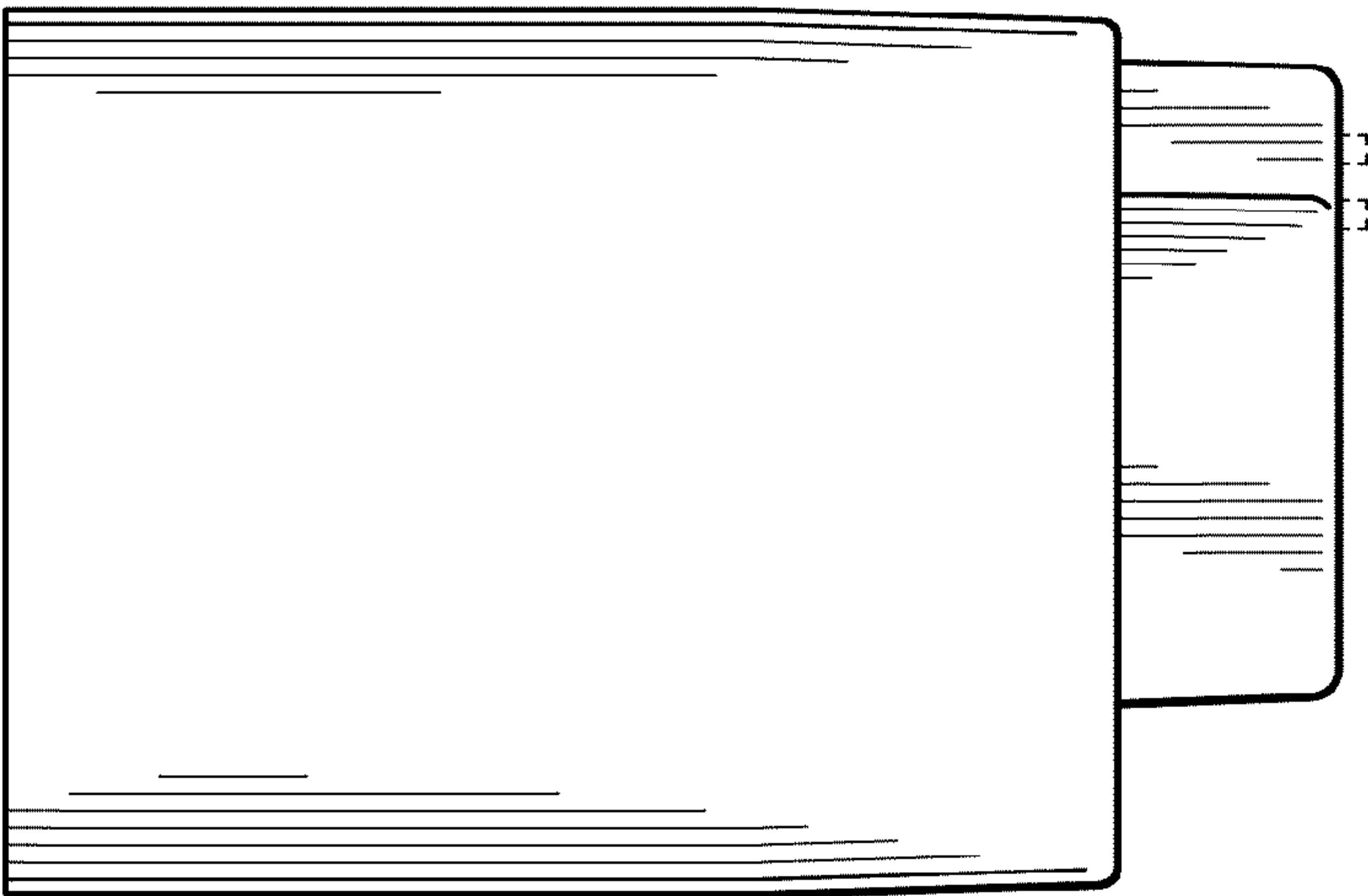


Figure 12

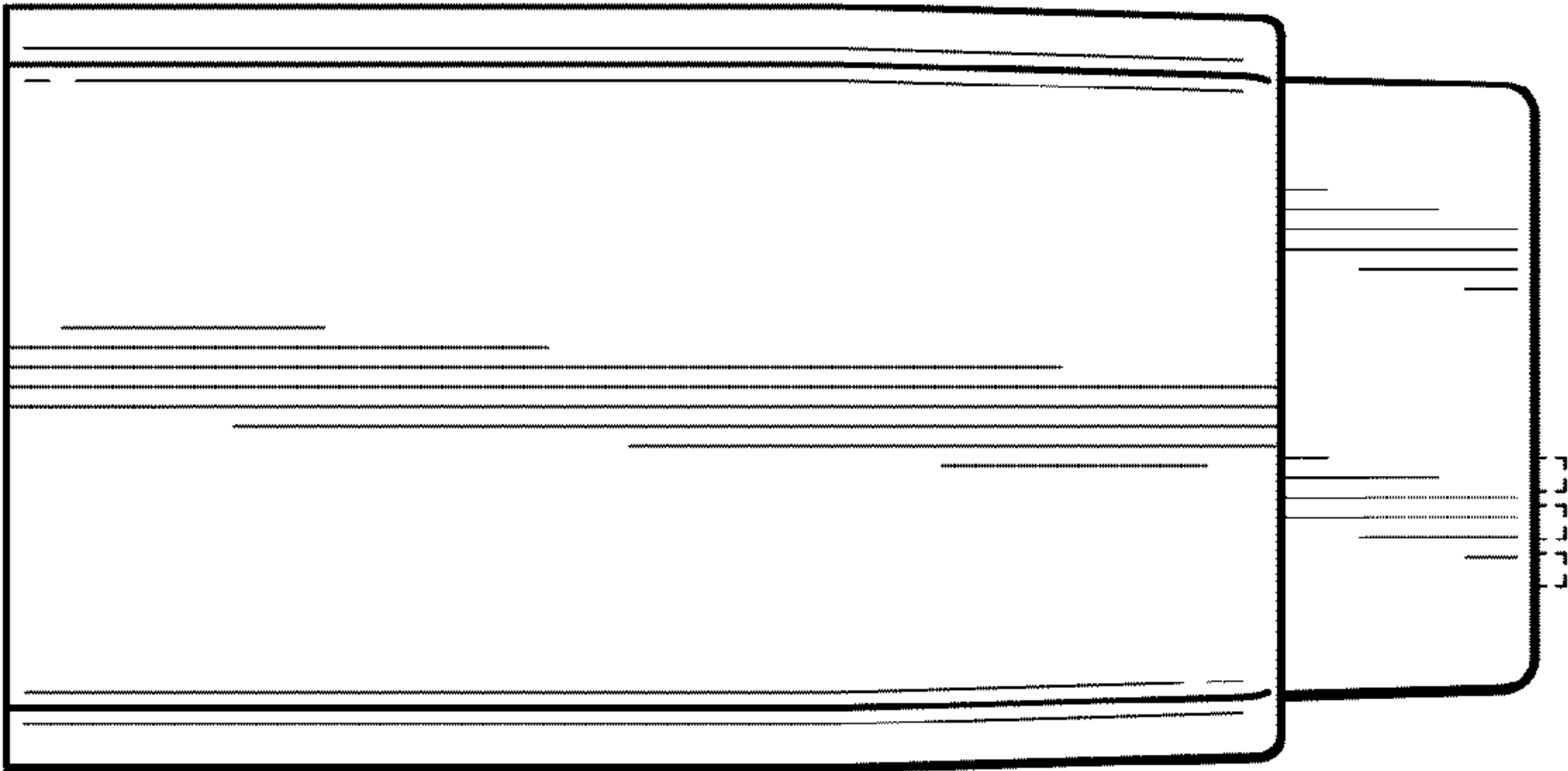


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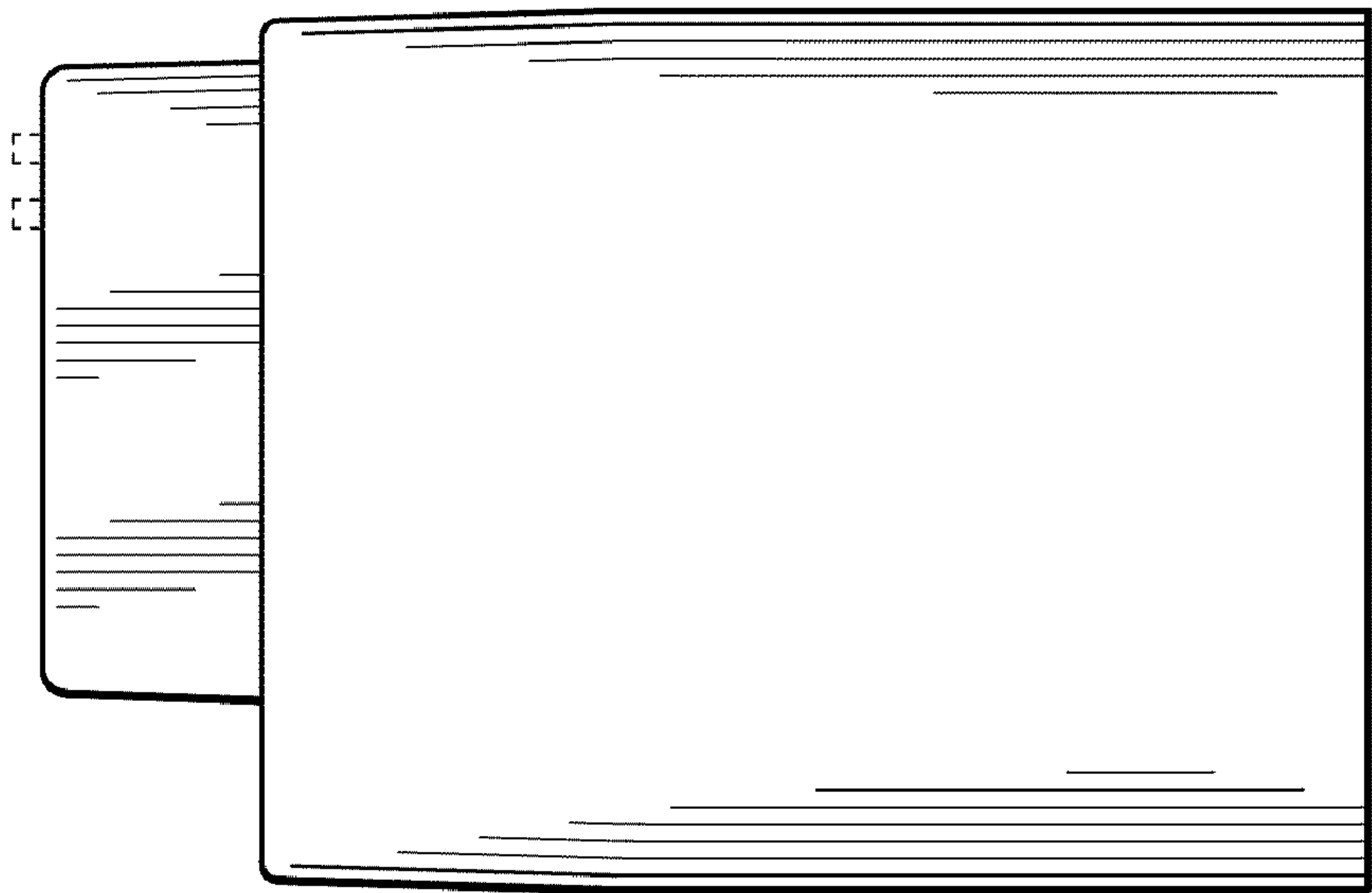


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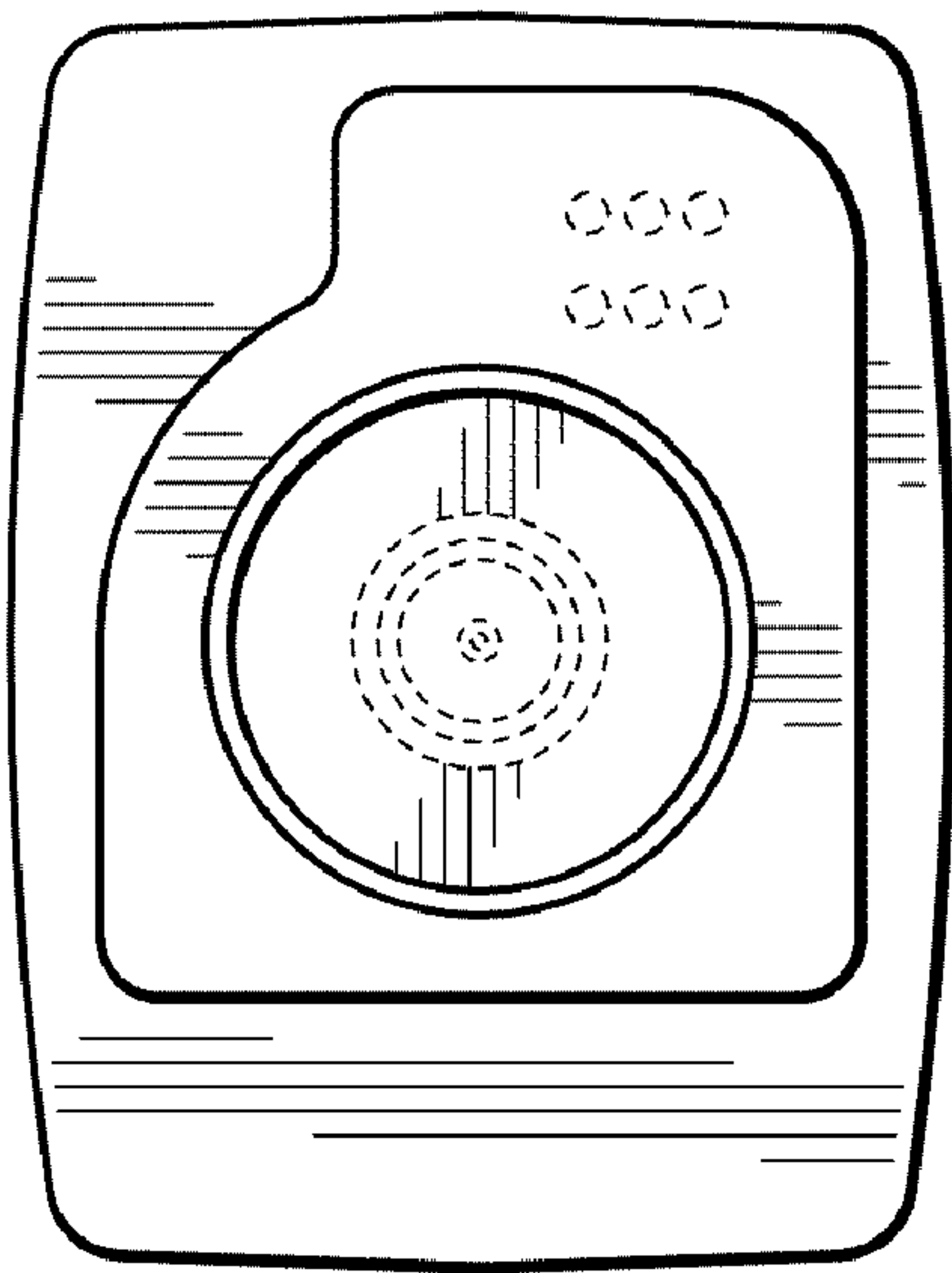


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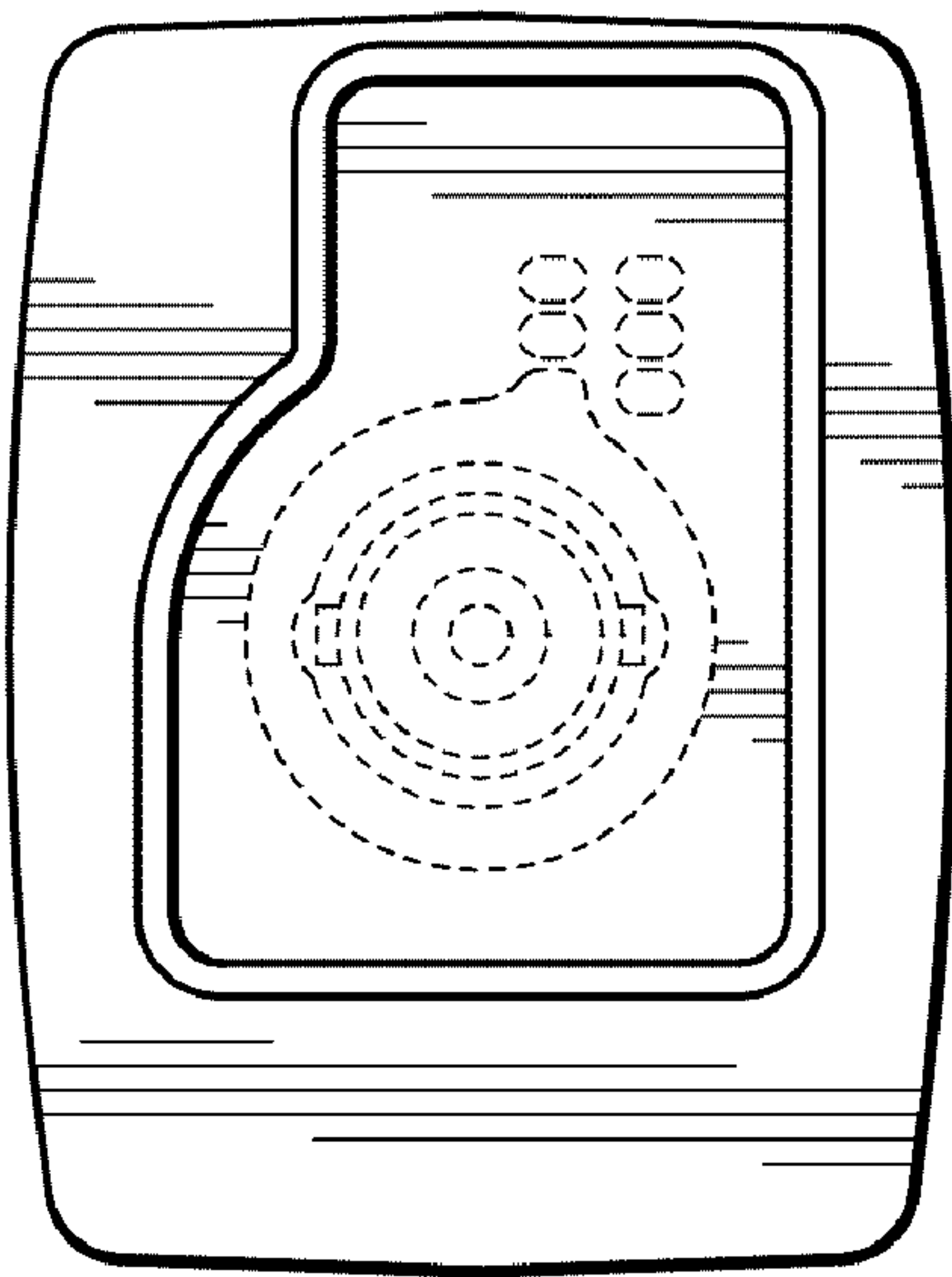


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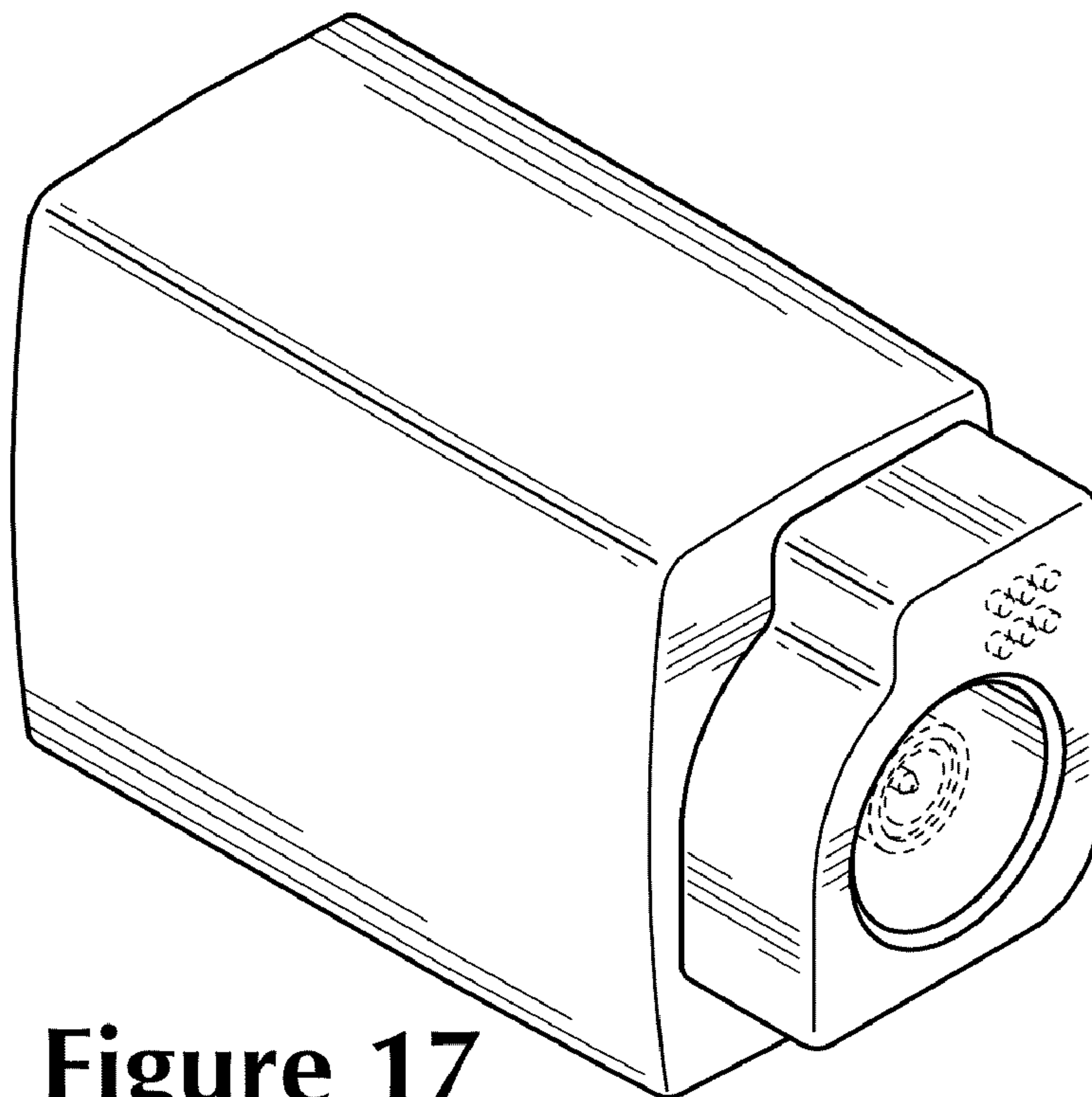


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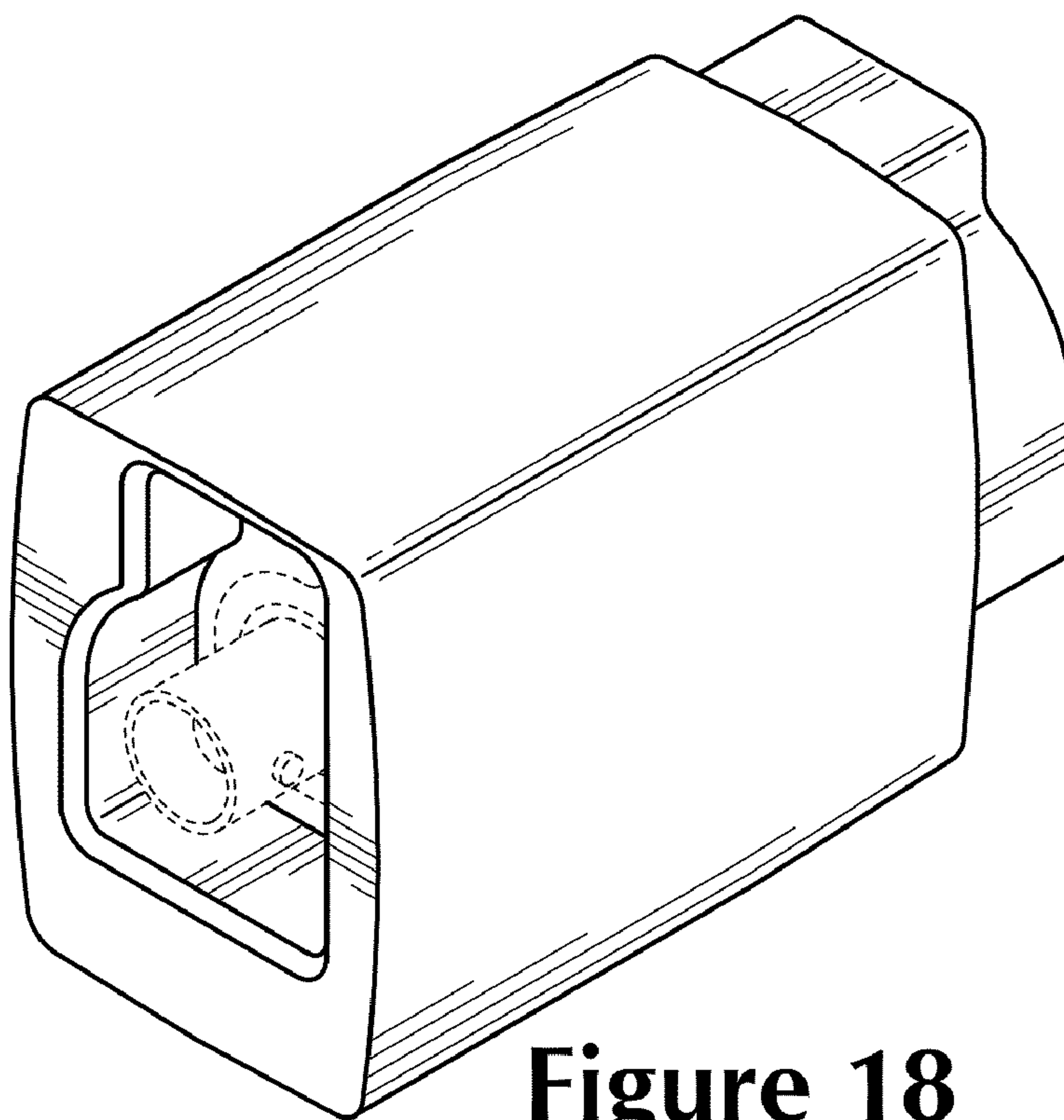


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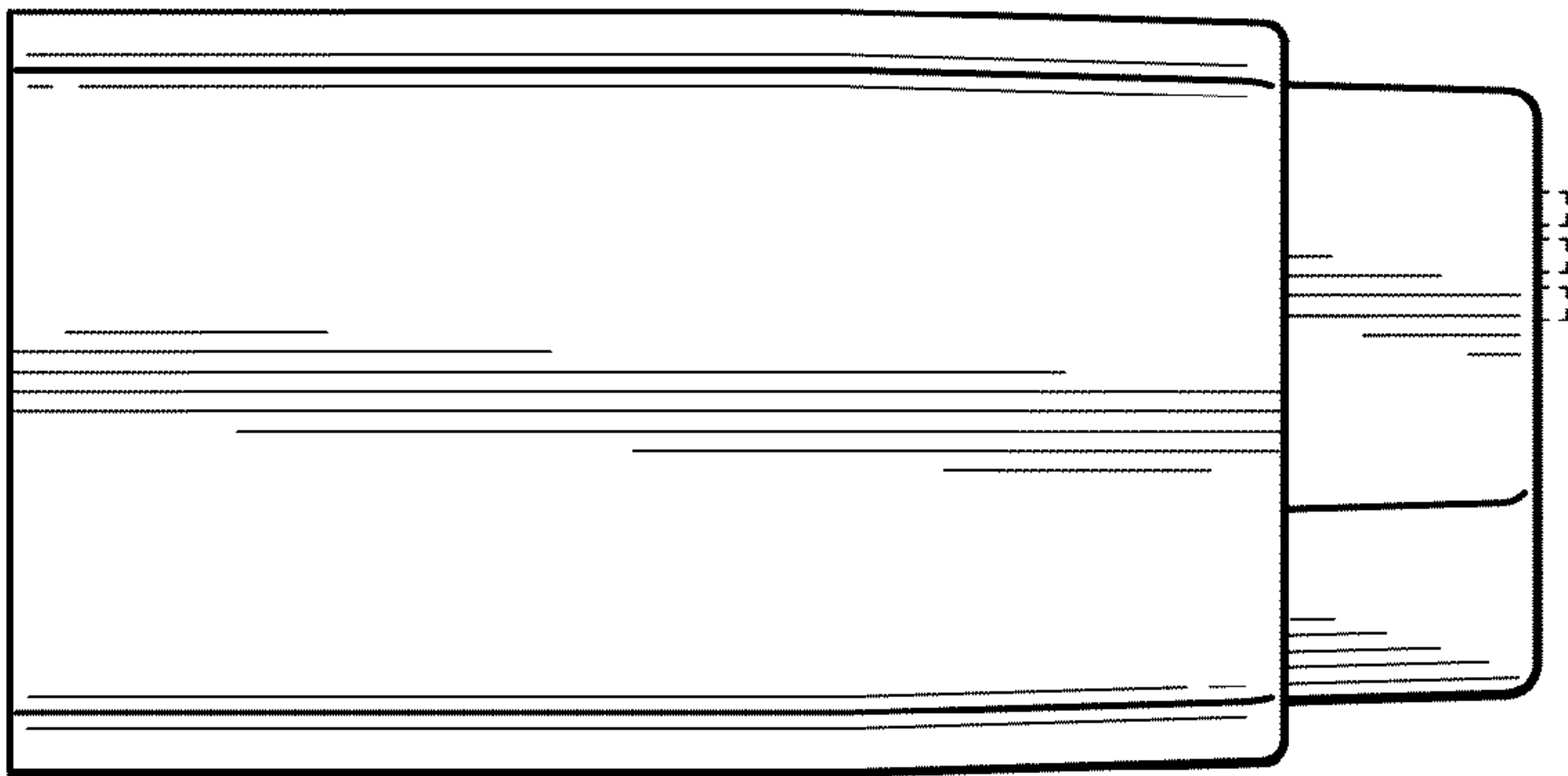


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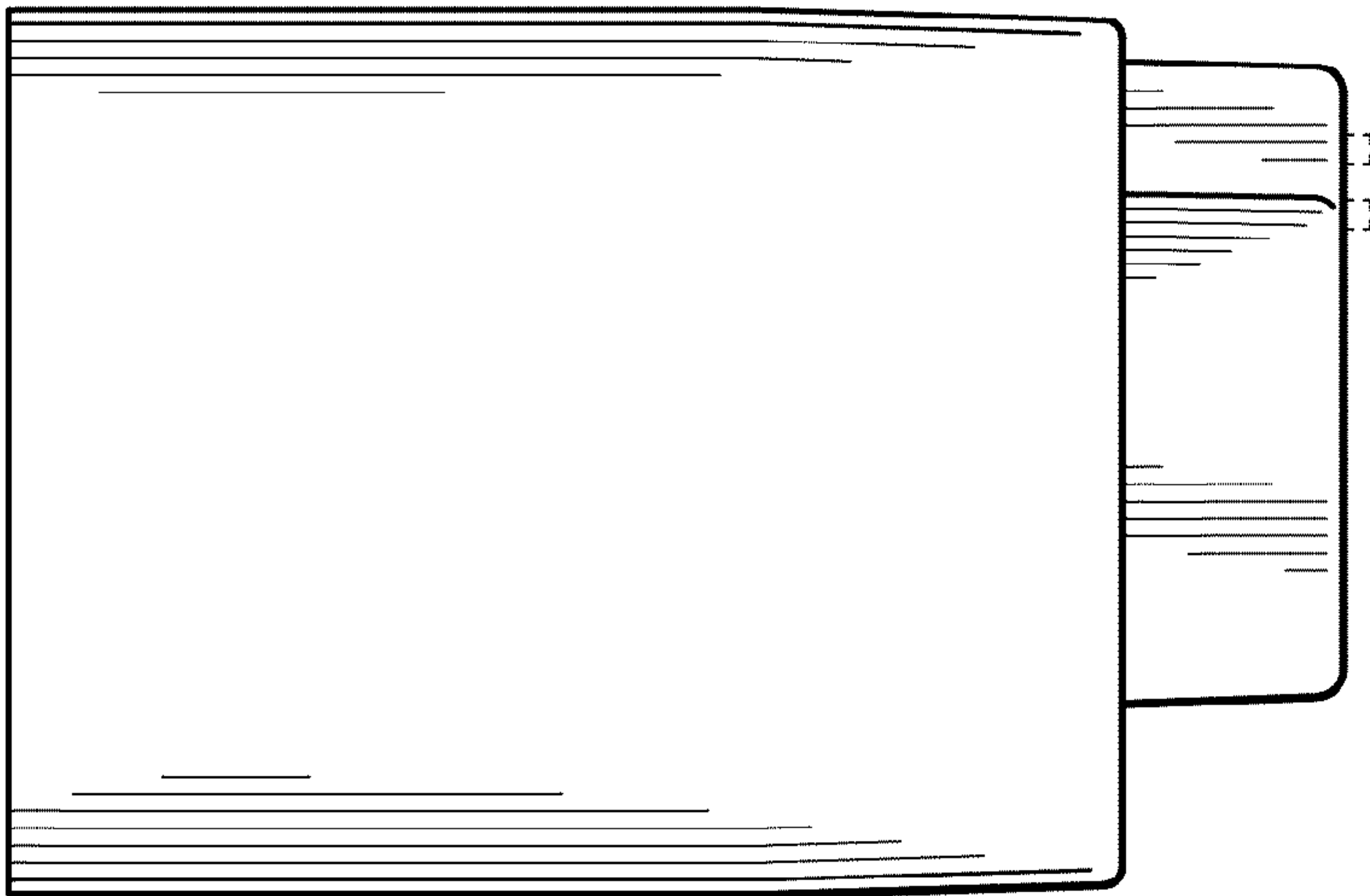


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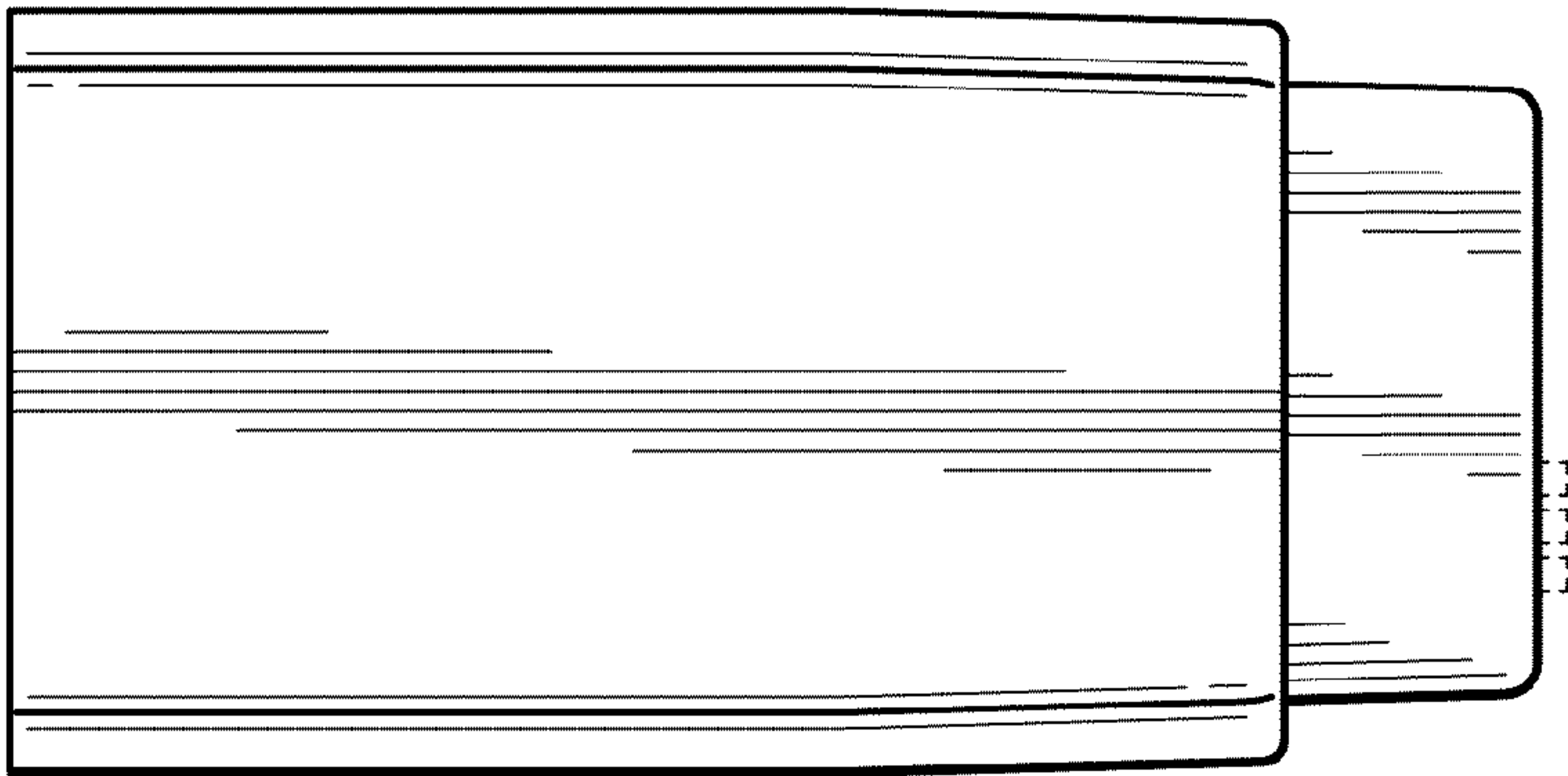


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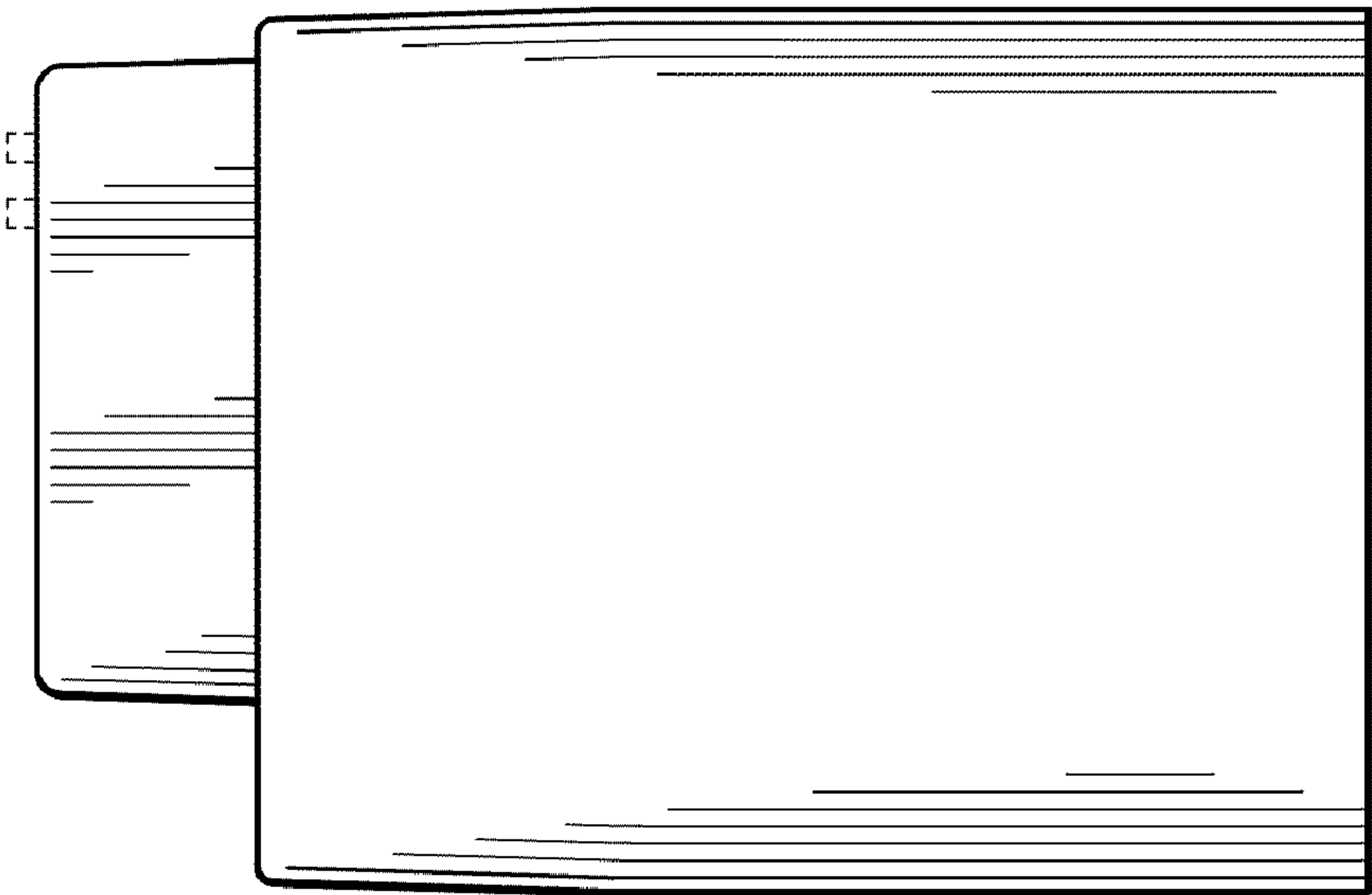


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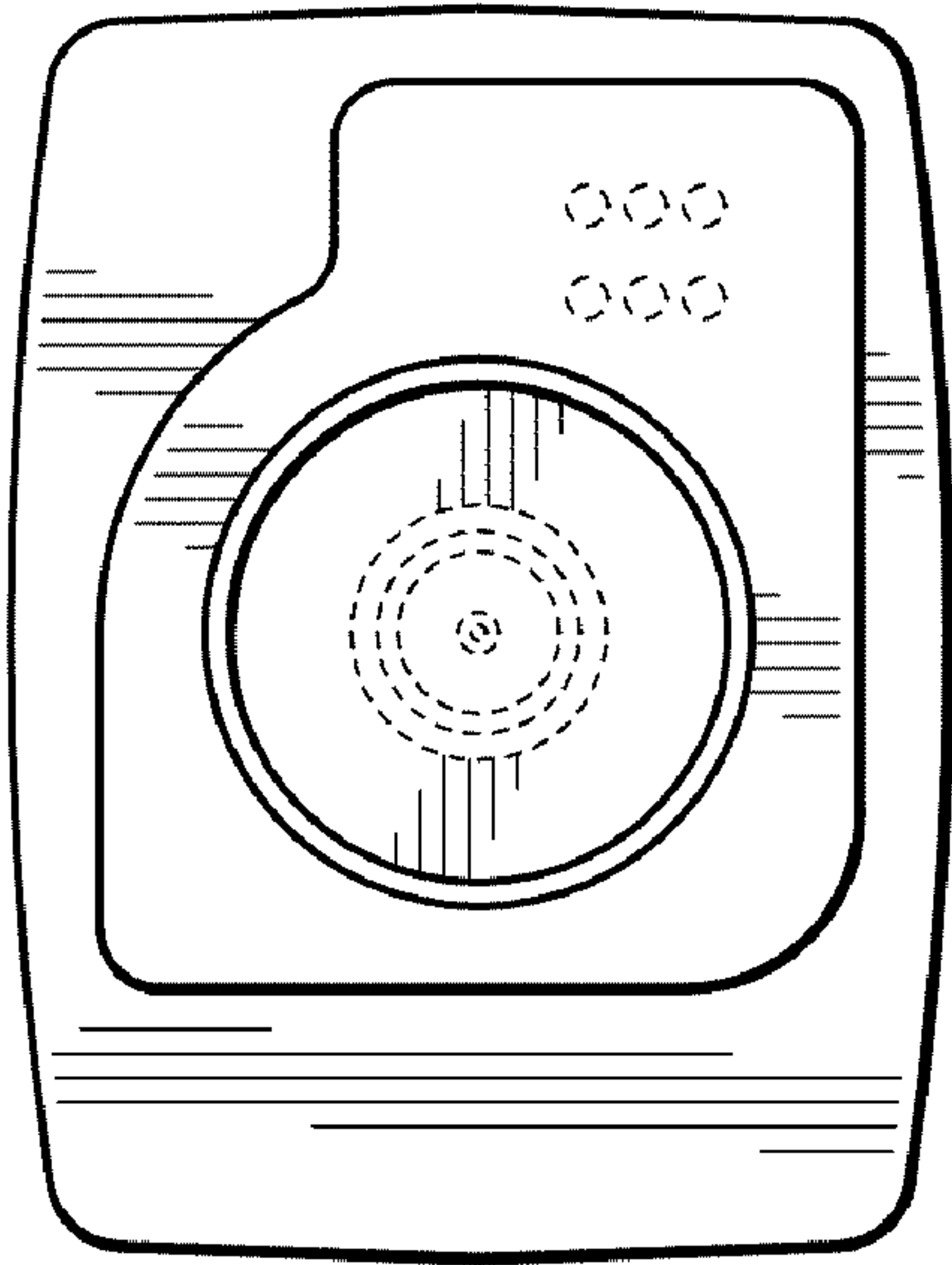


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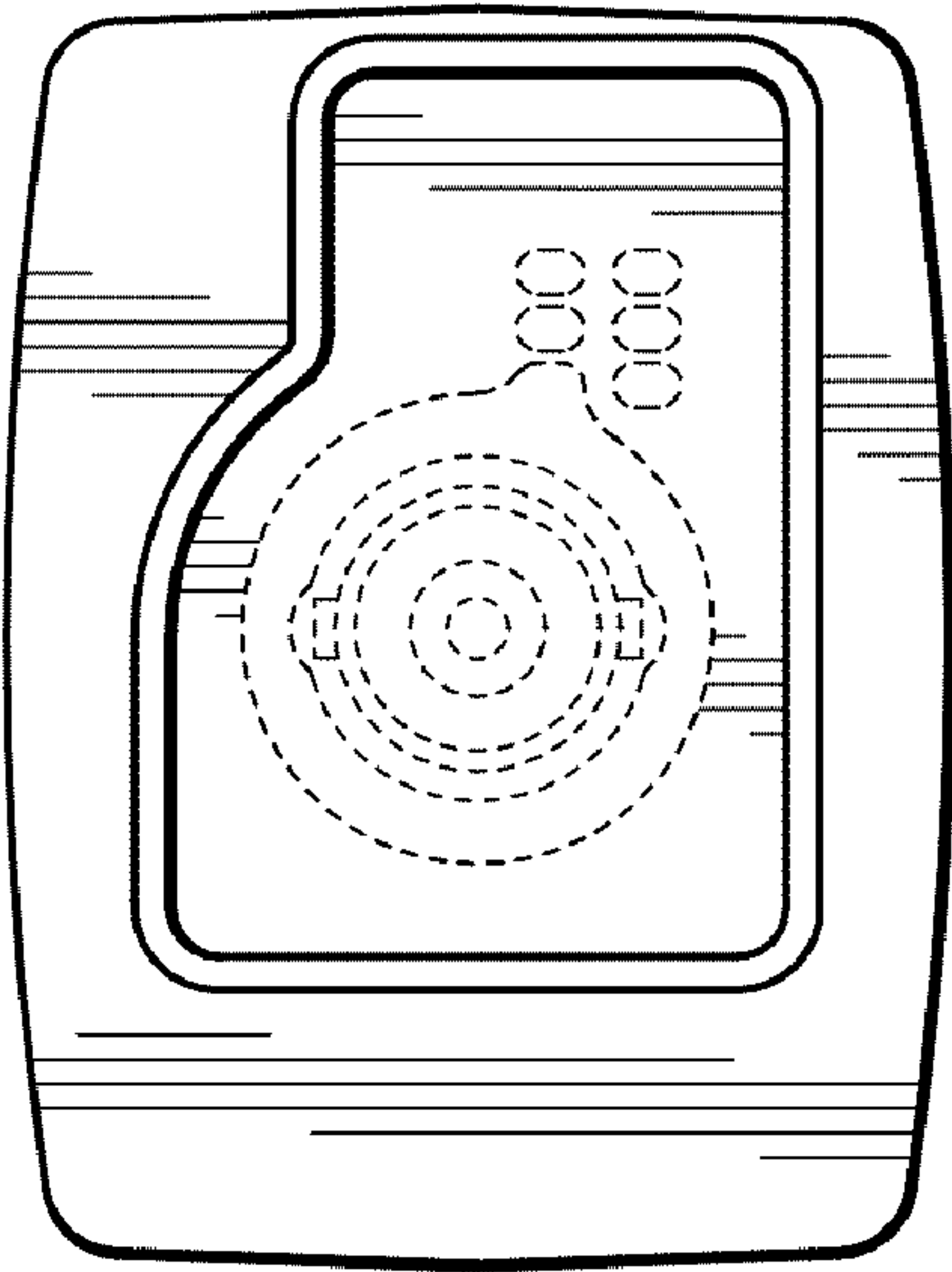


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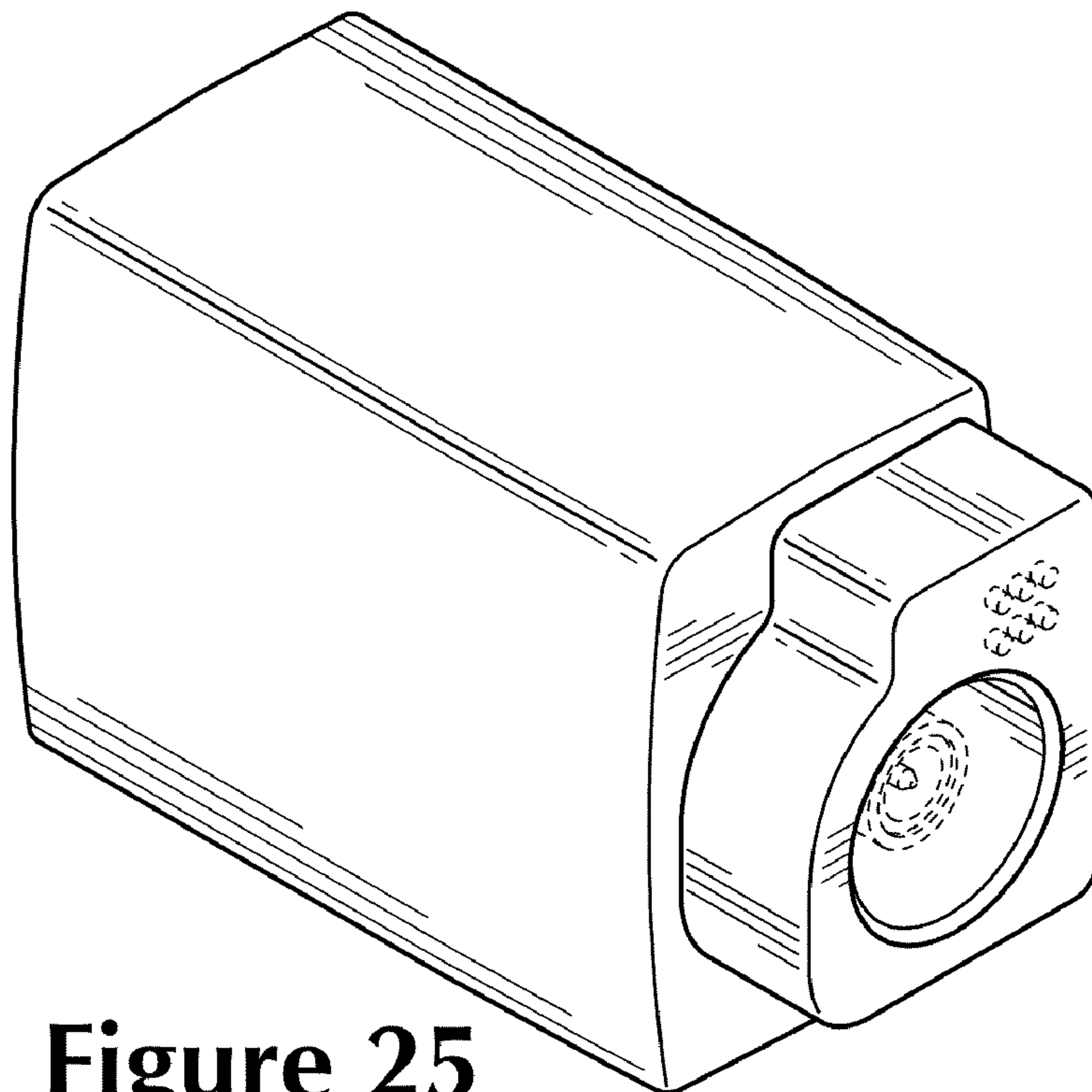


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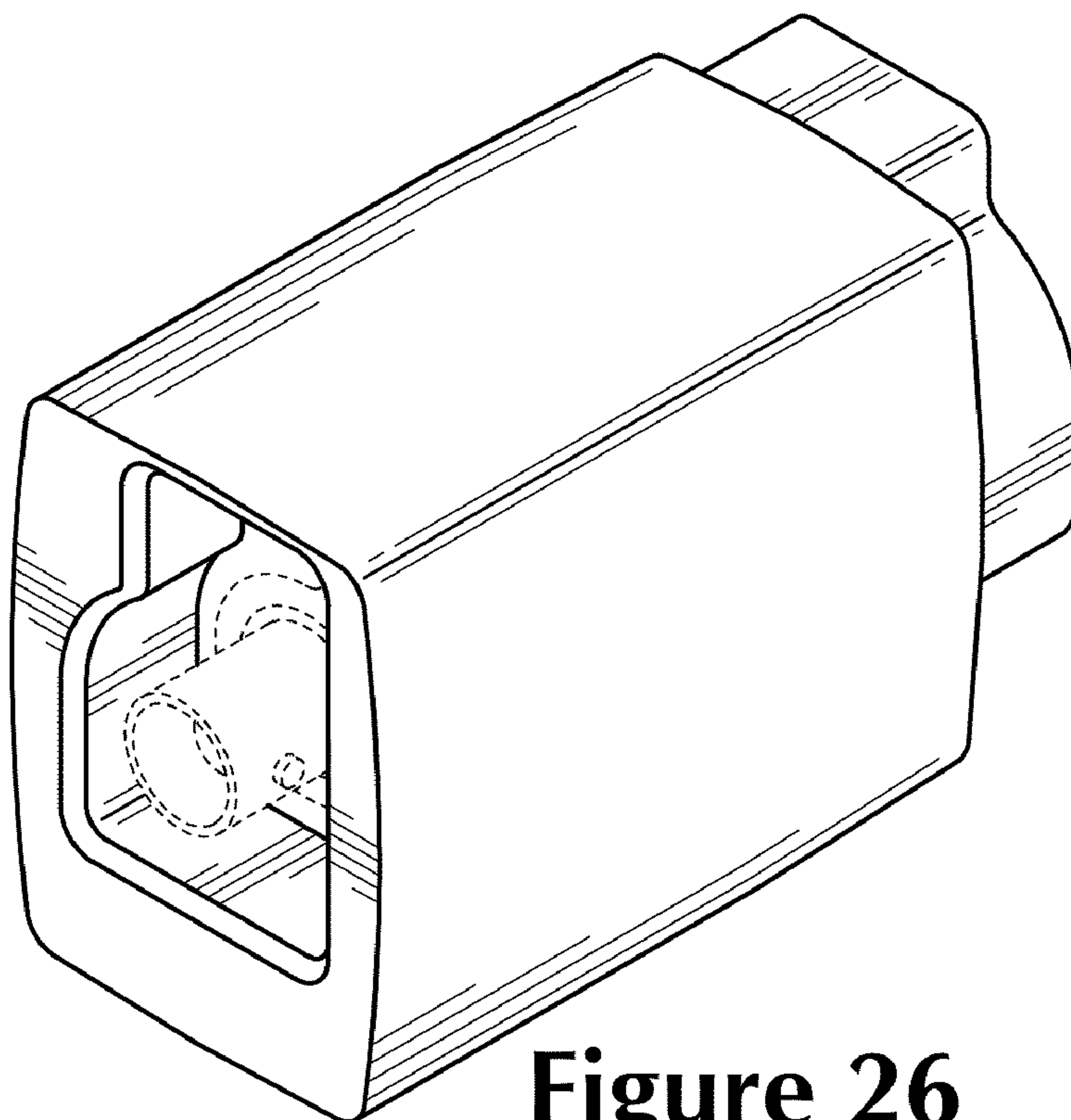


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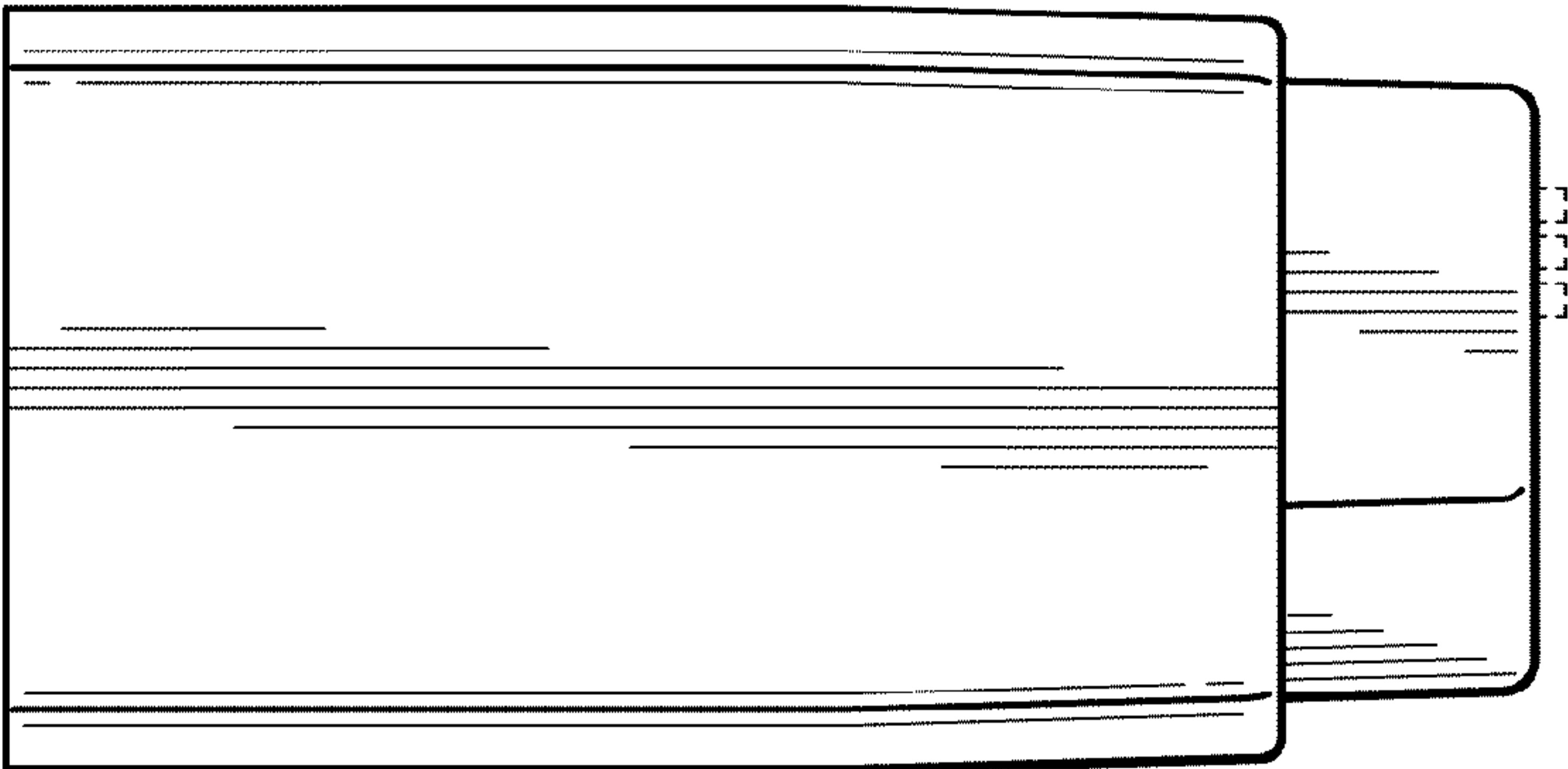


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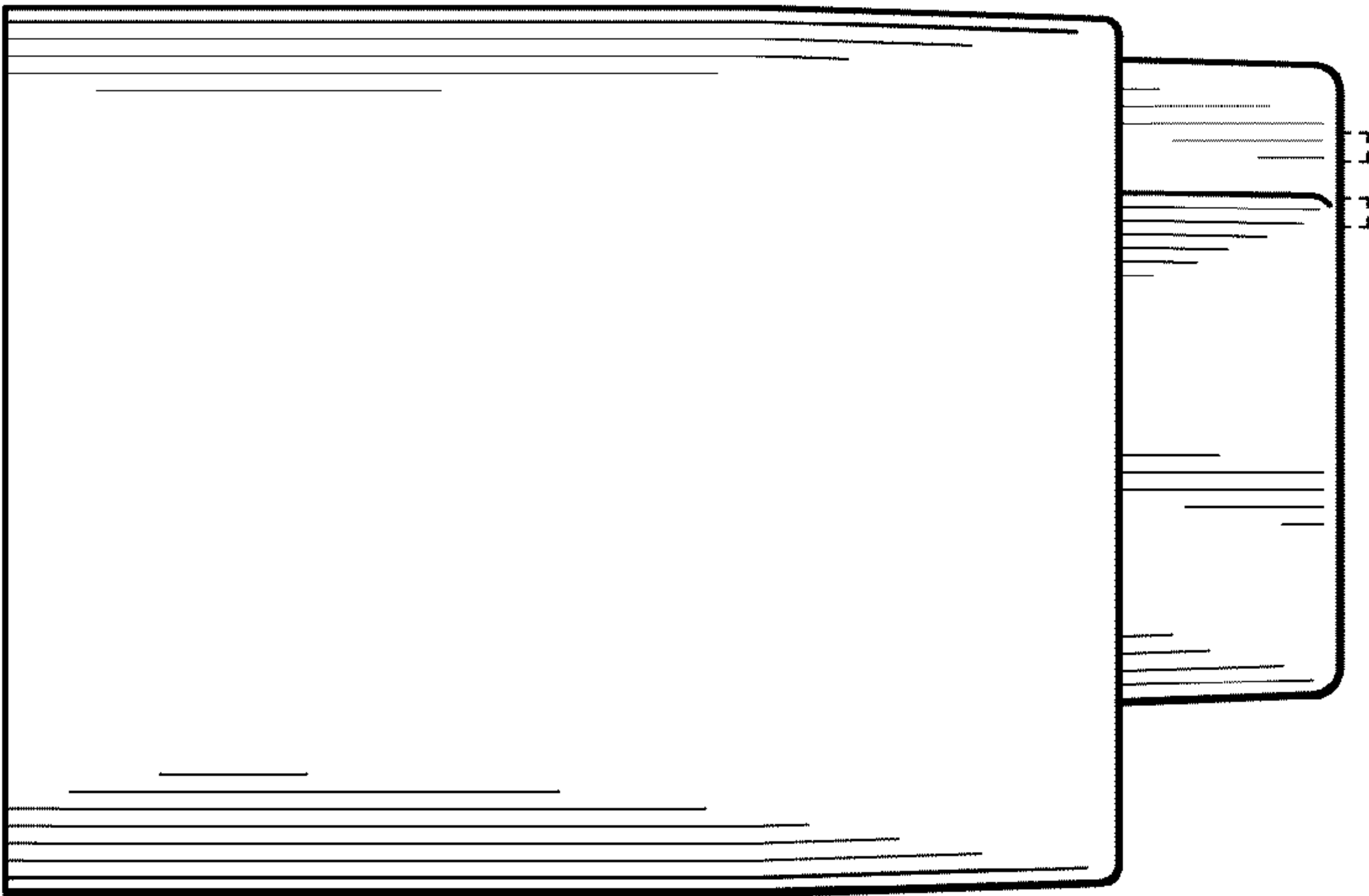


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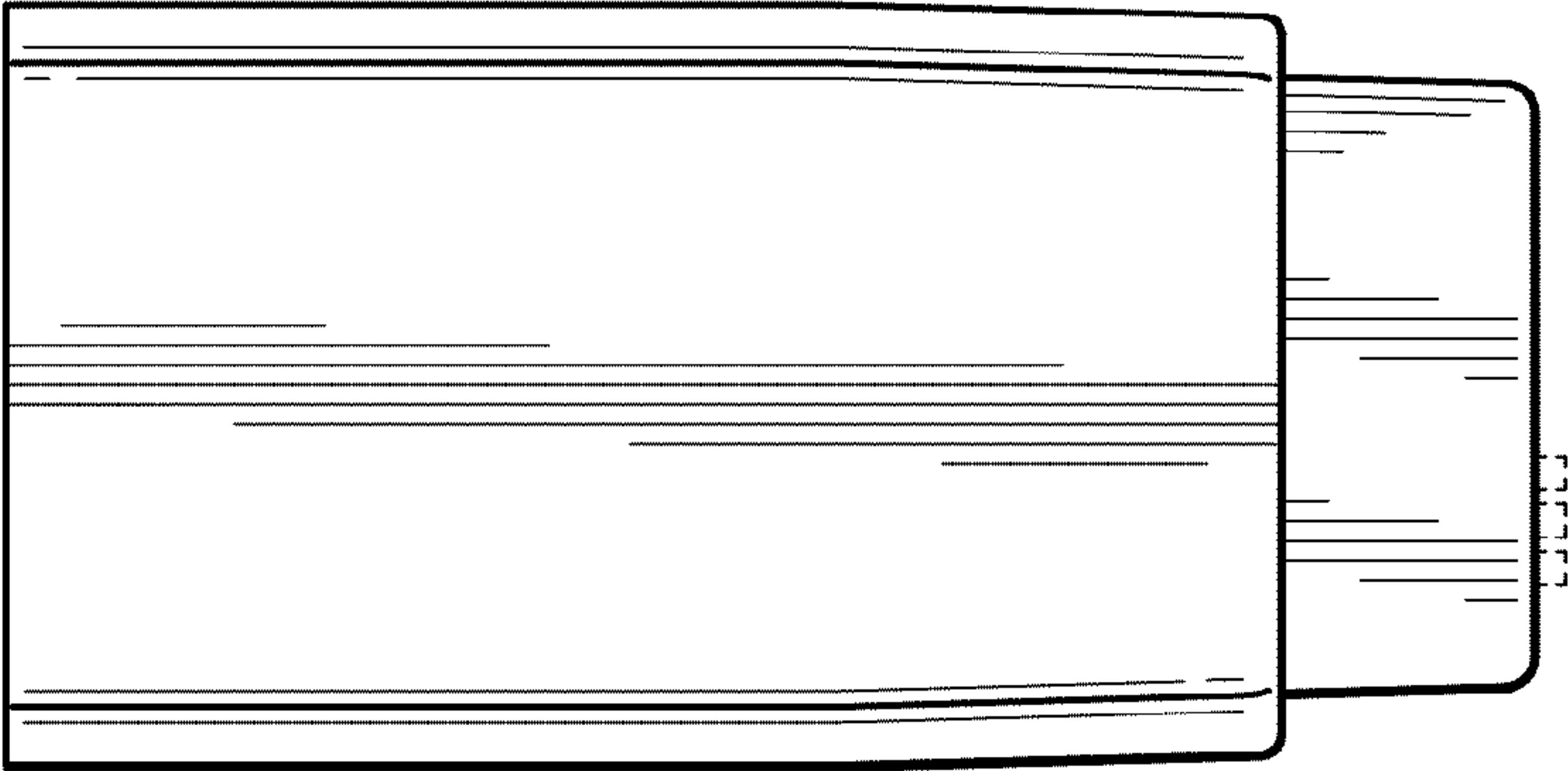


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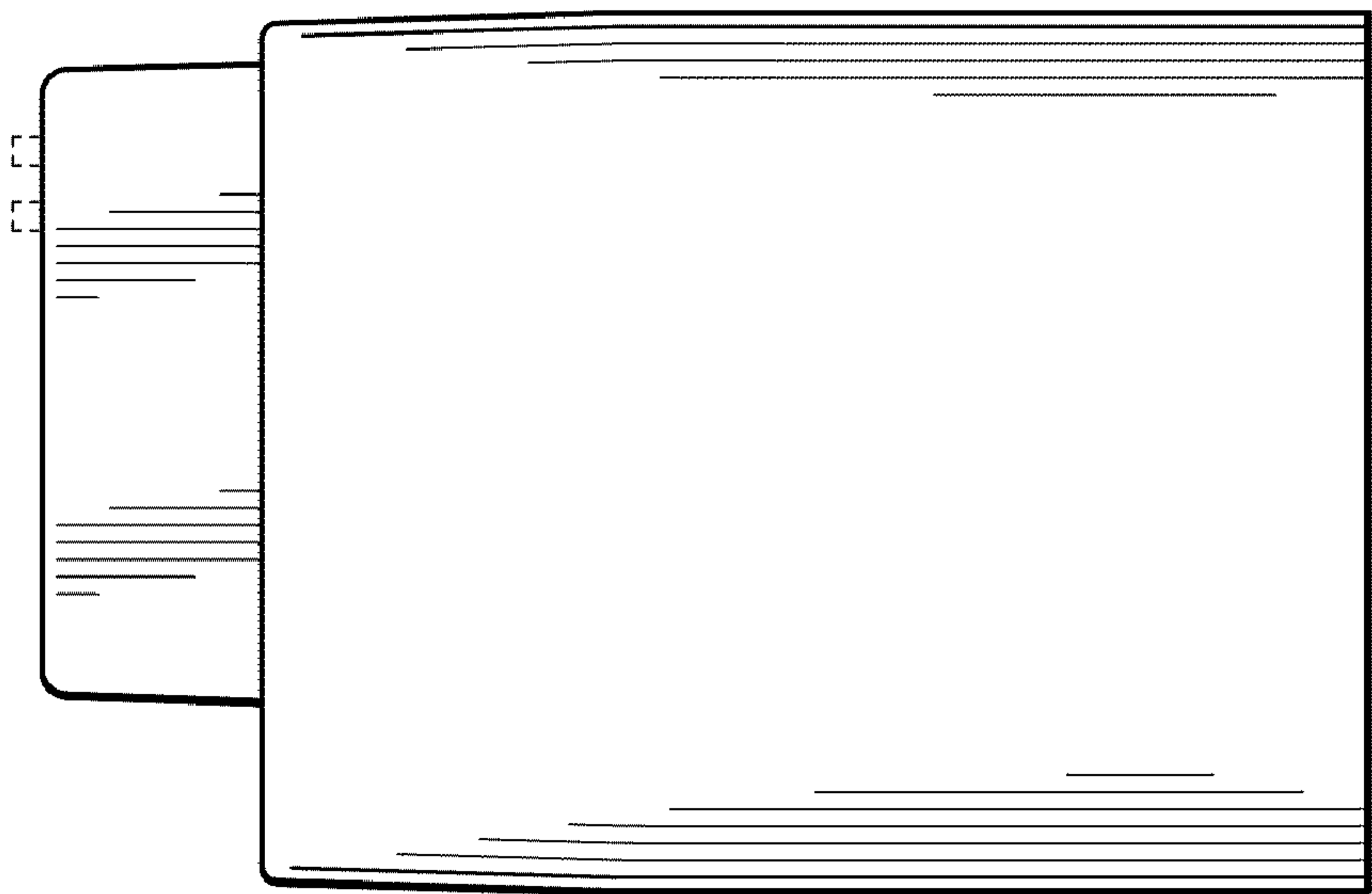


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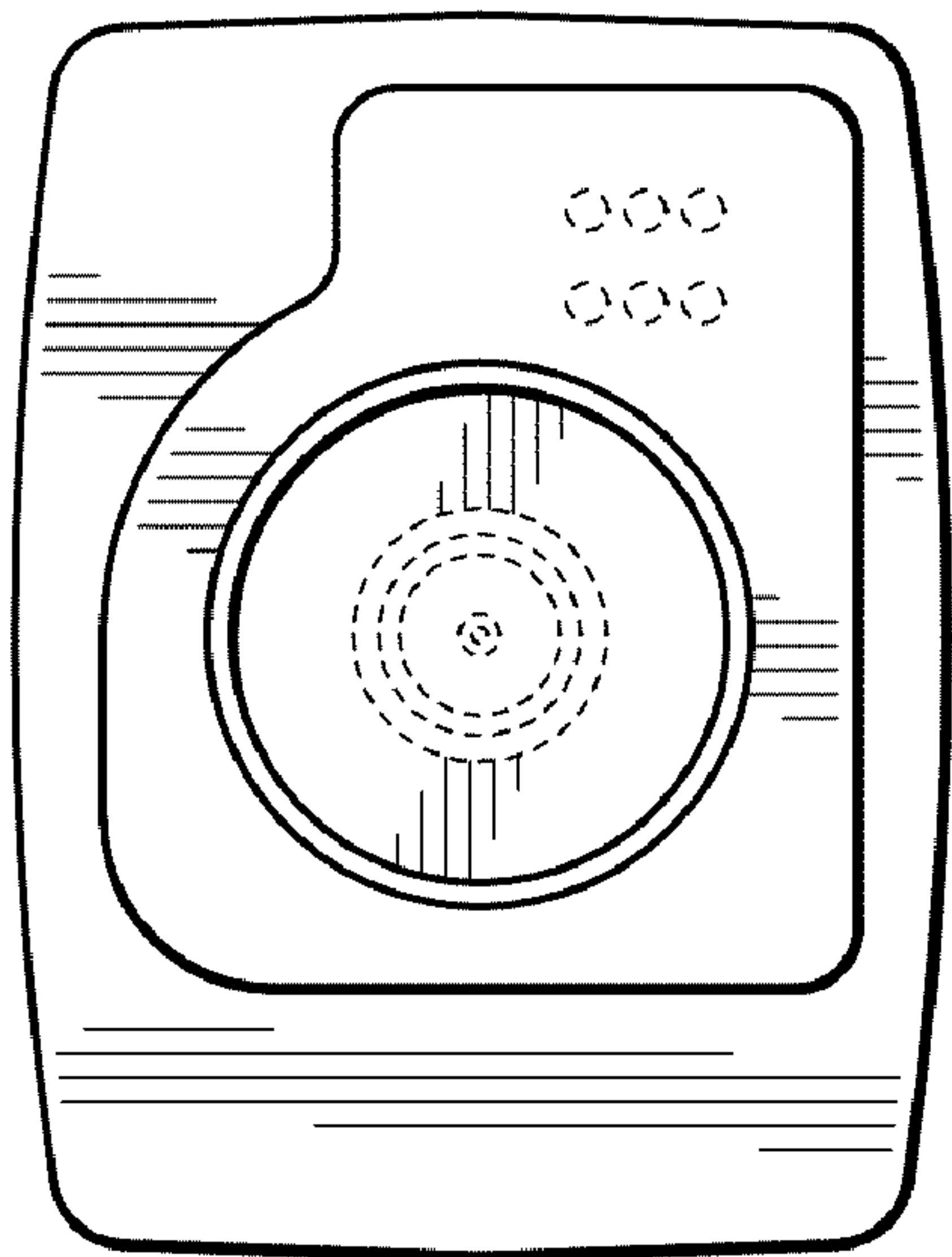


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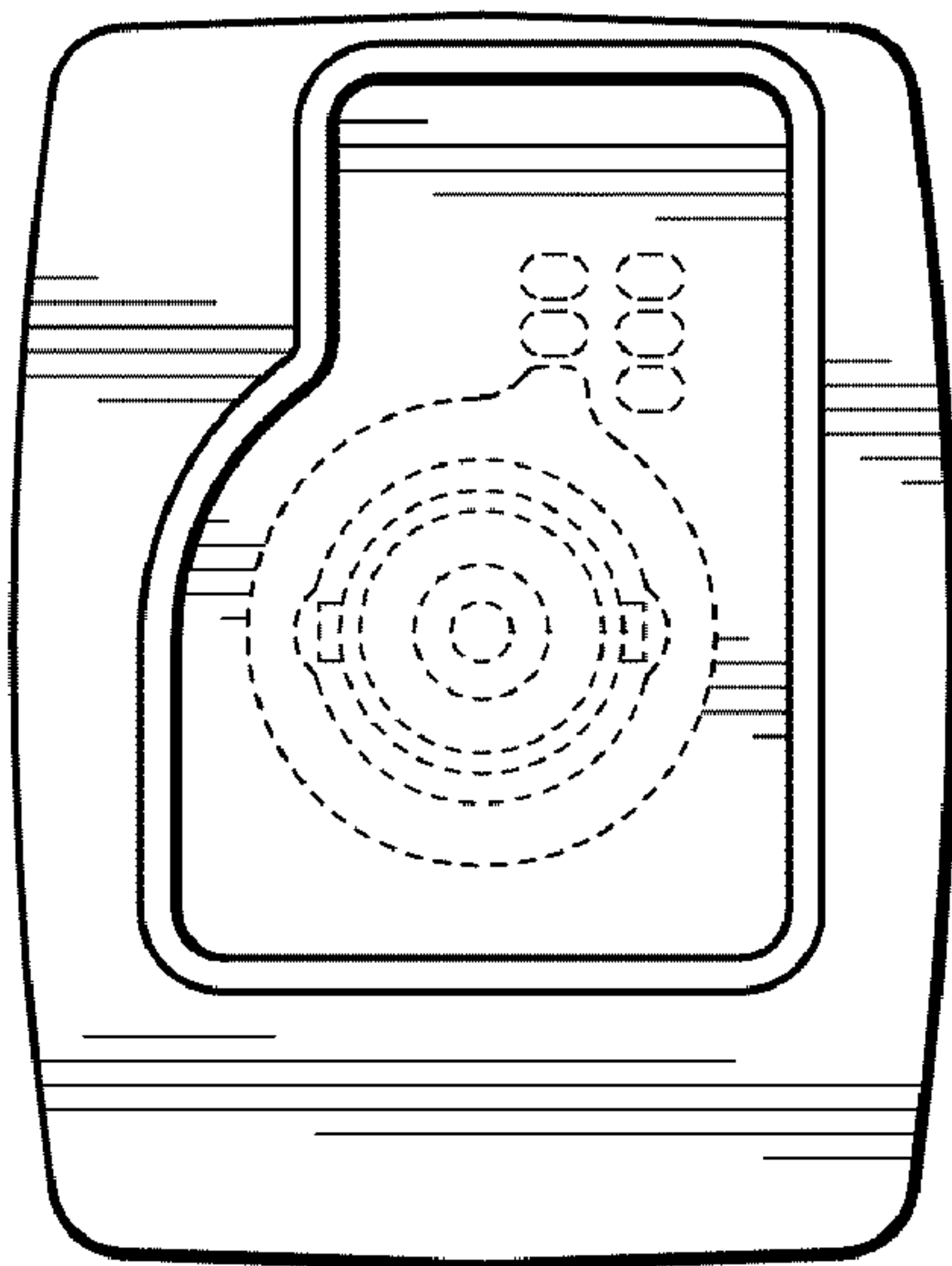


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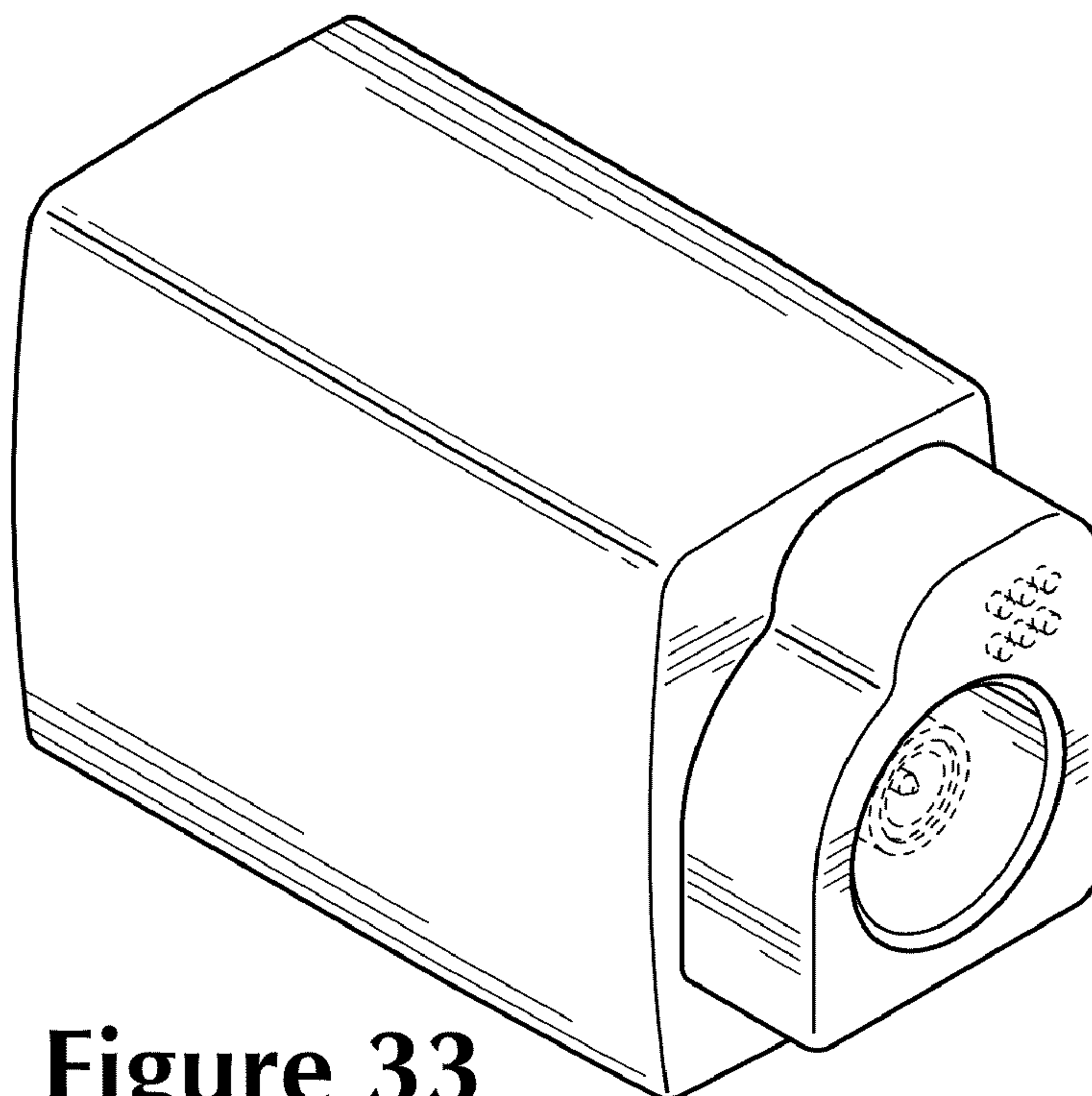


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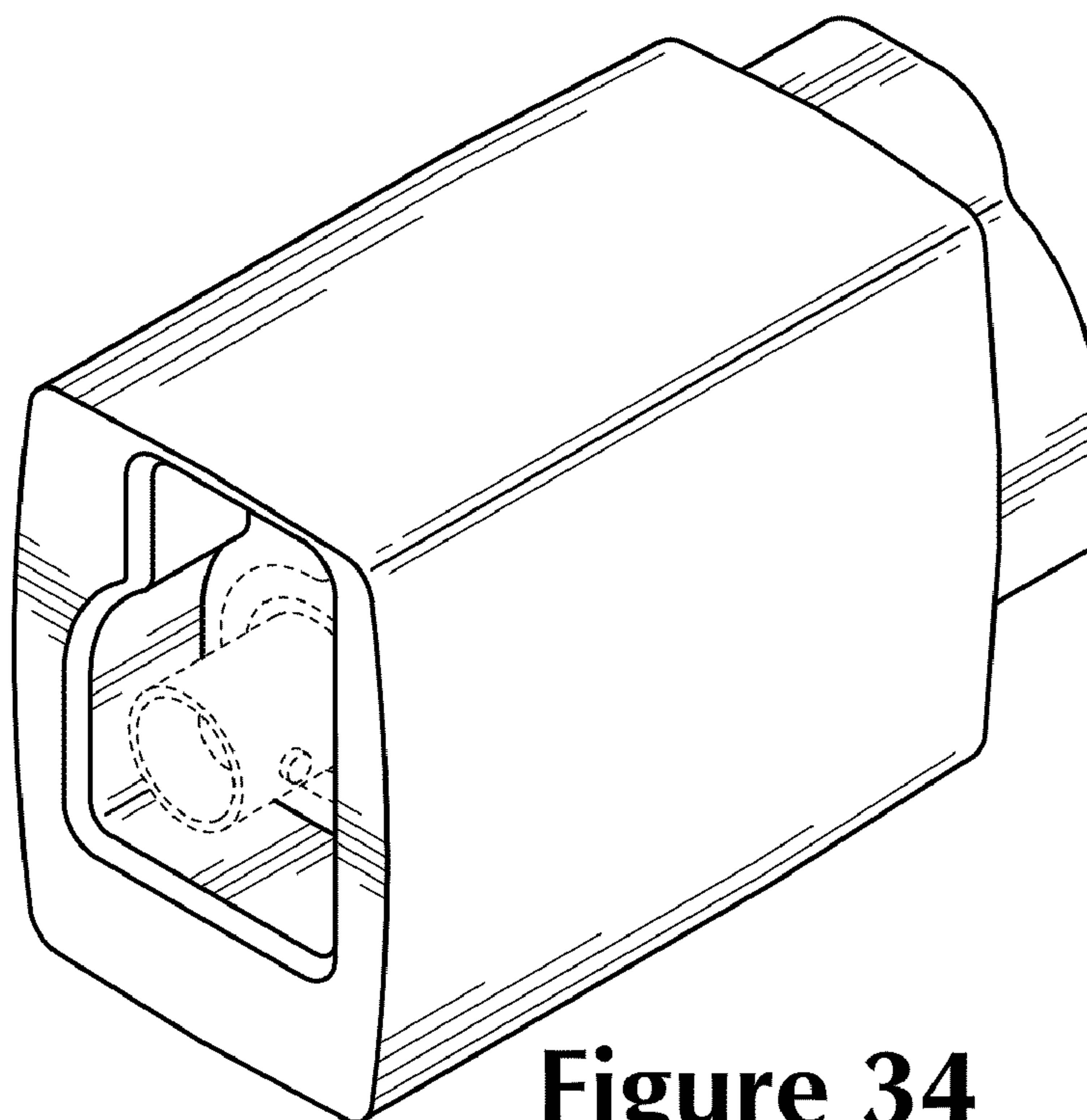


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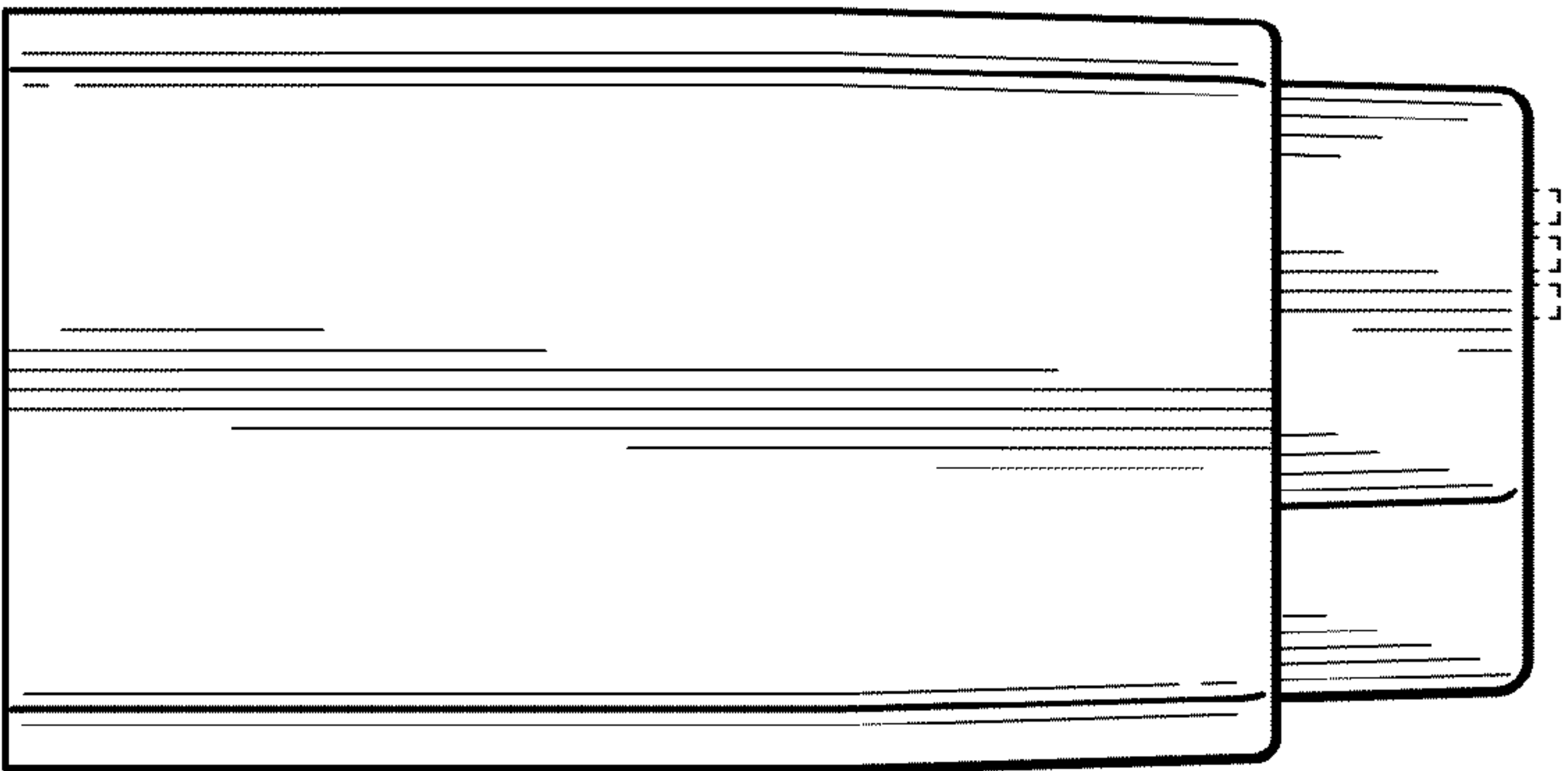


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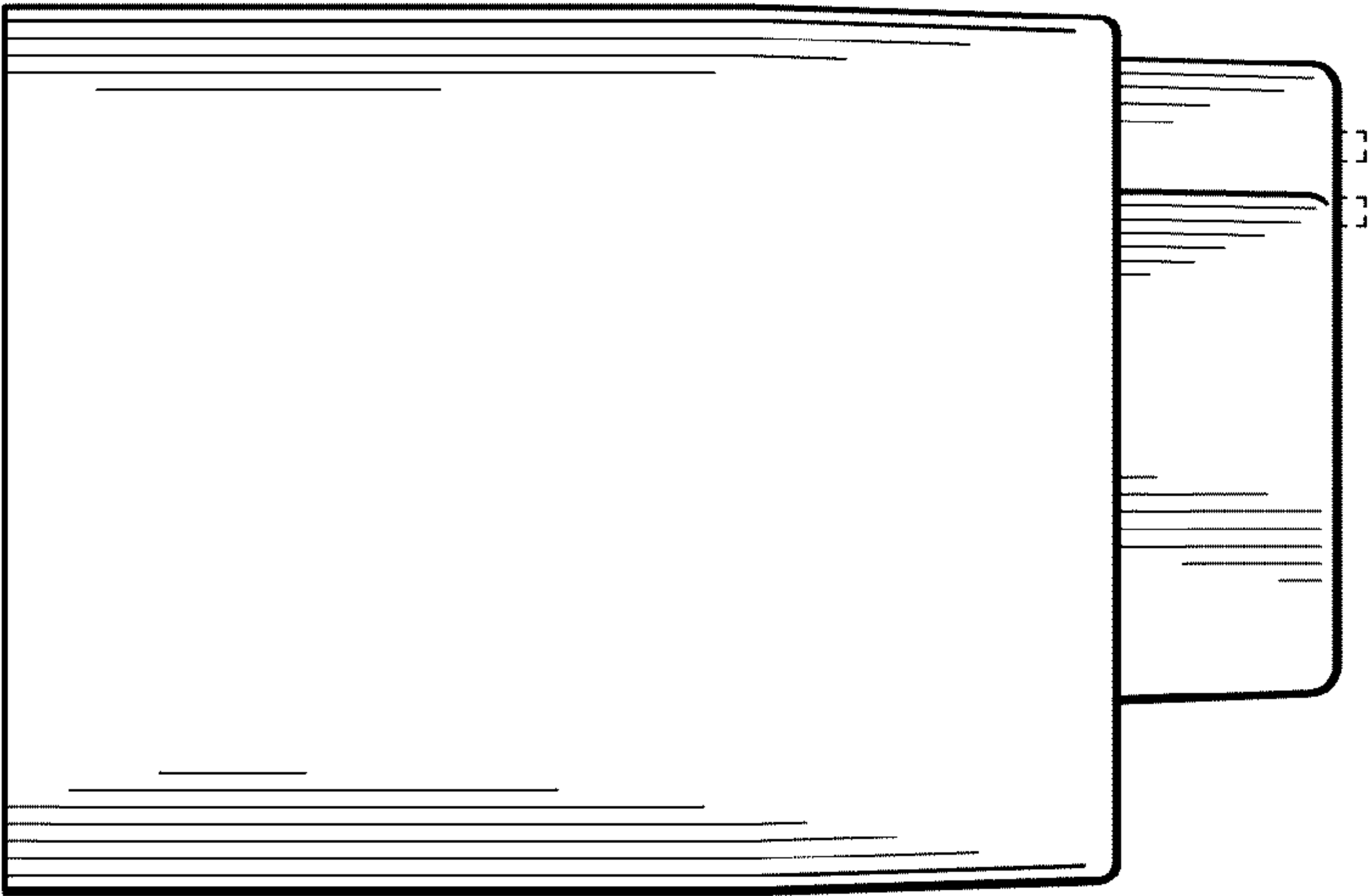


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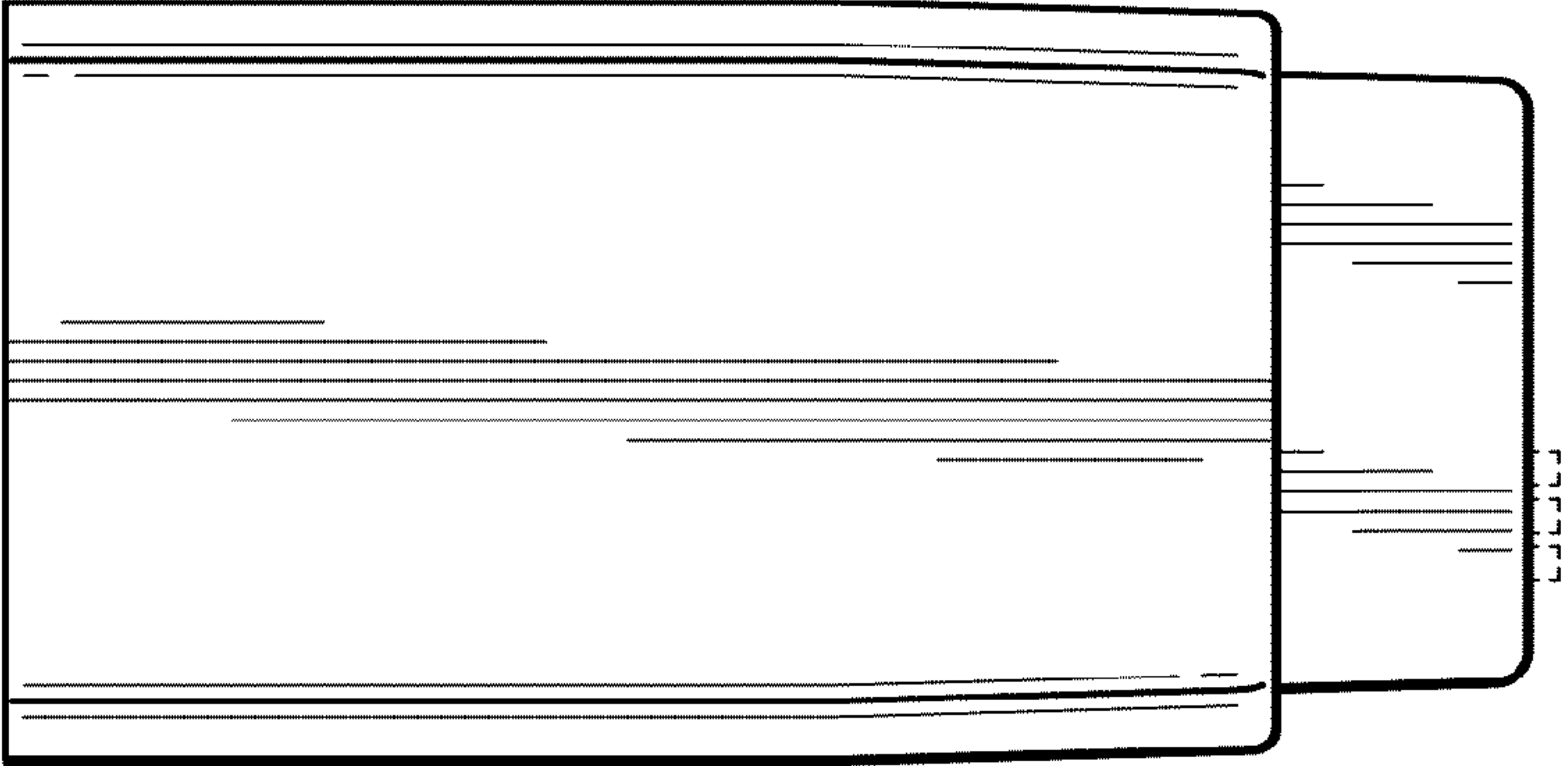


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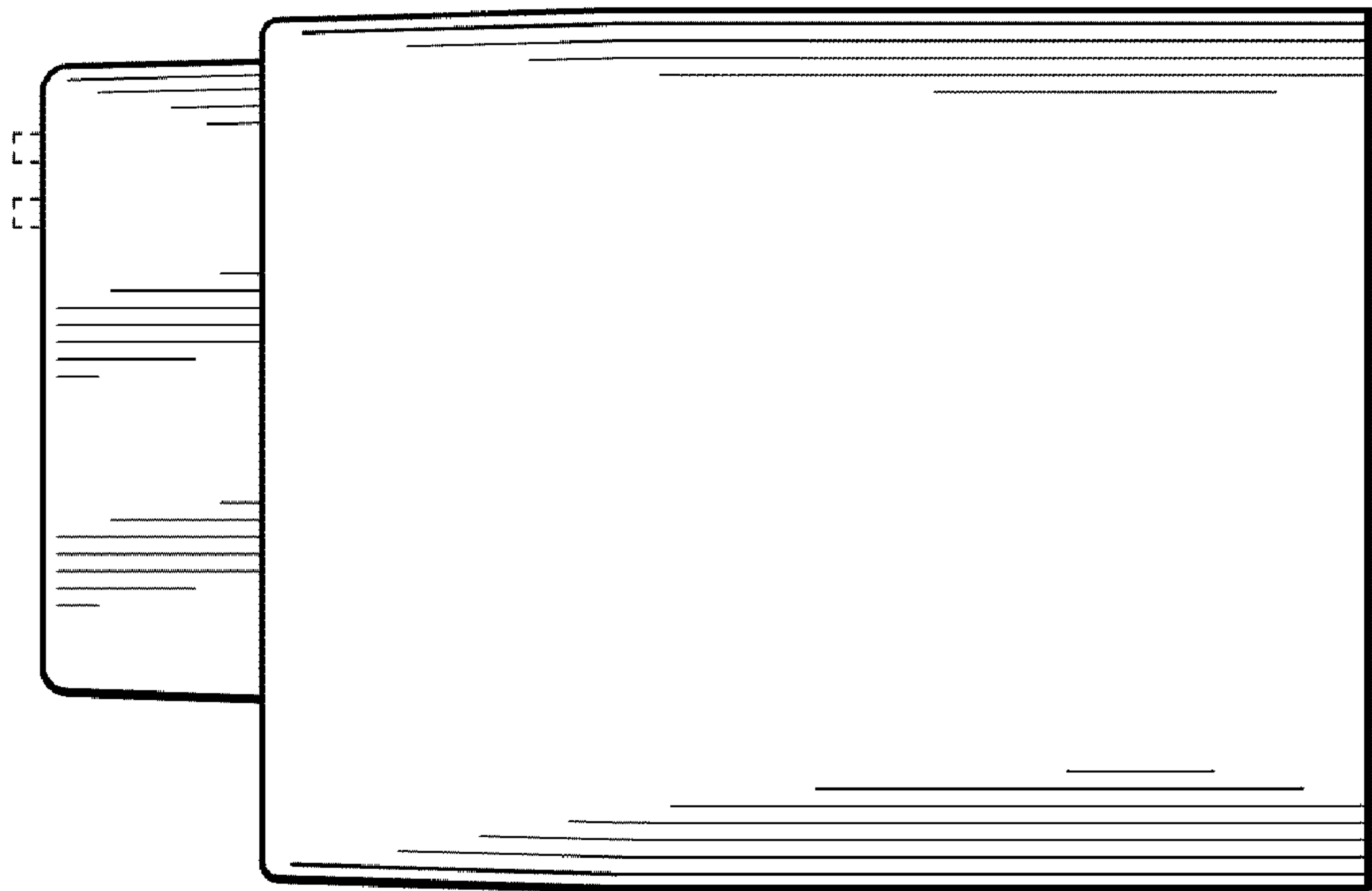


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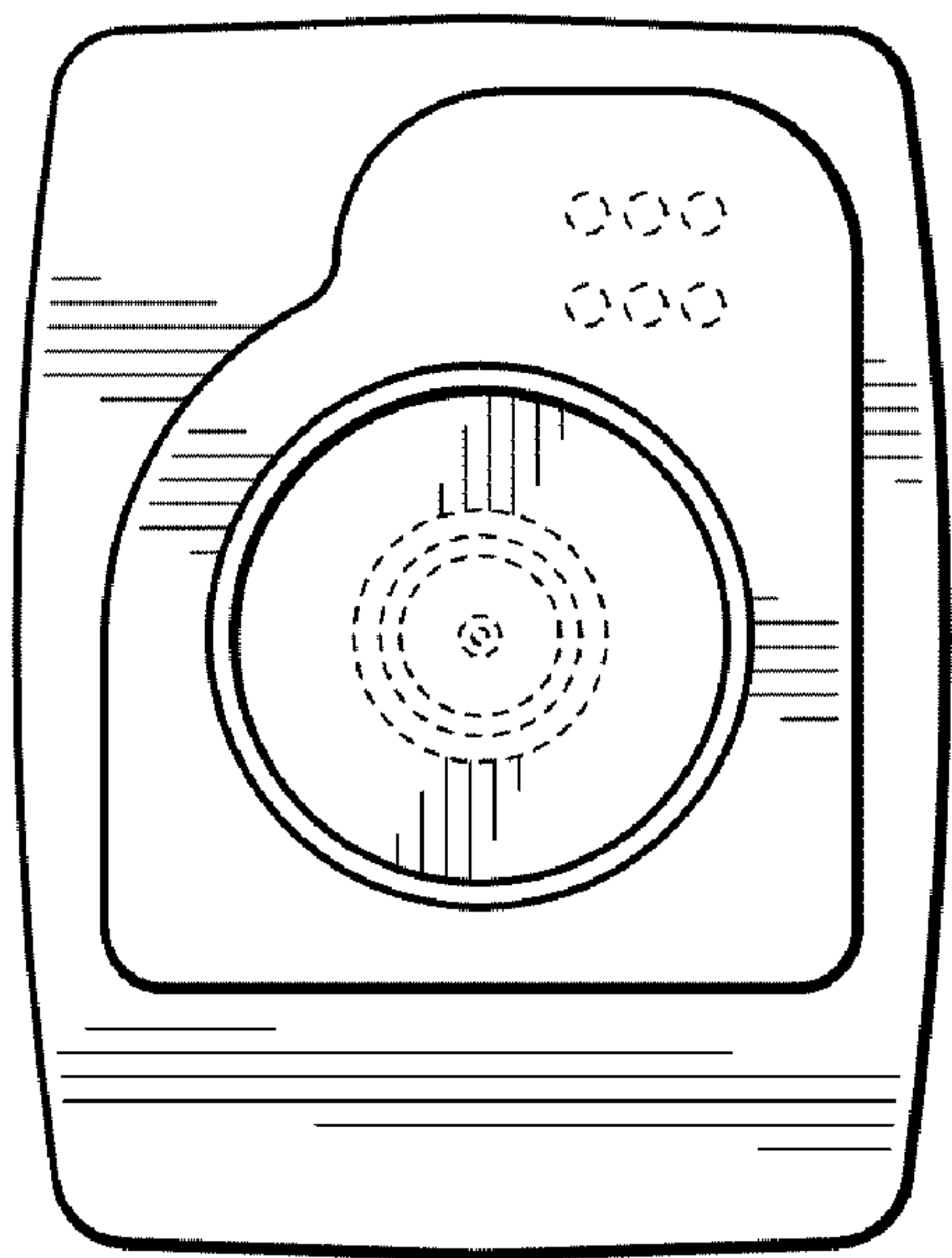


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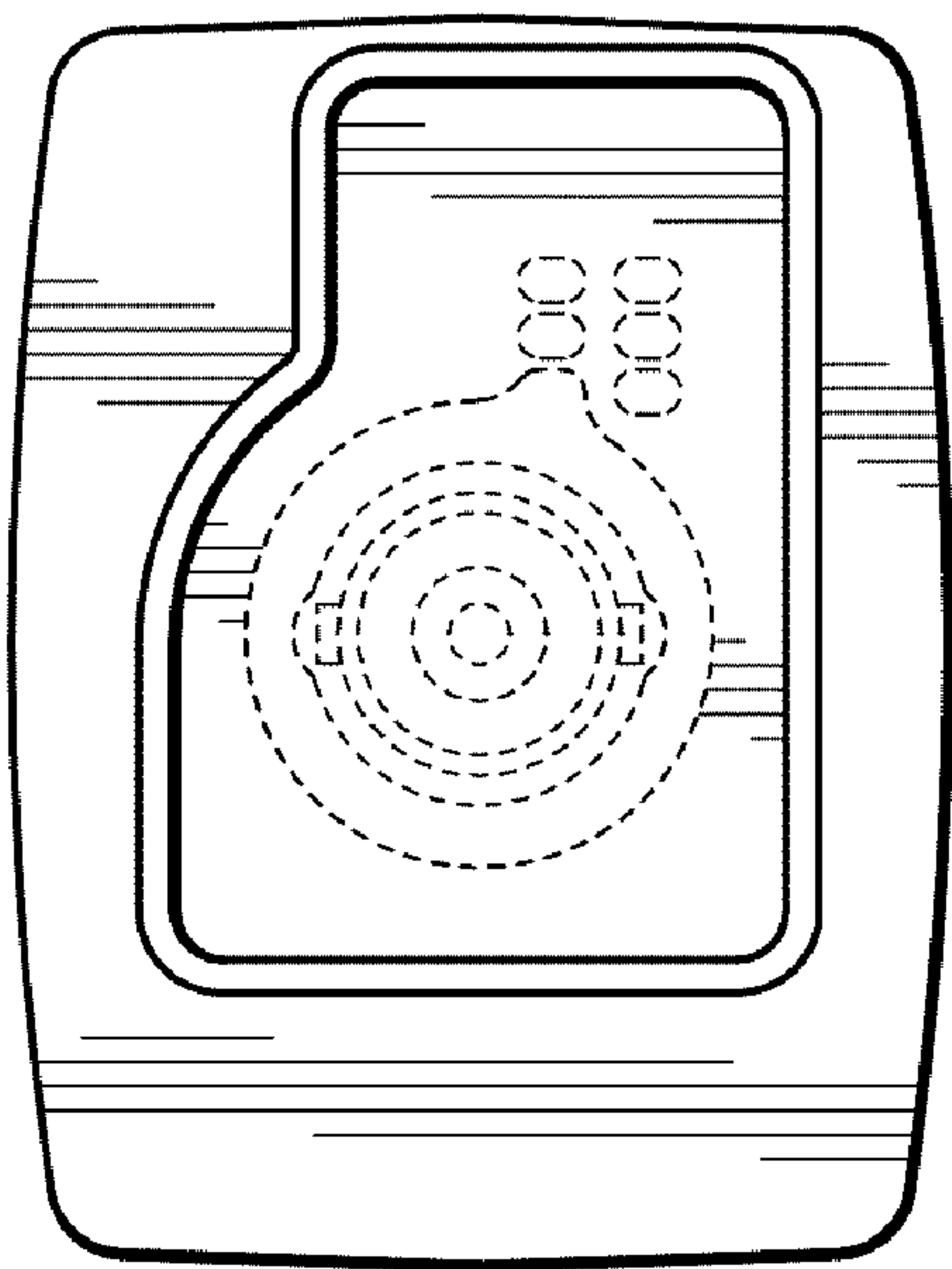


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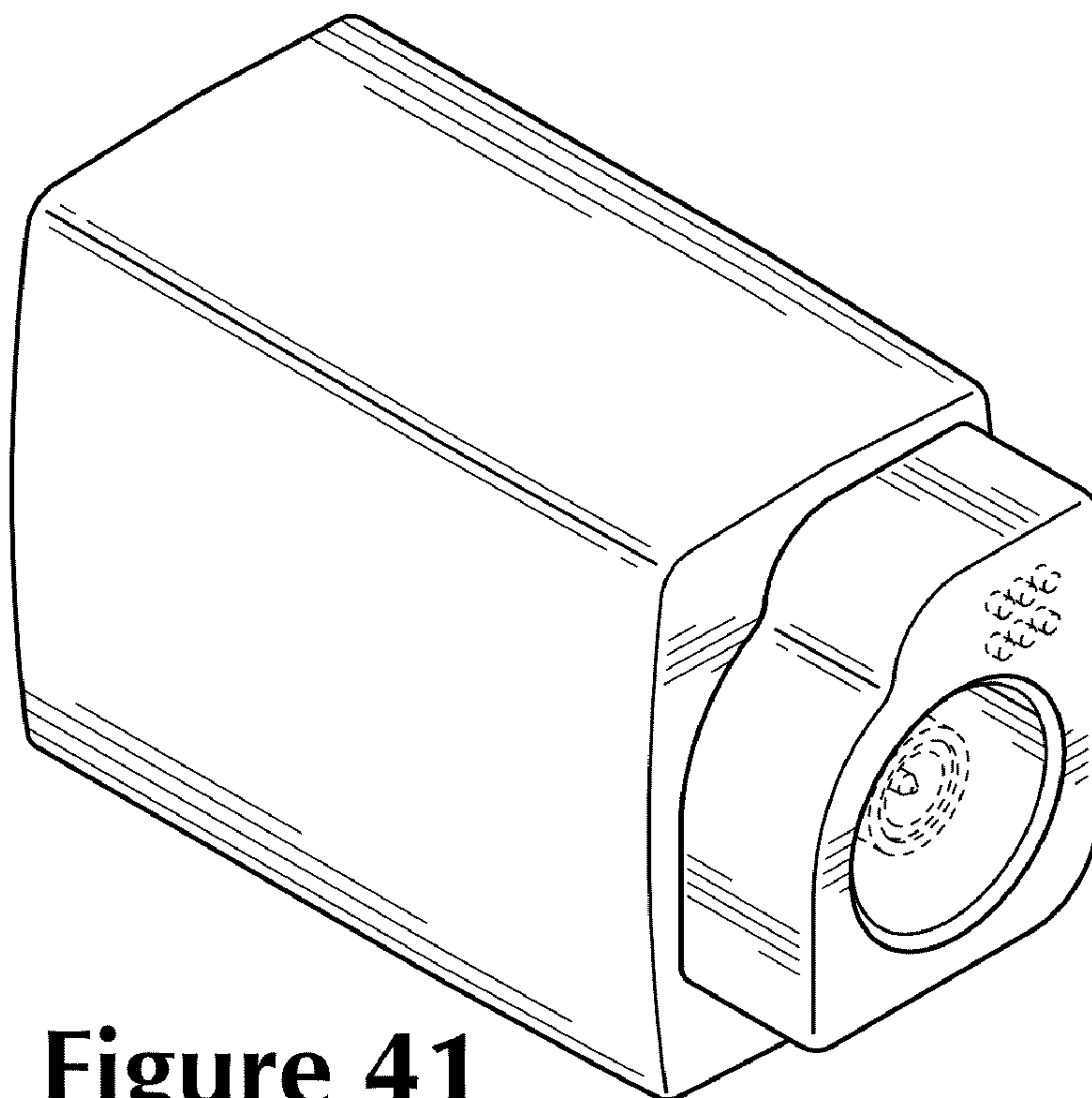


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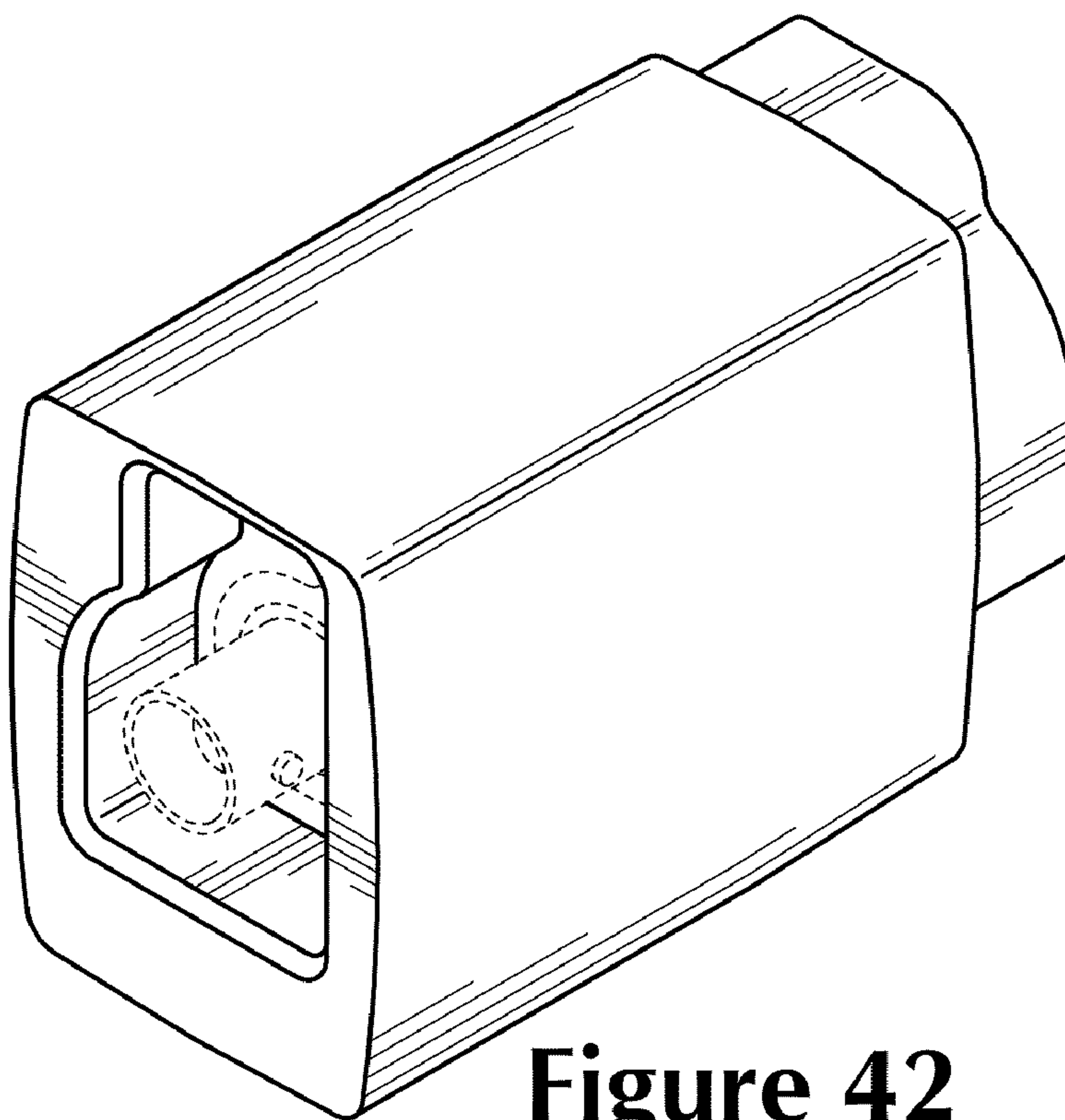


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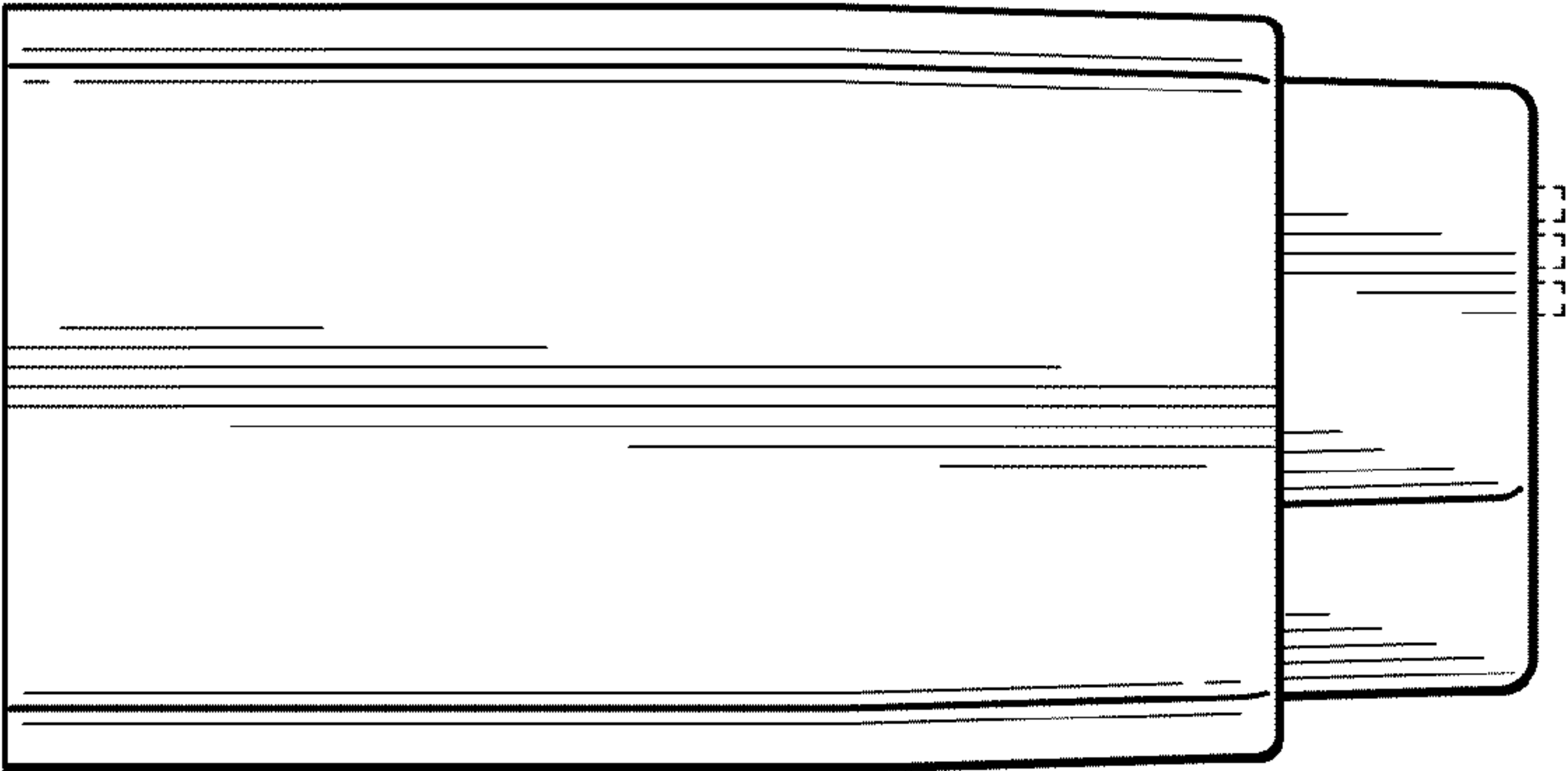


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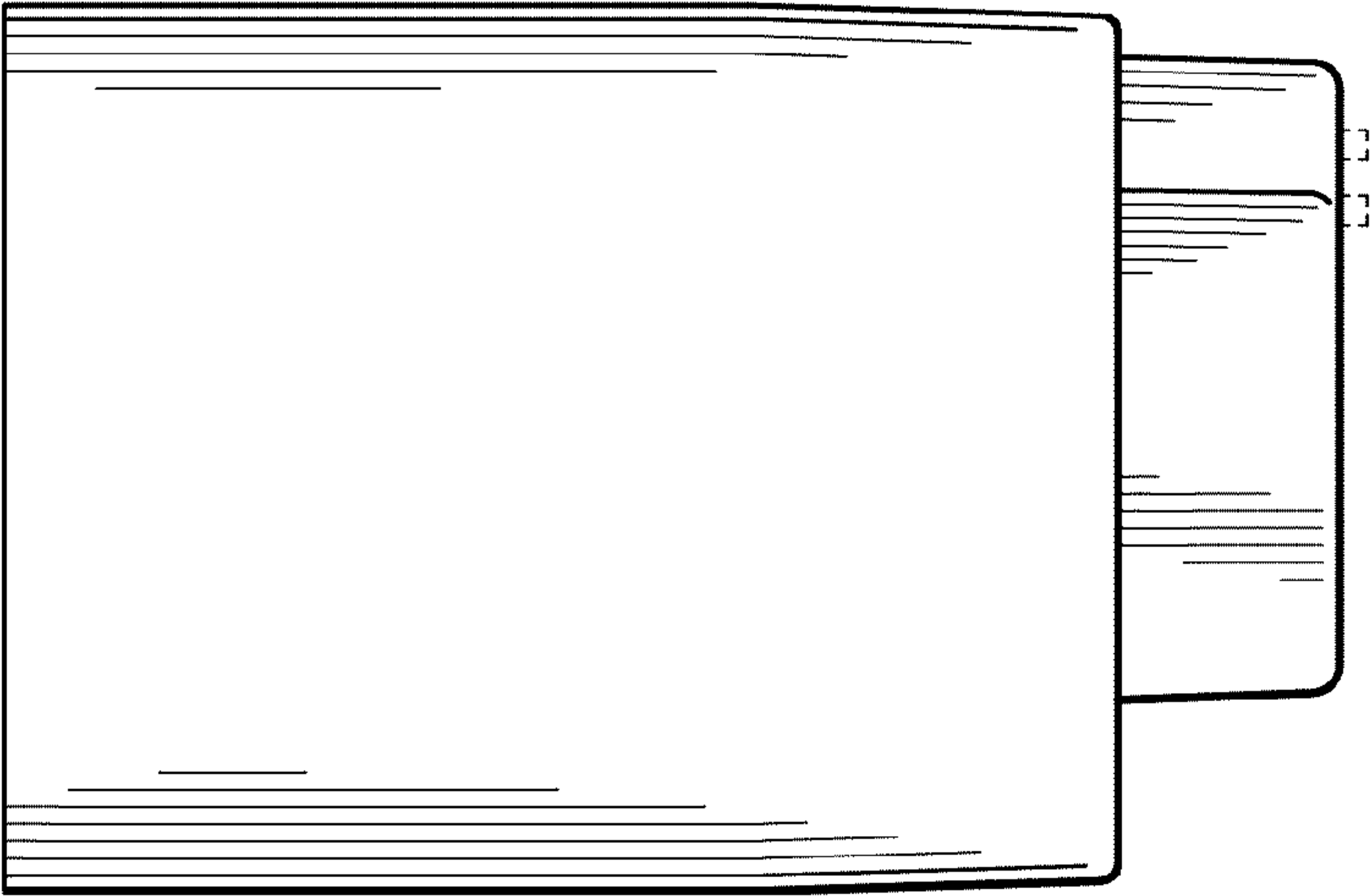


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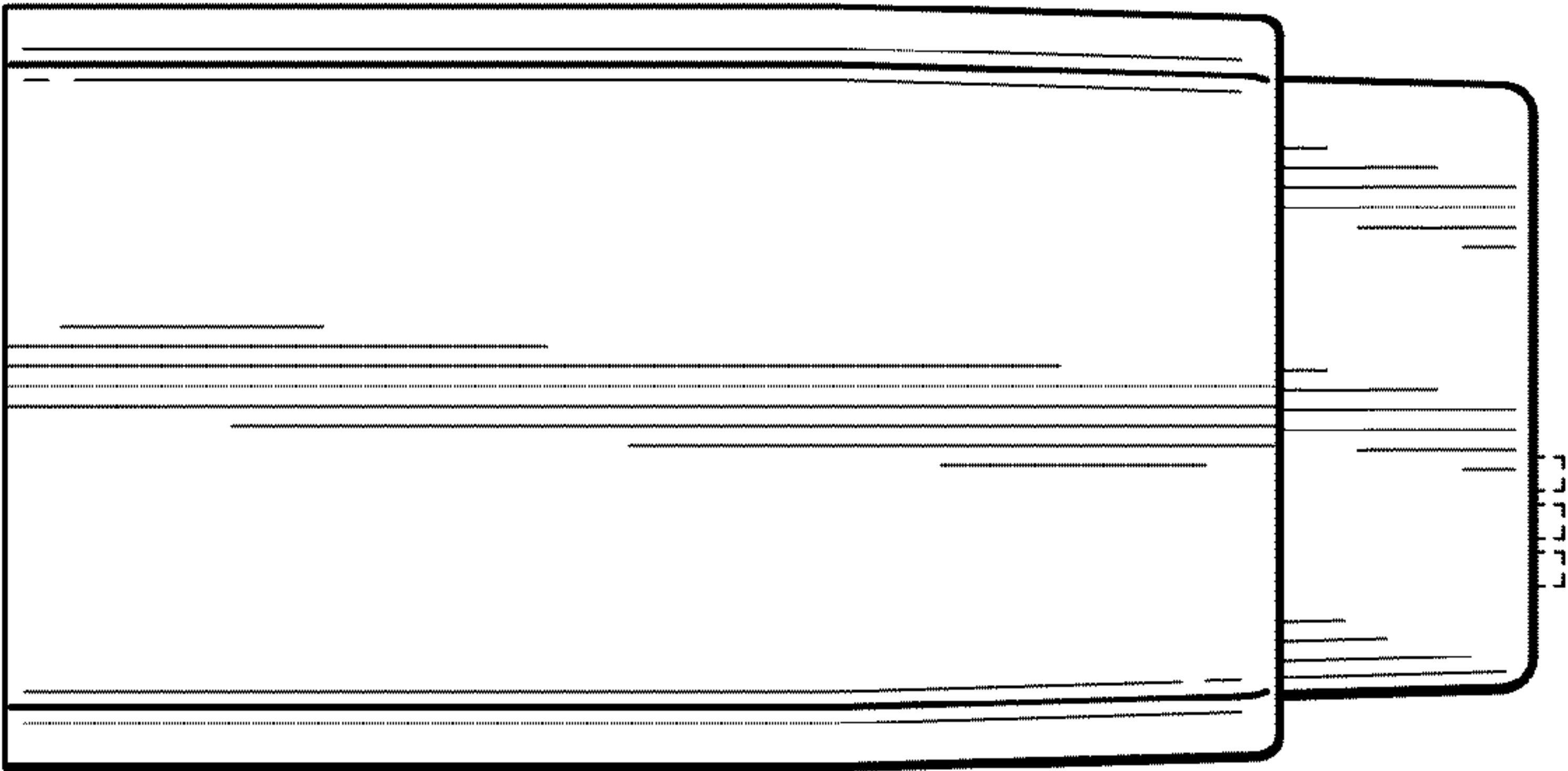


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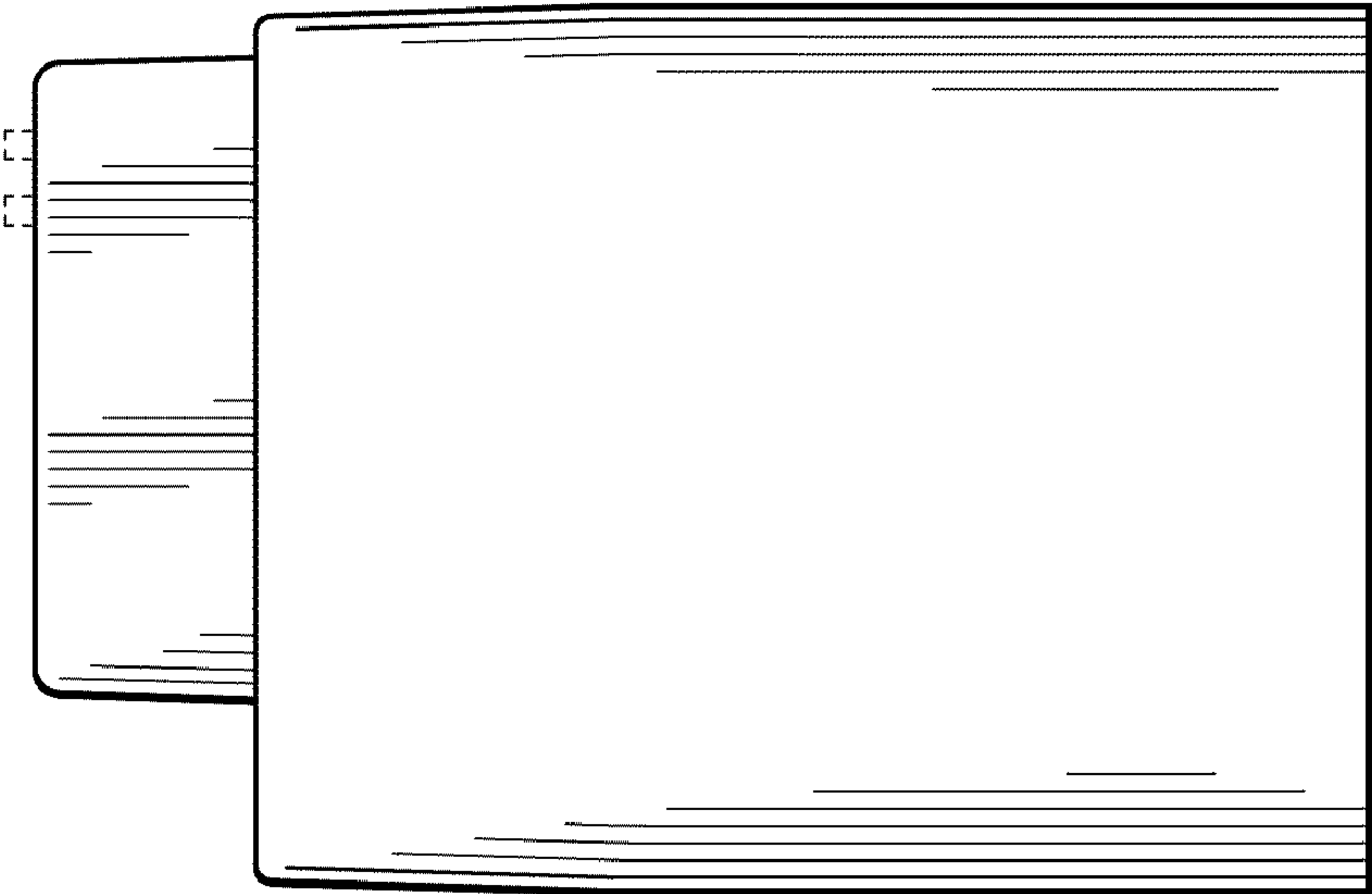


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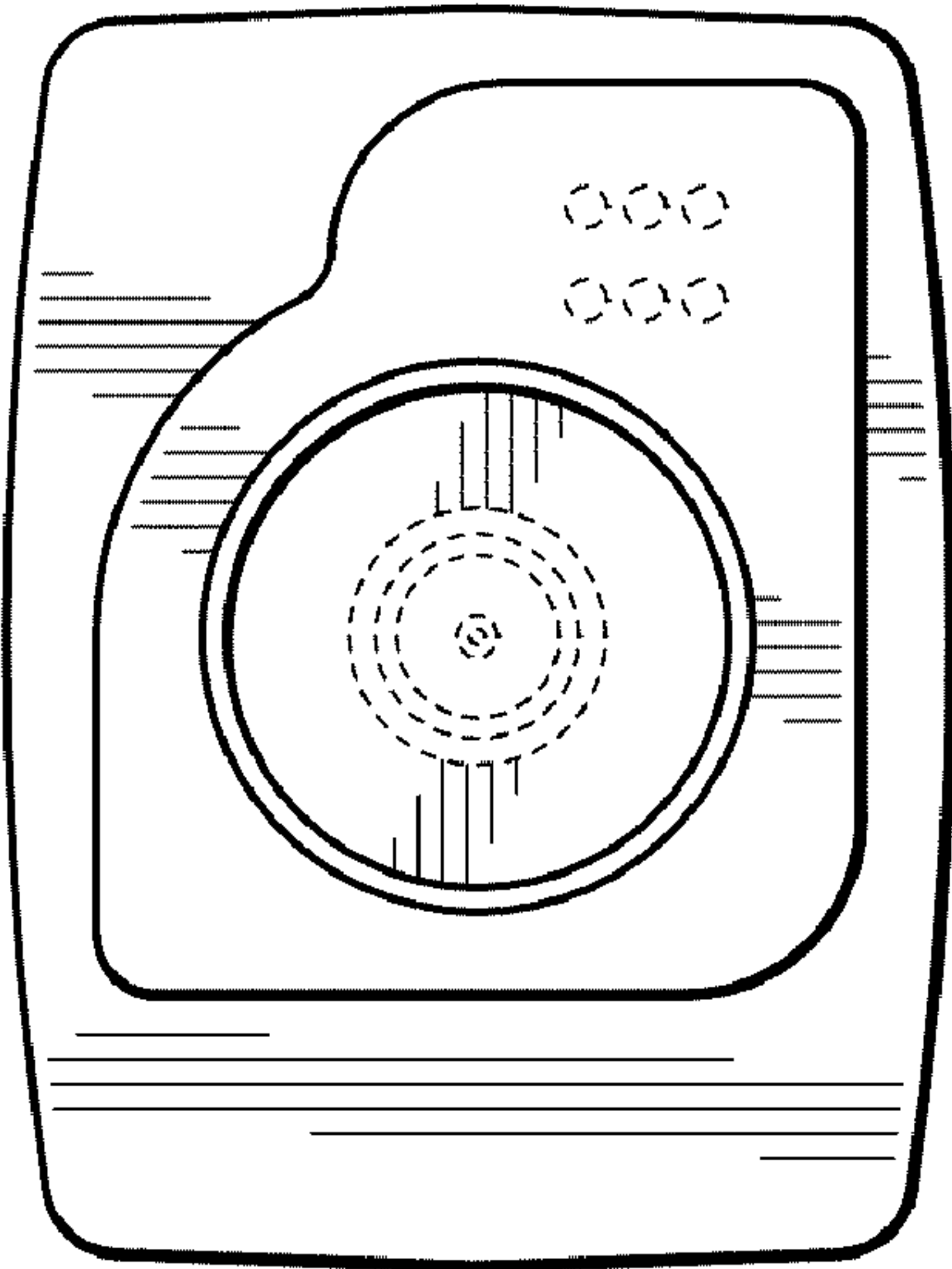


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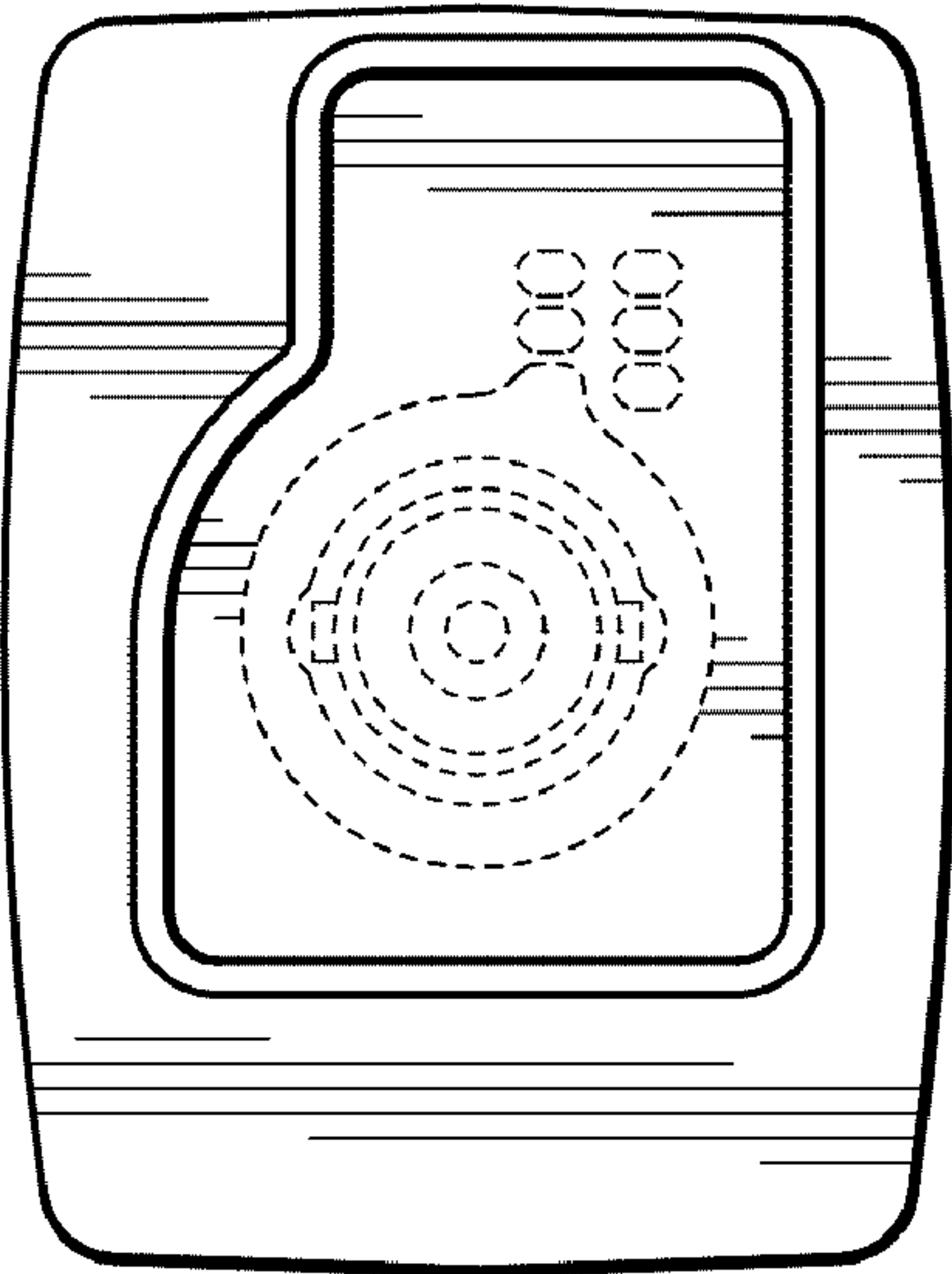


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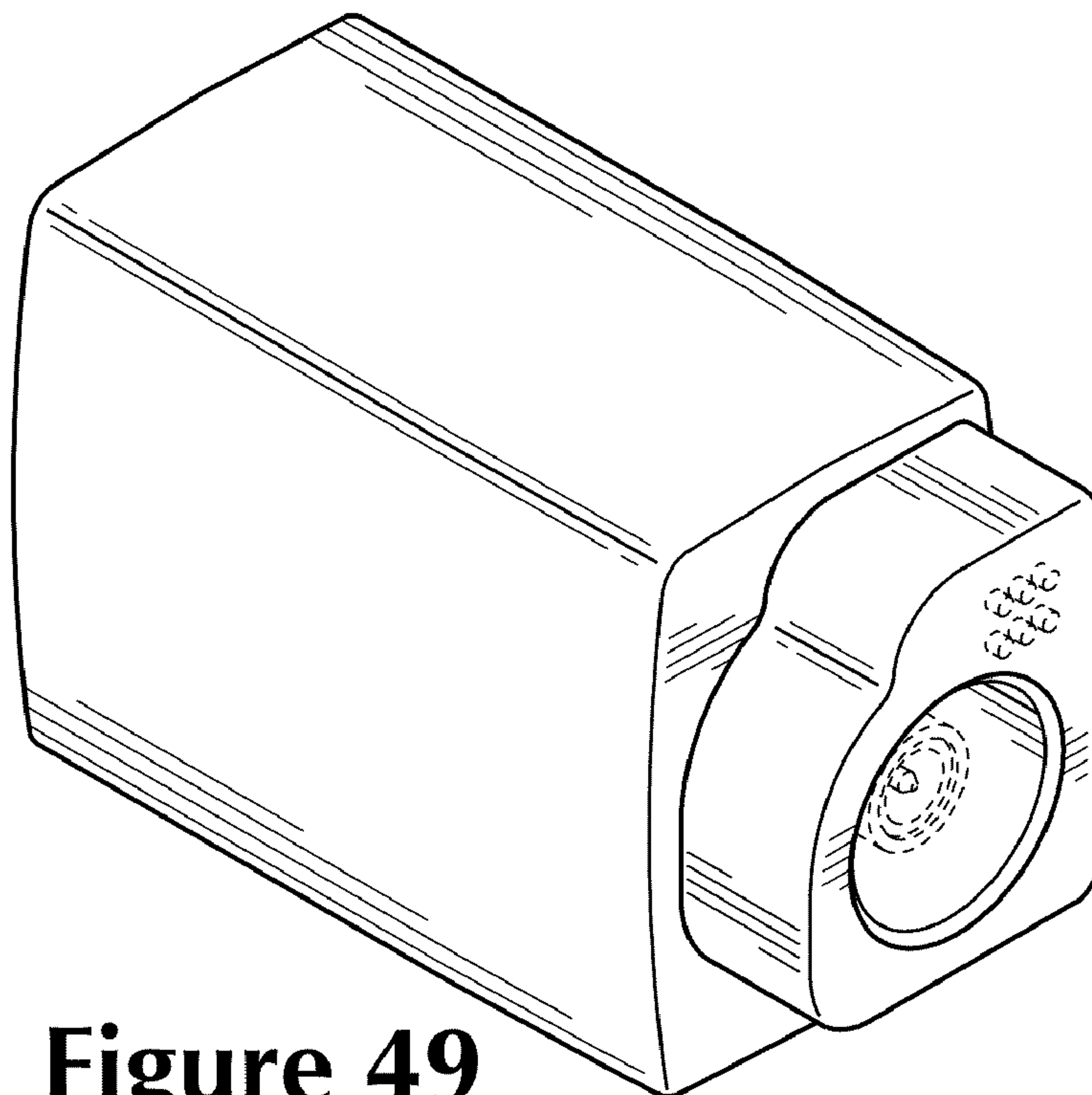


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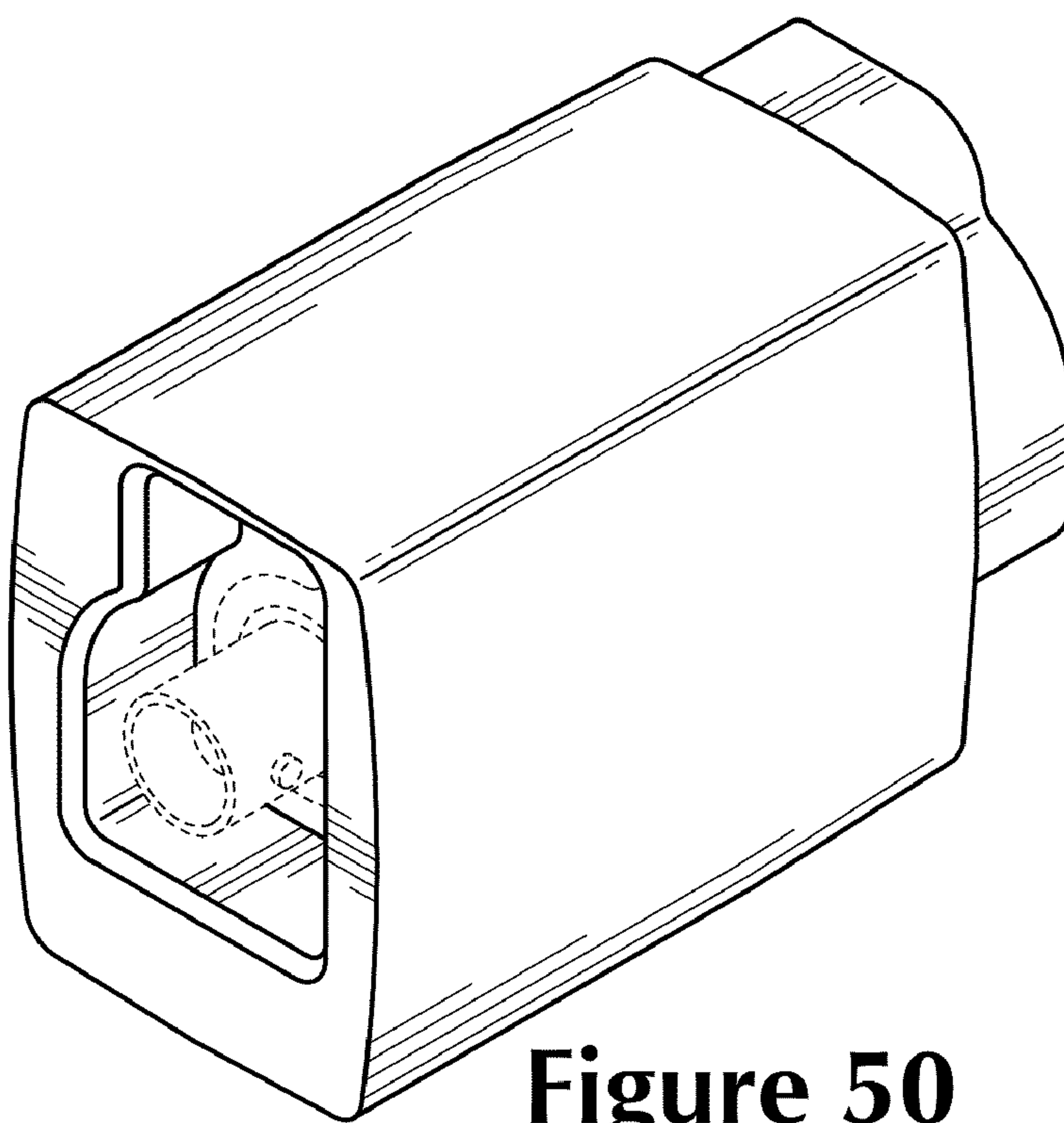


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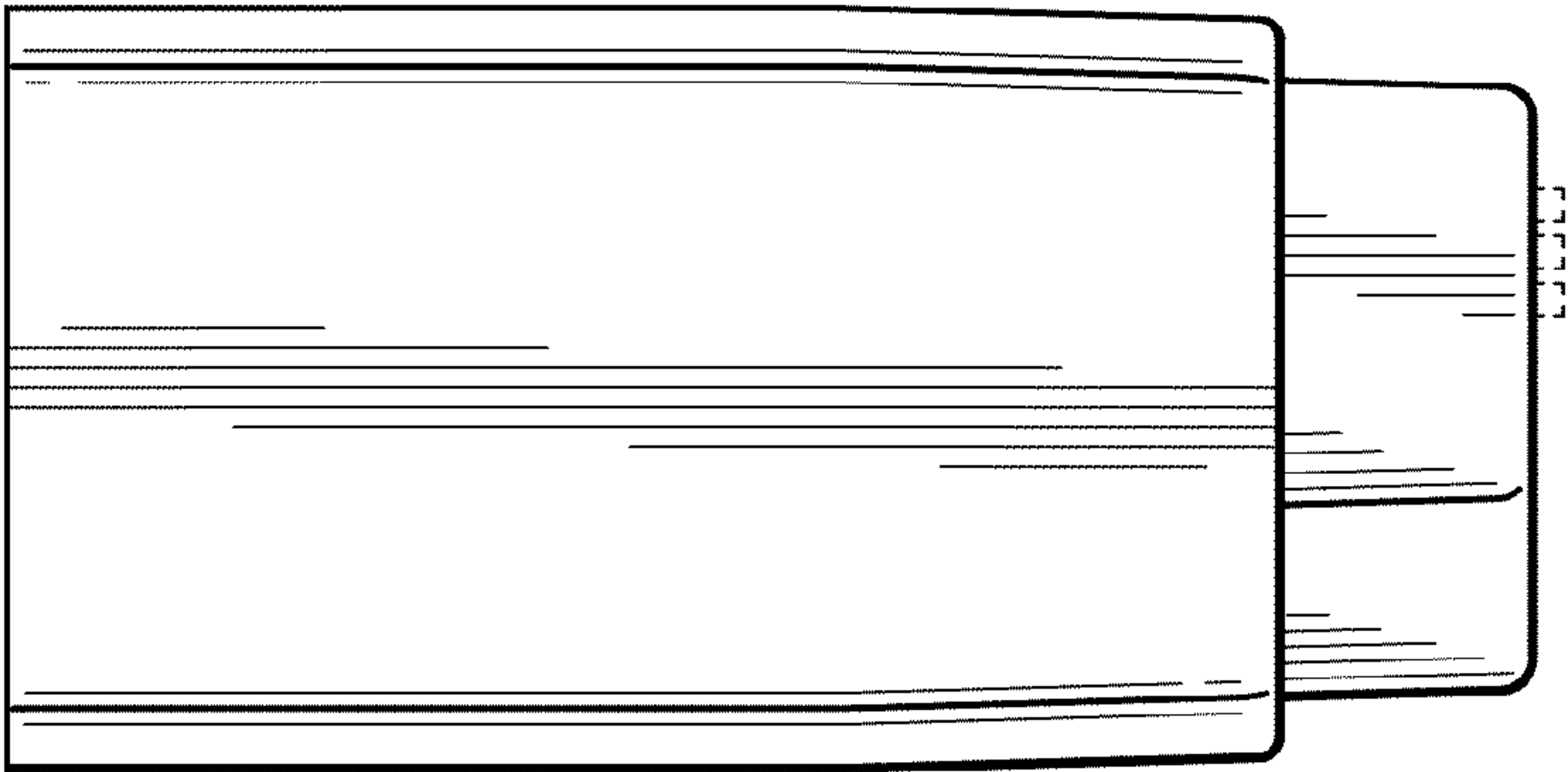


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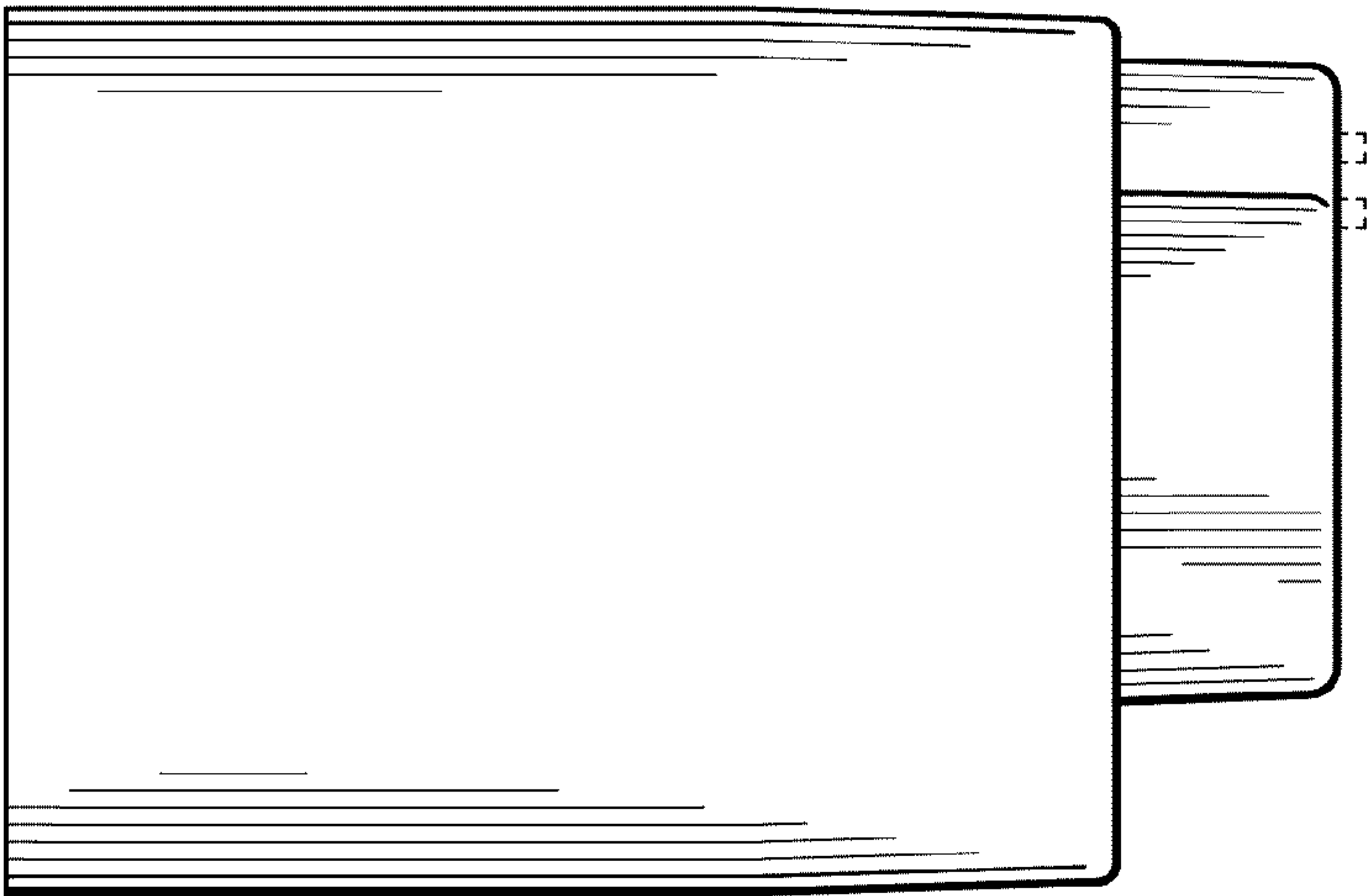


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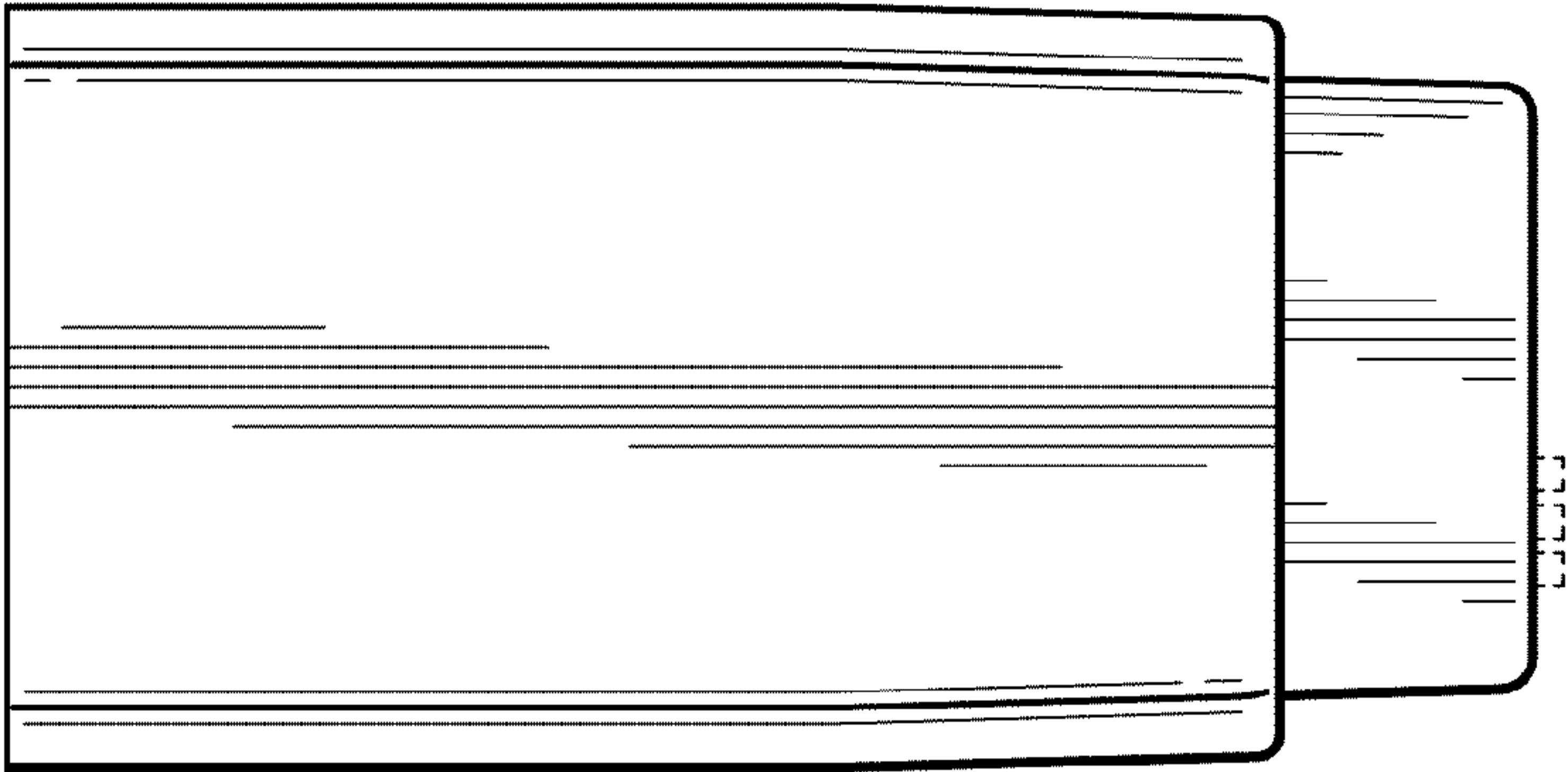


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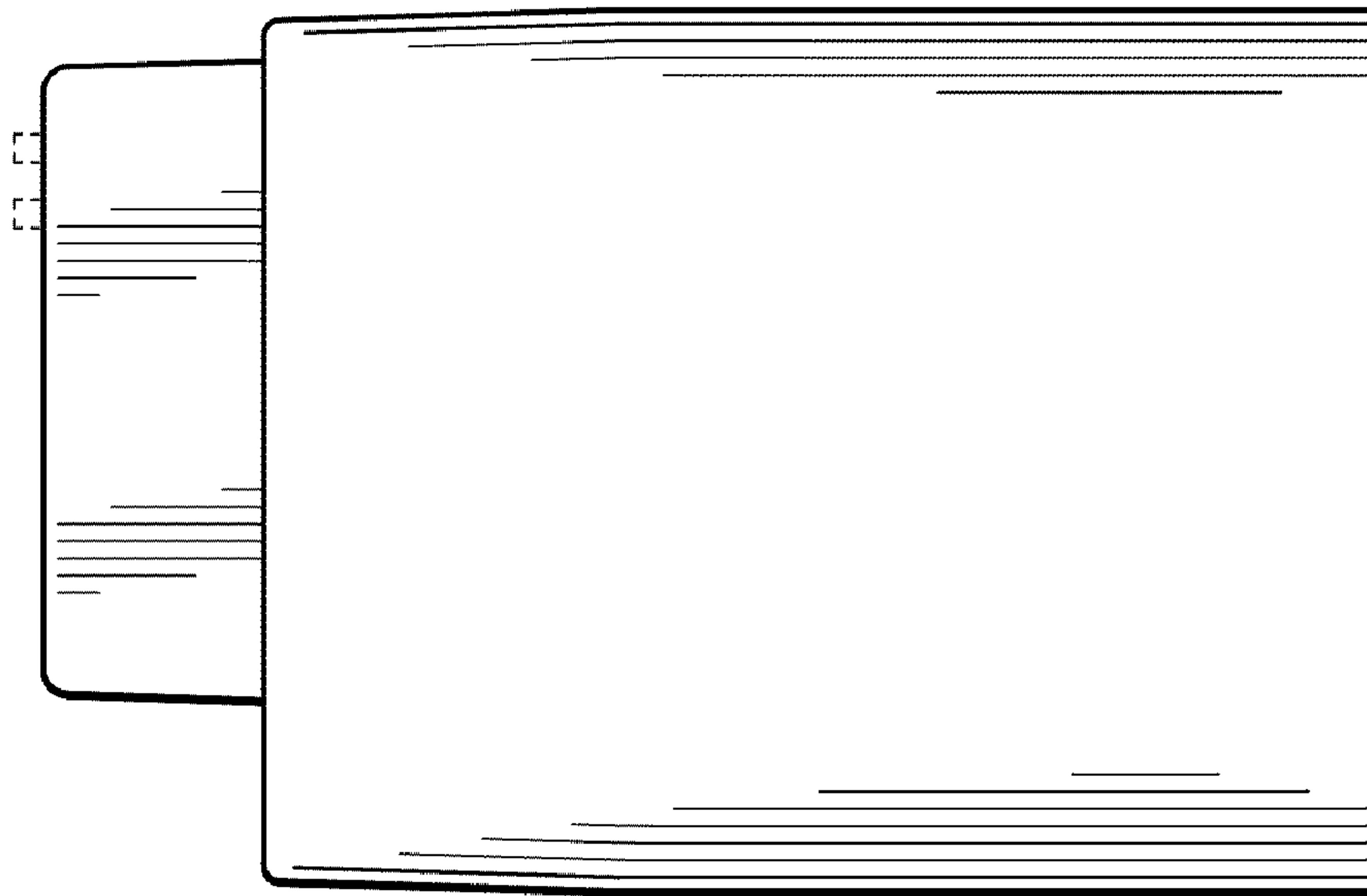


Figure 54

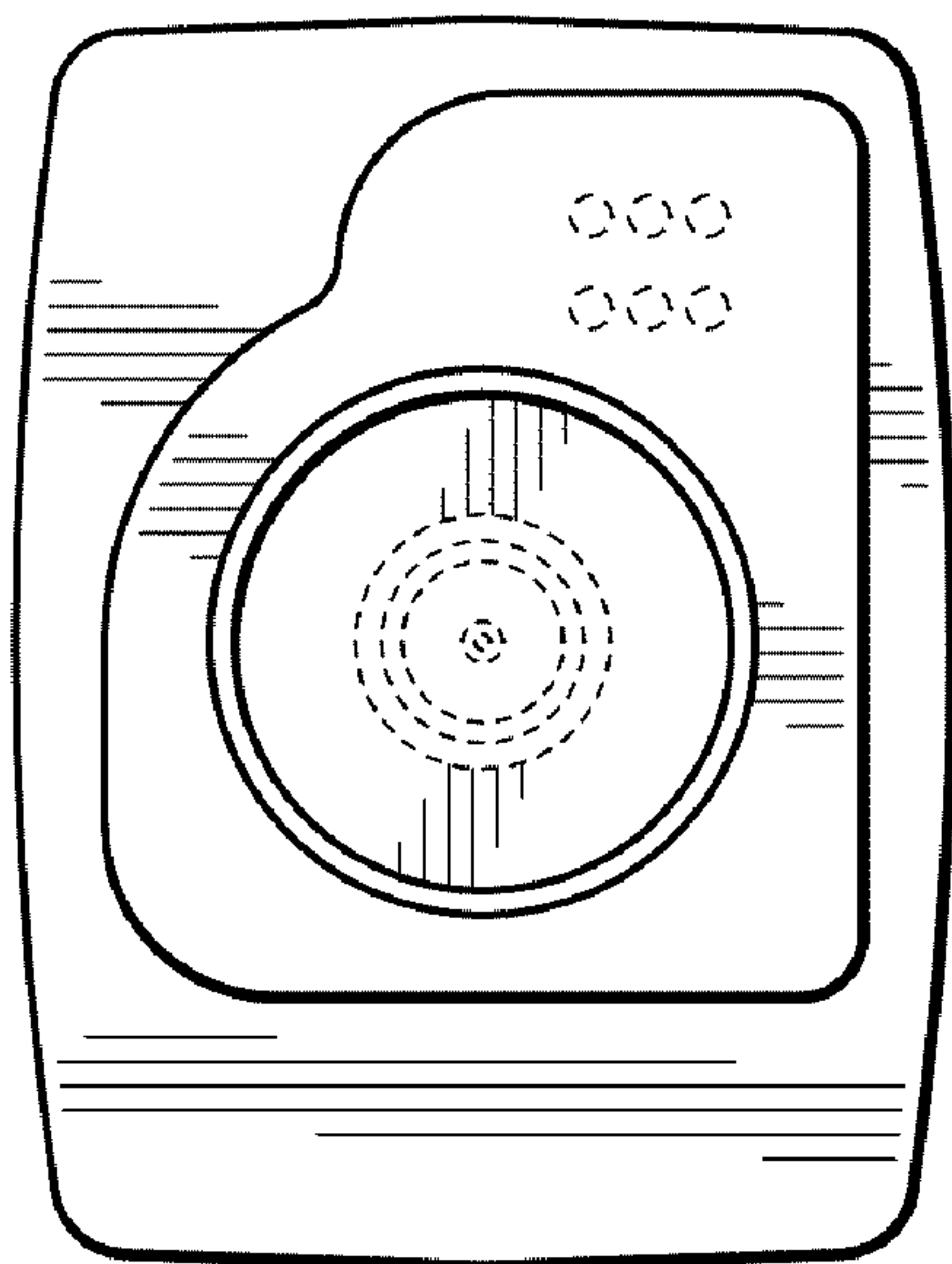


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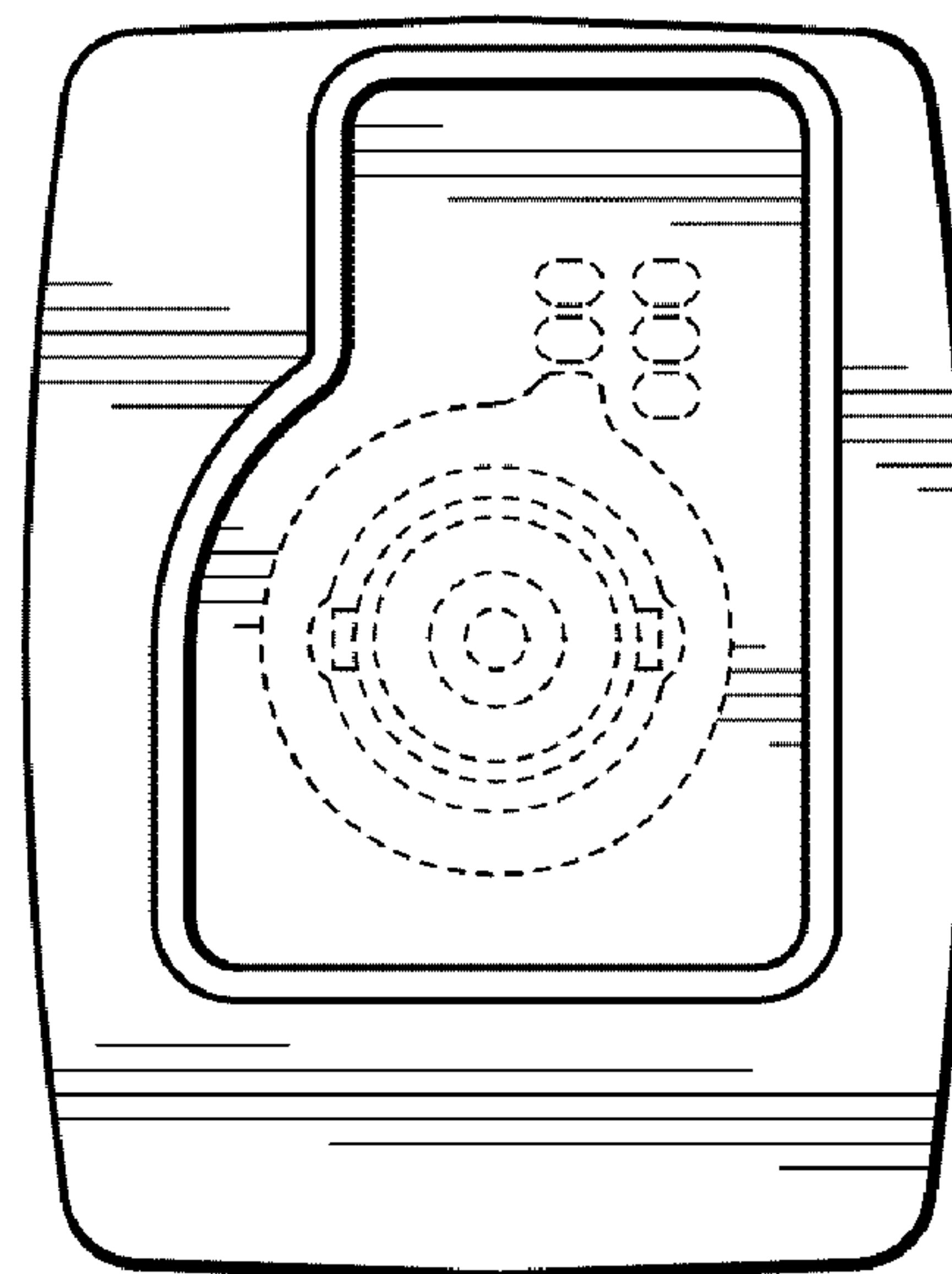


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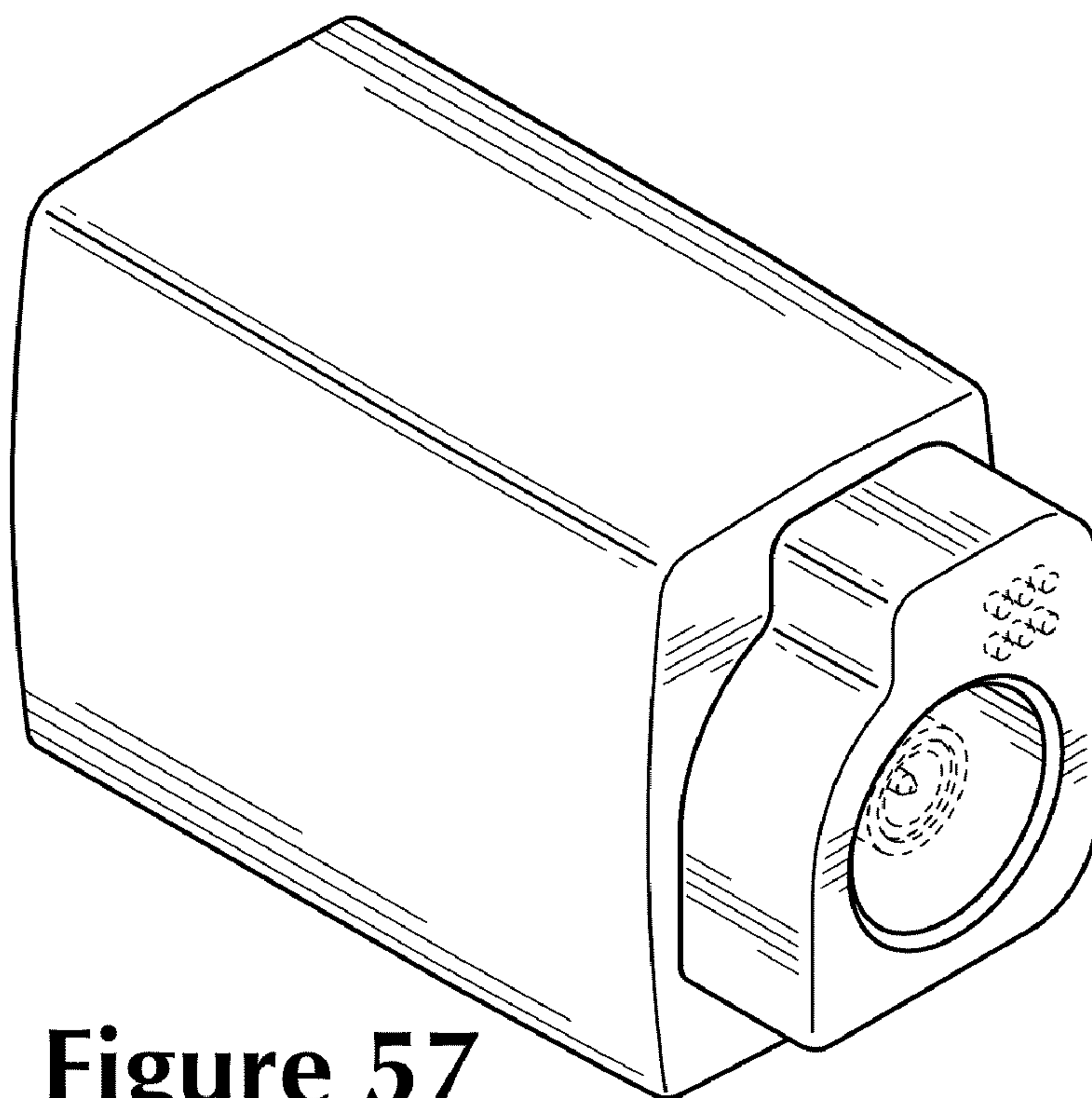


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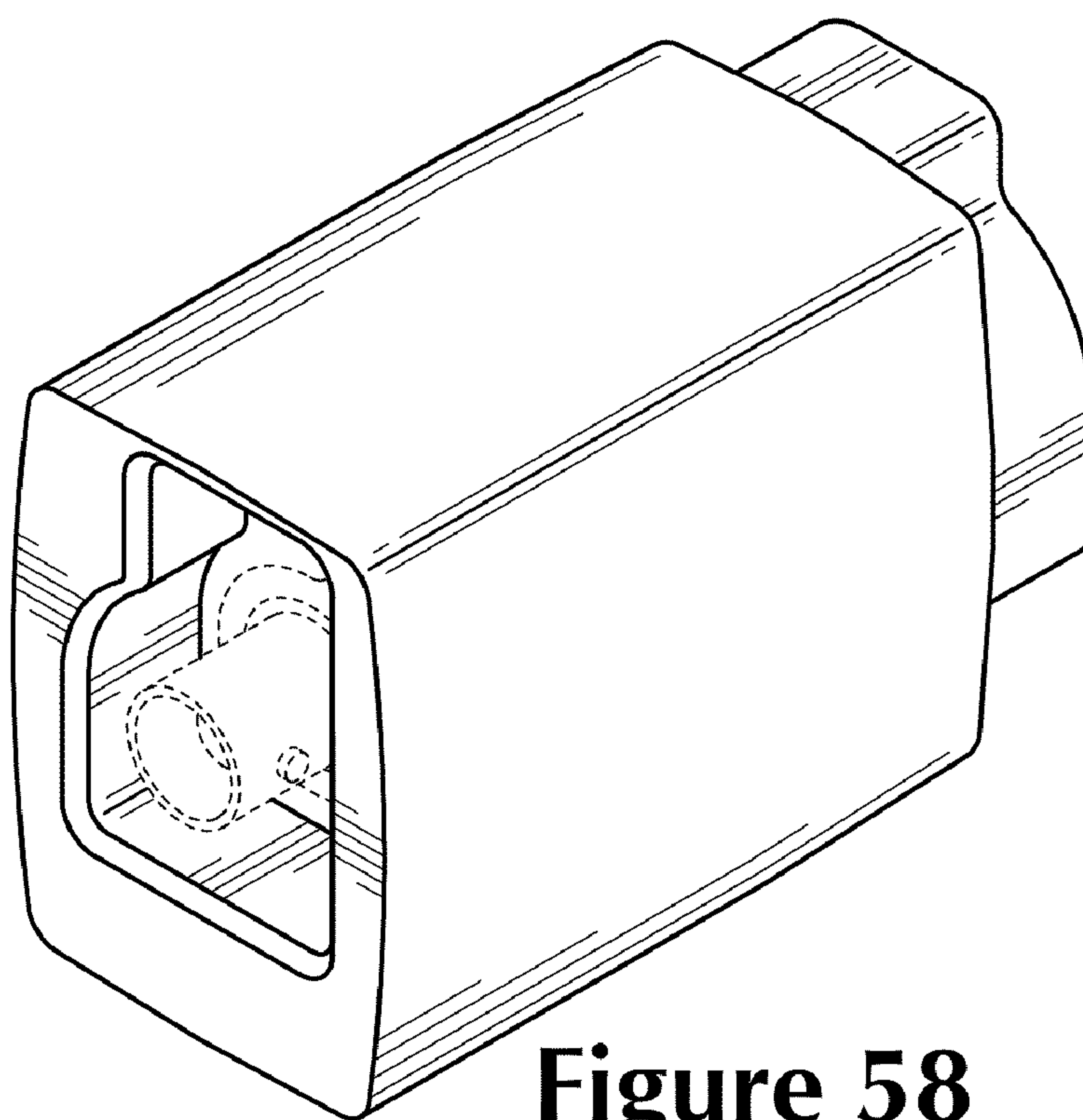


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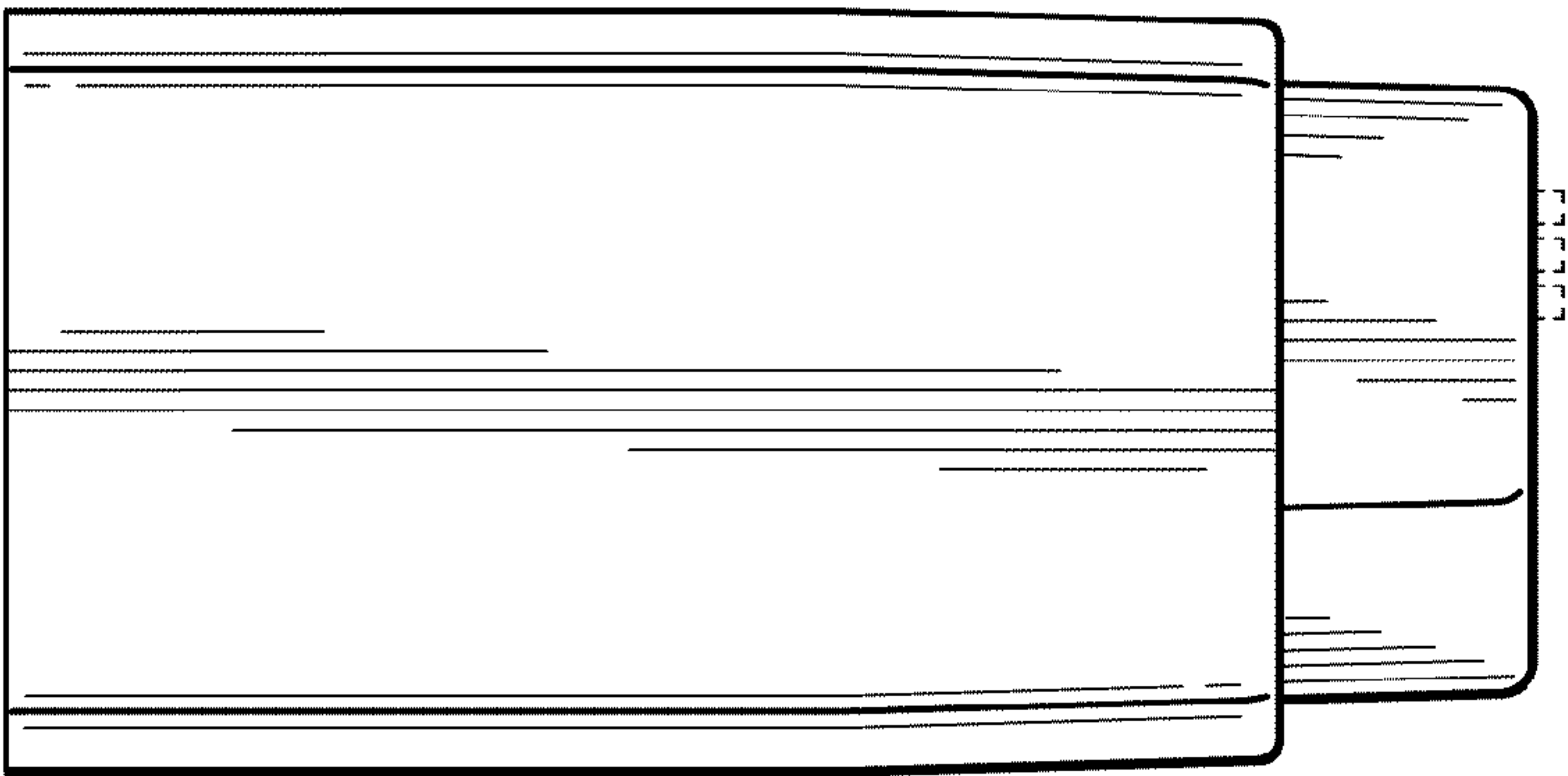


Figure 59

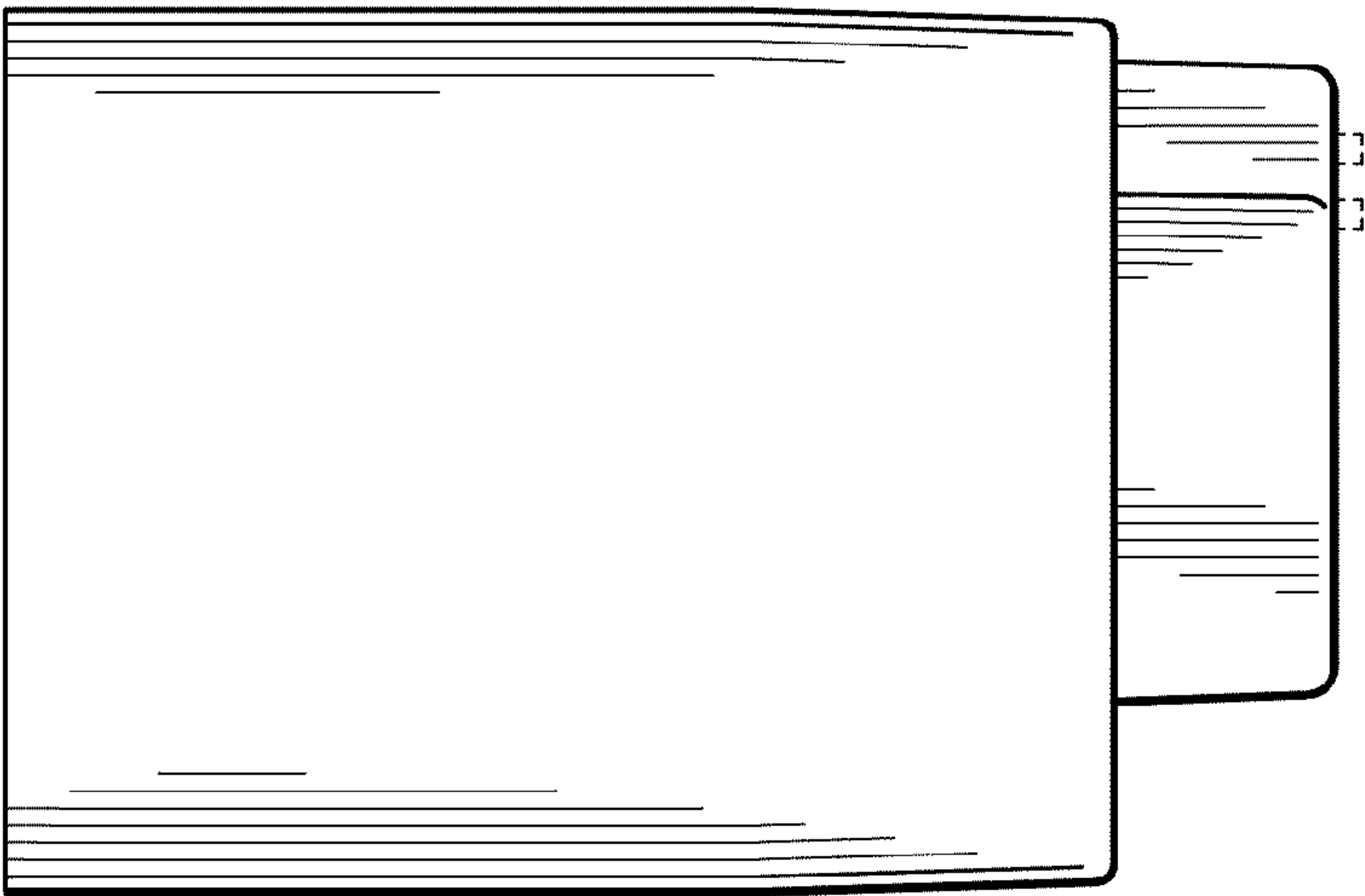


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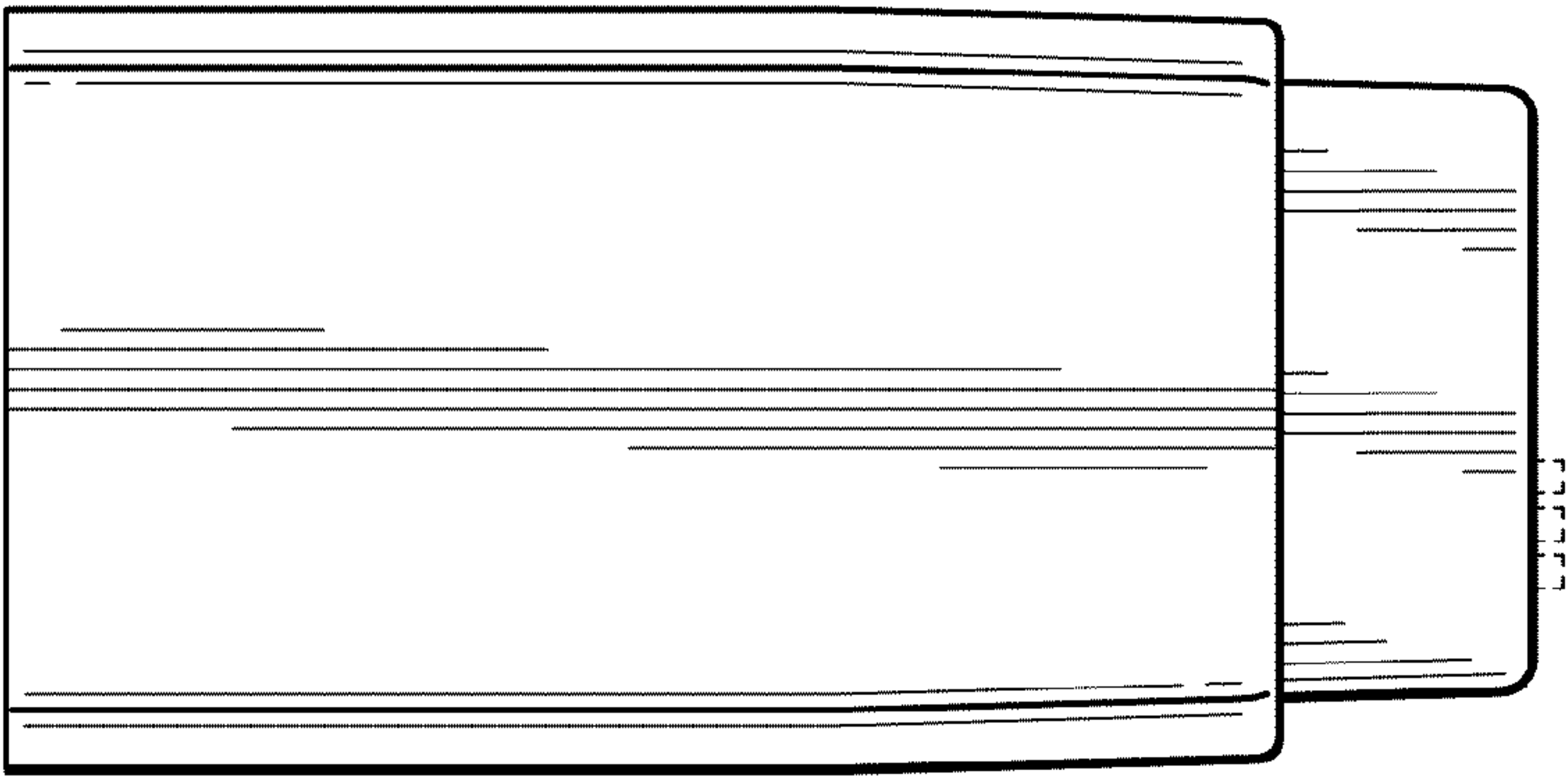


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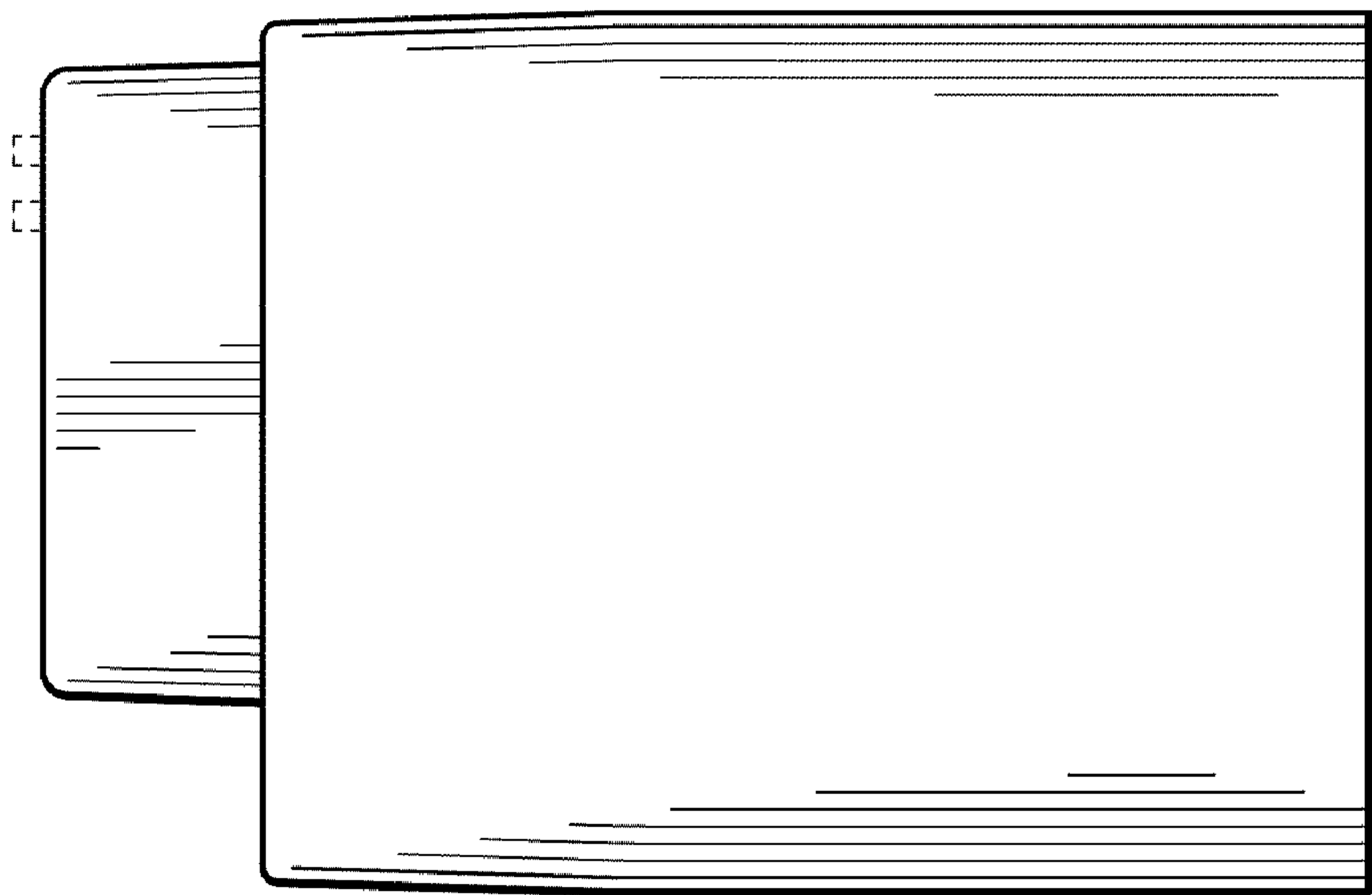


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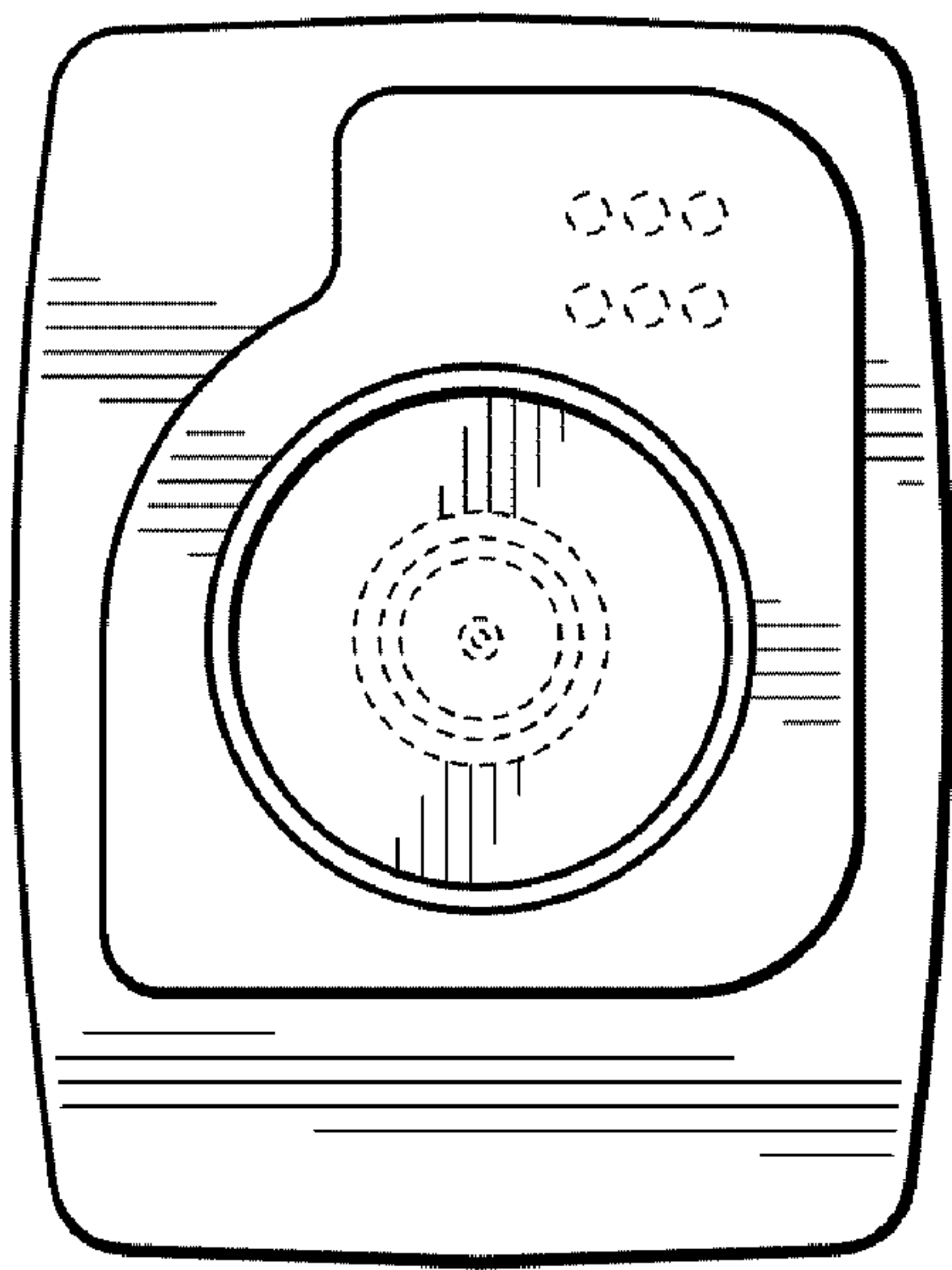


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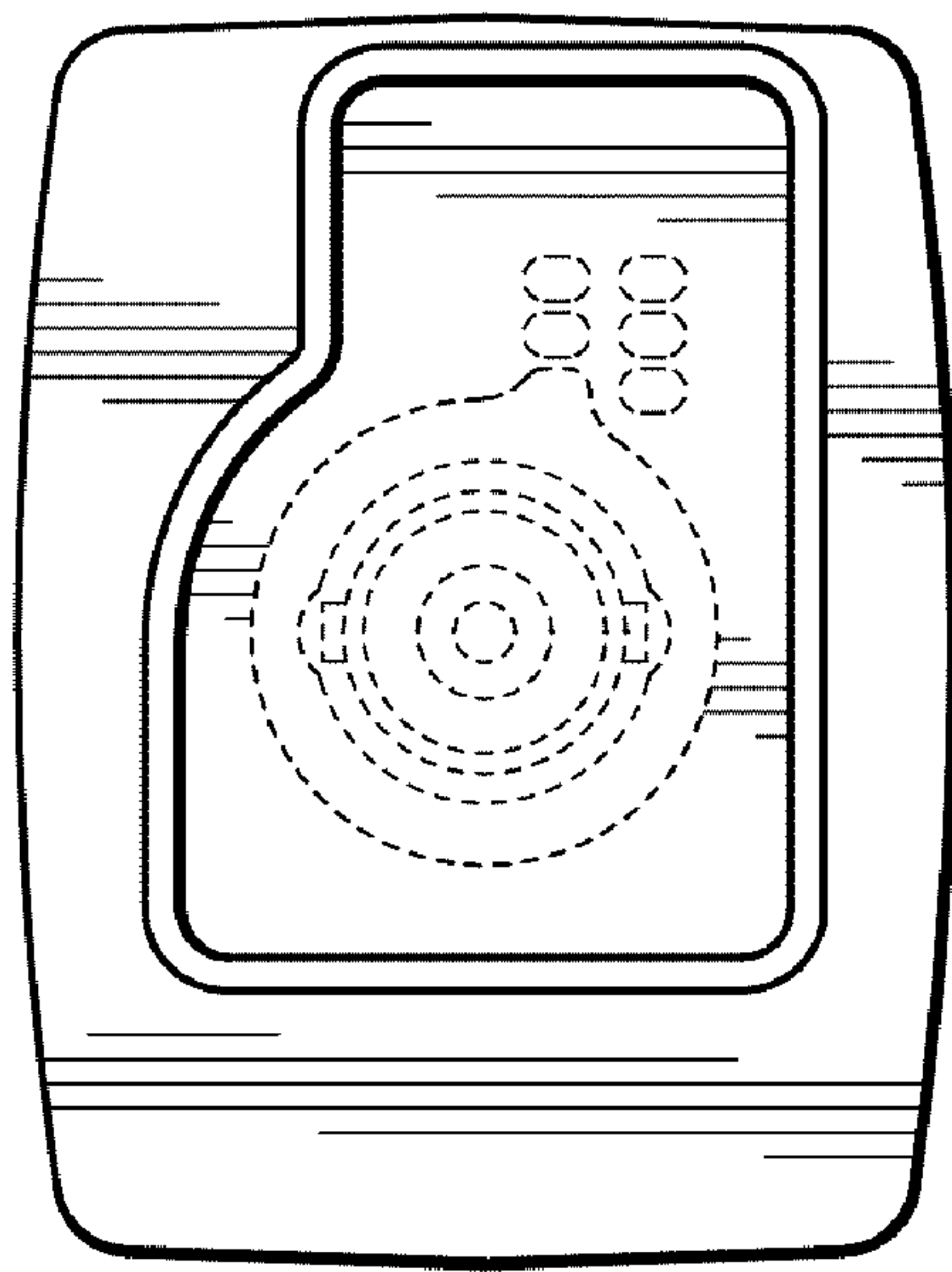


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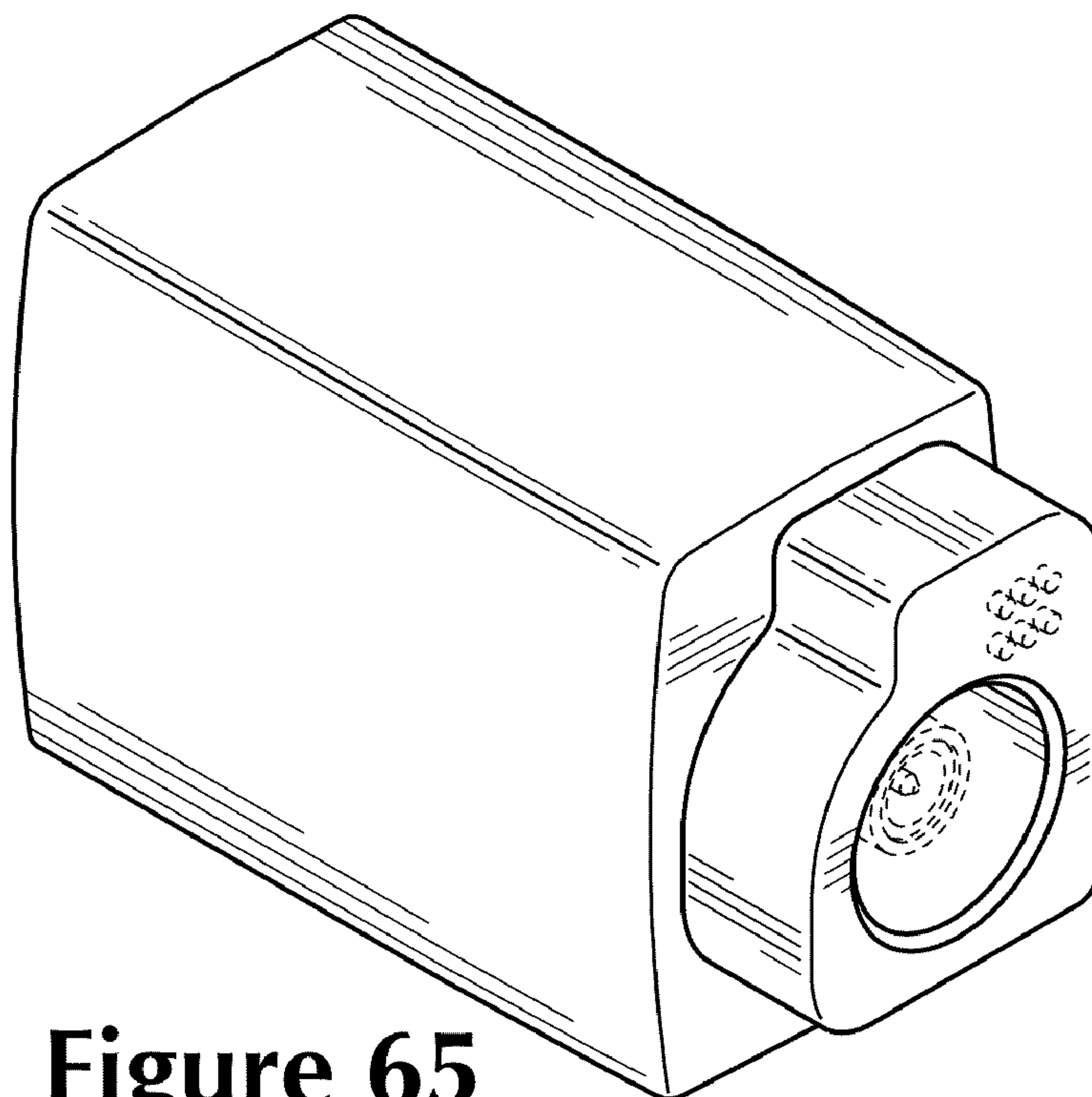


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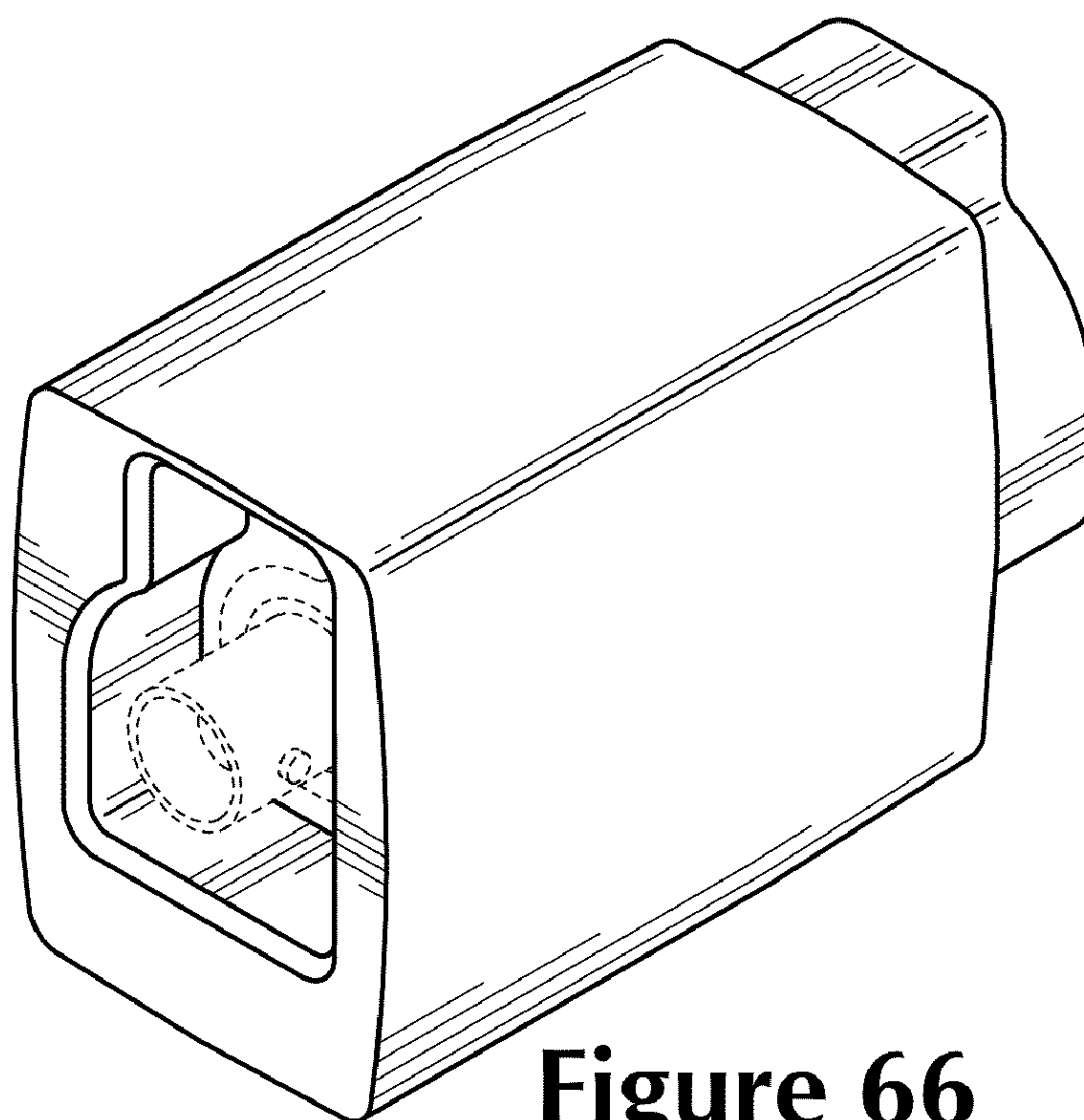


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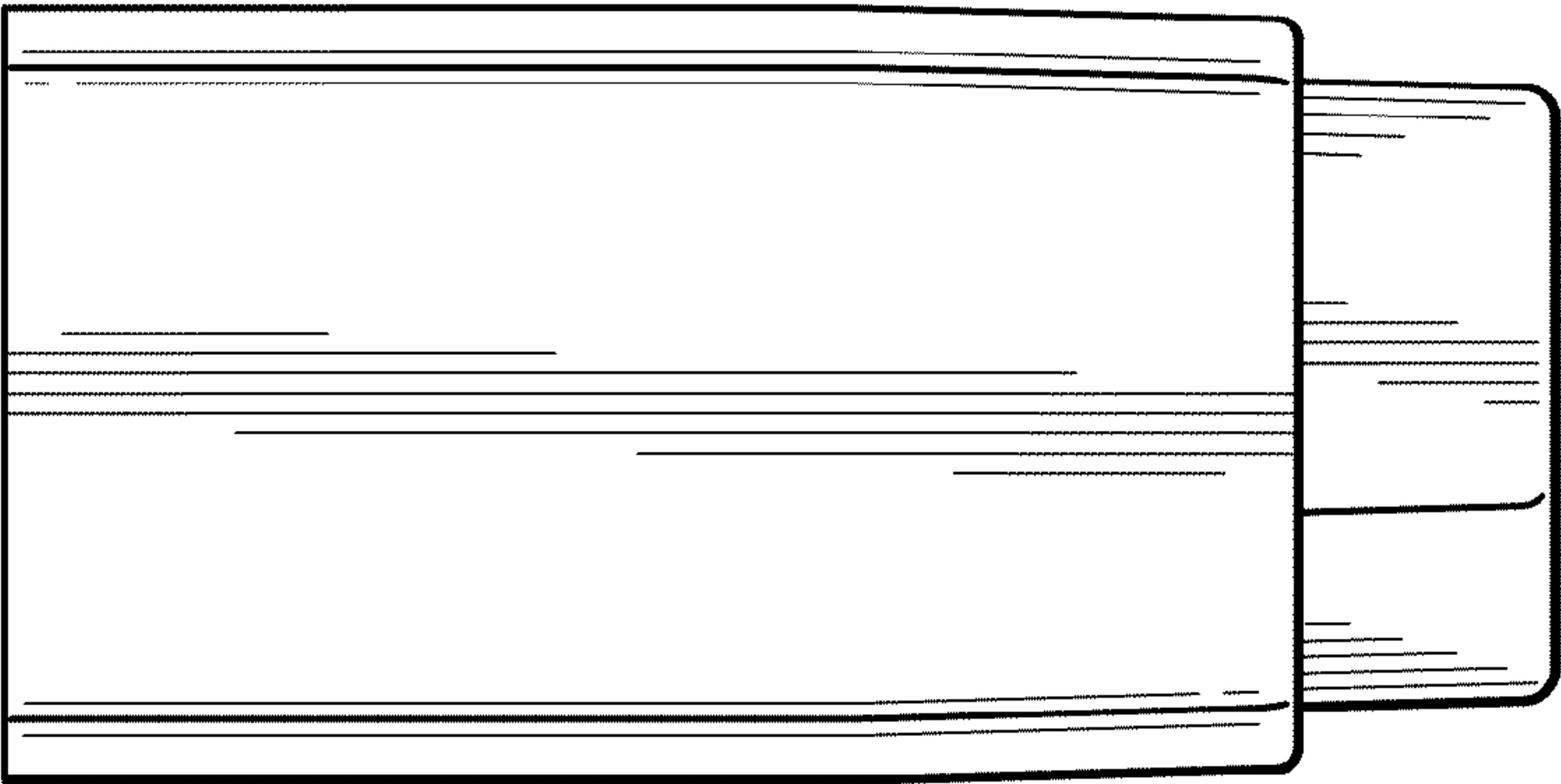


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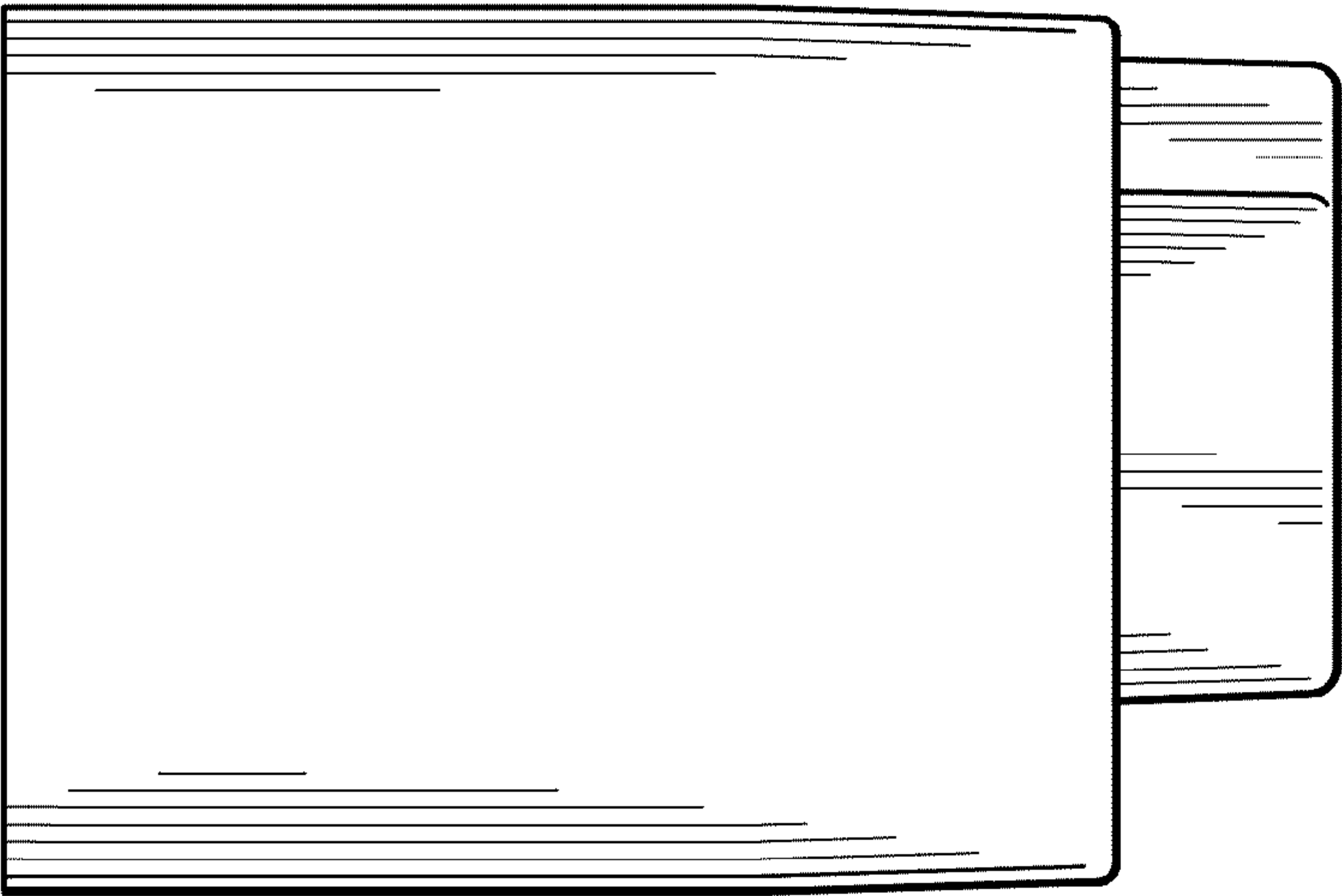


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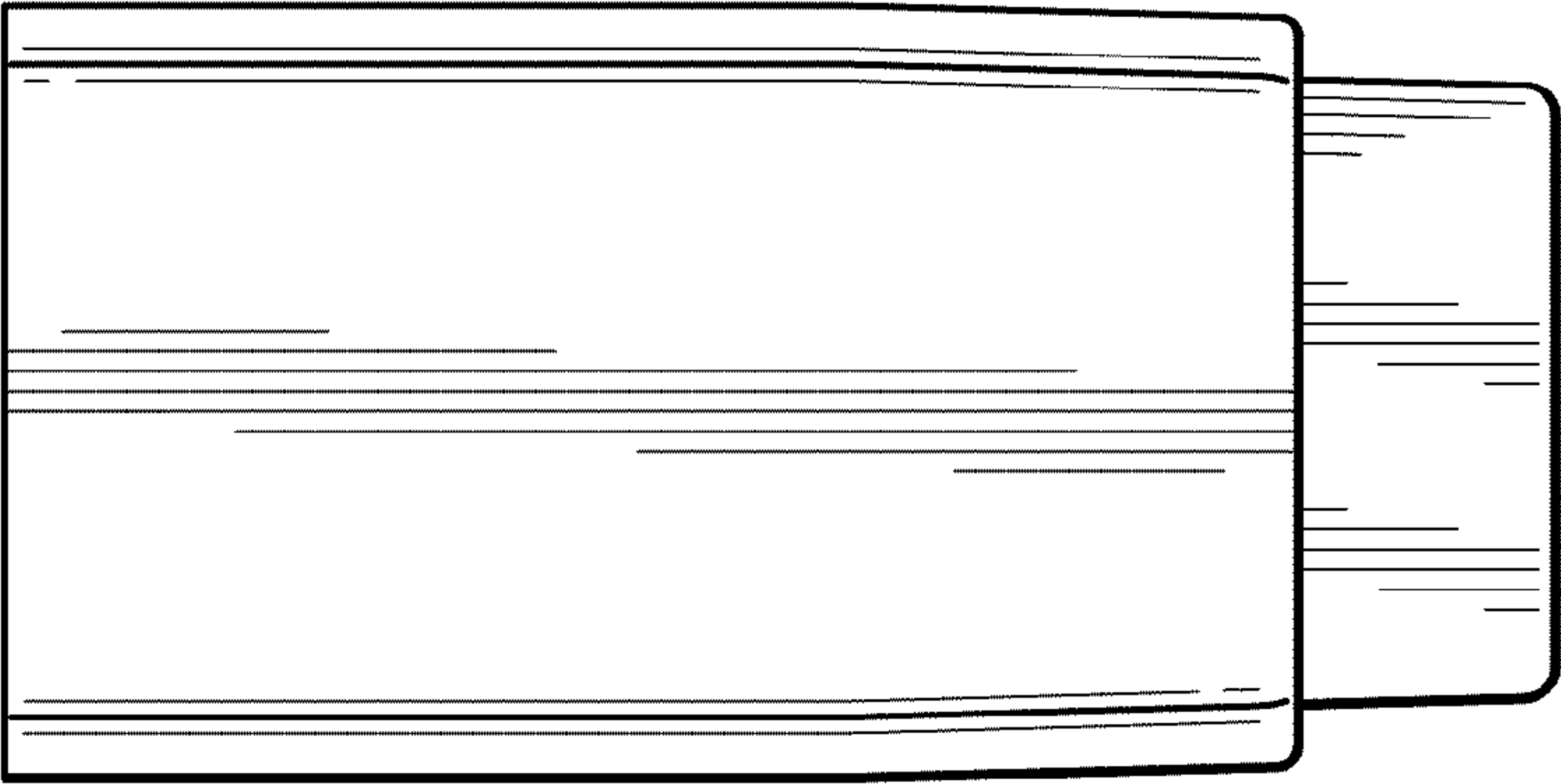


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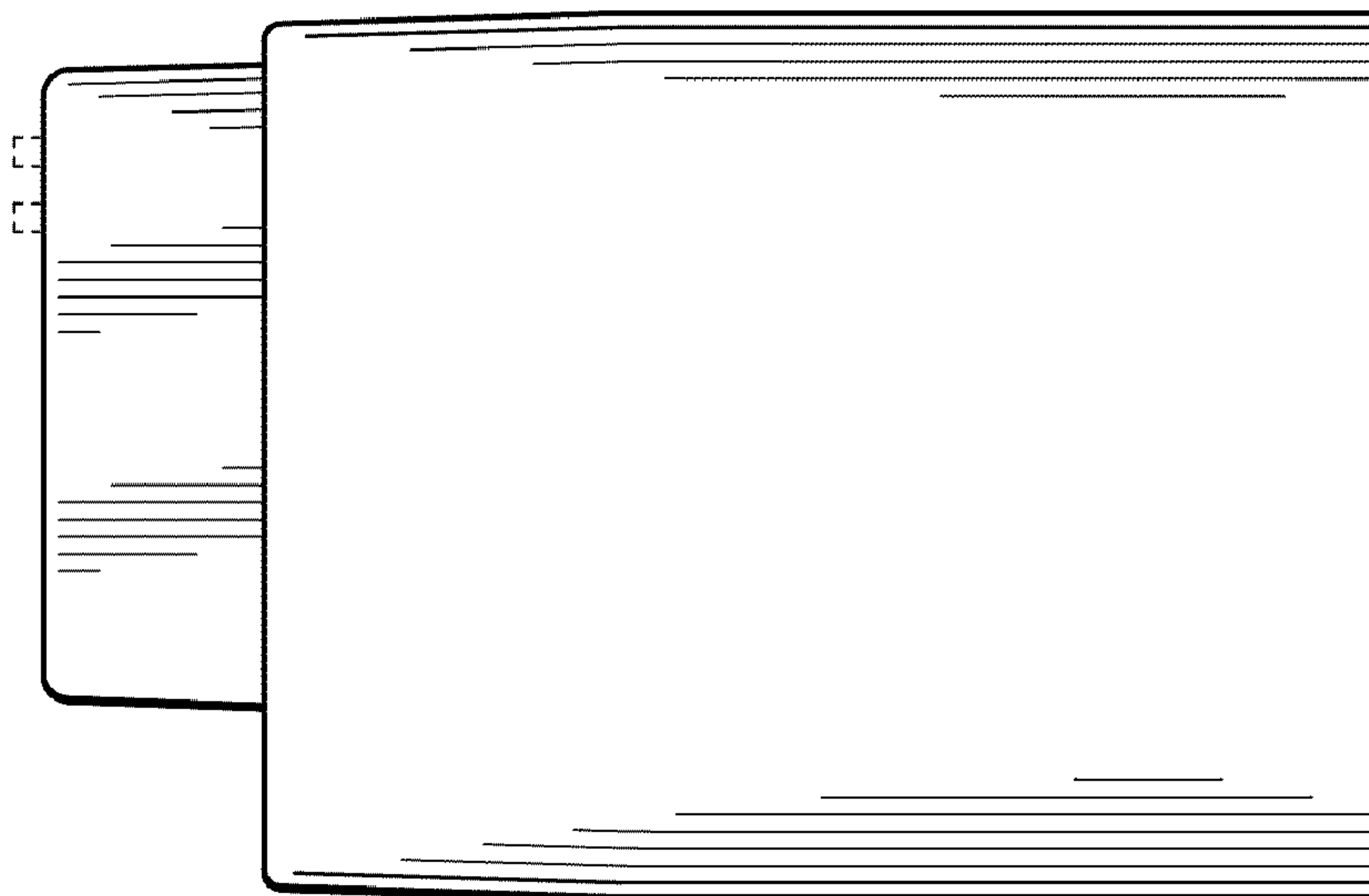


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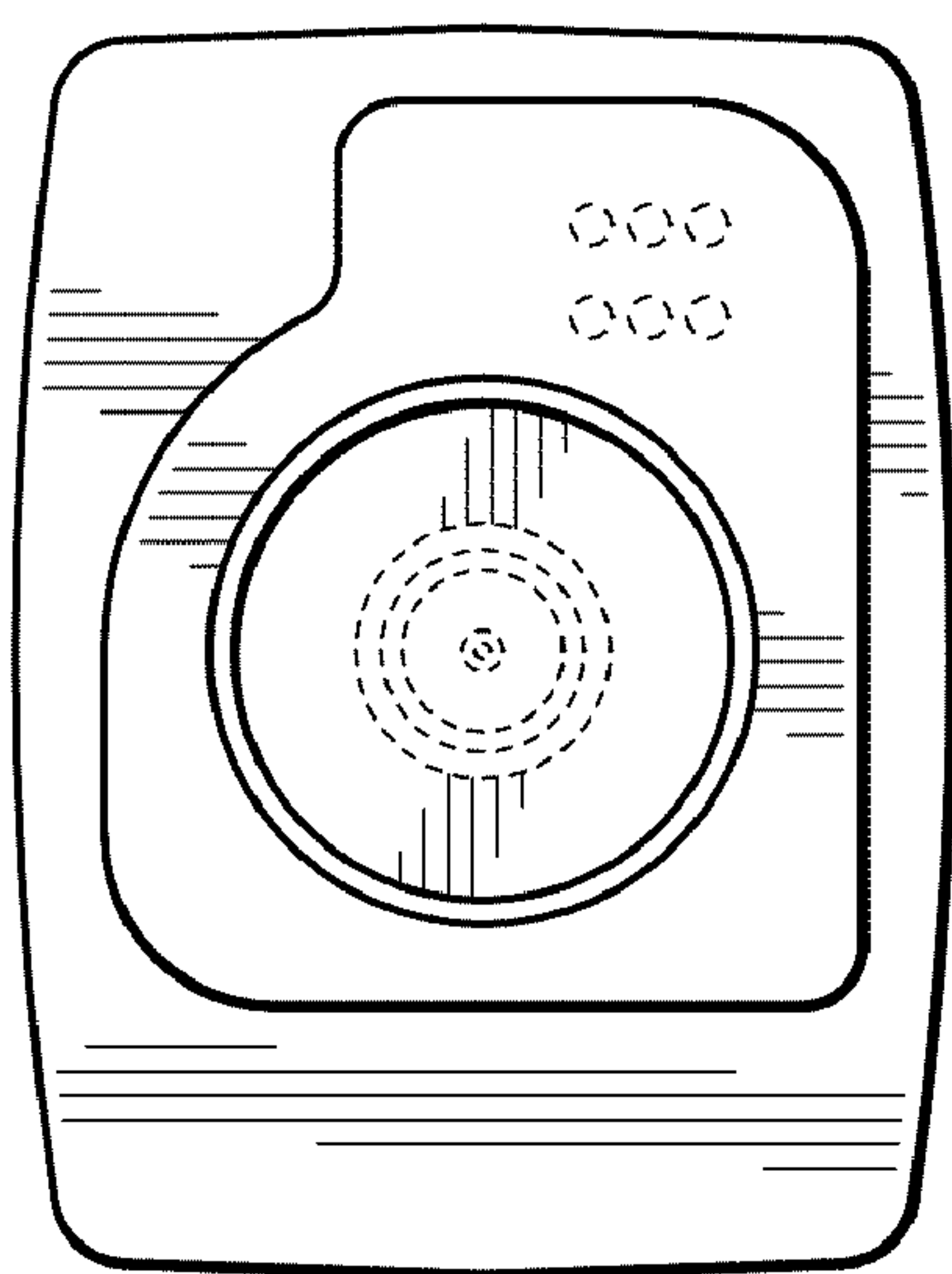


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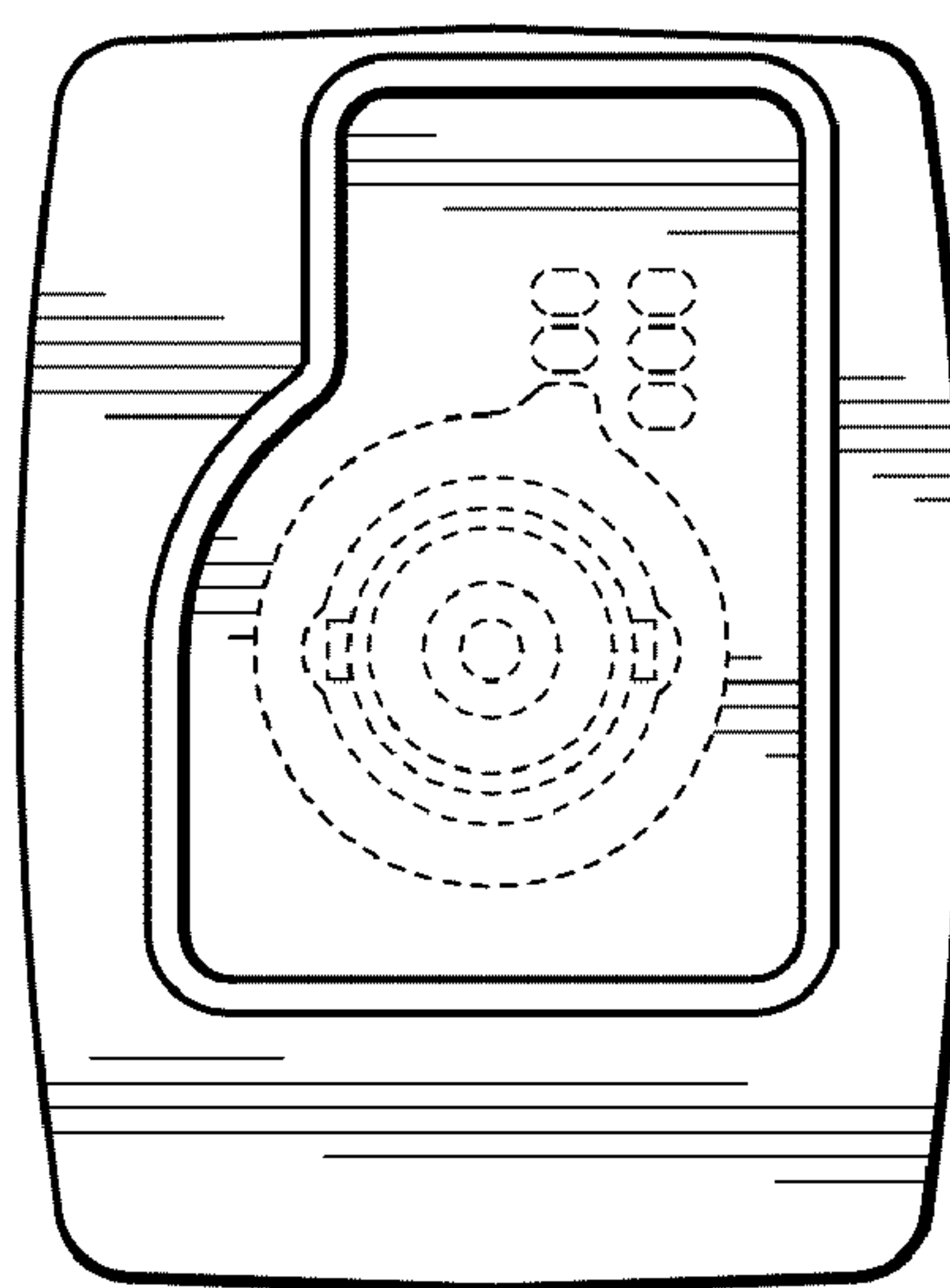


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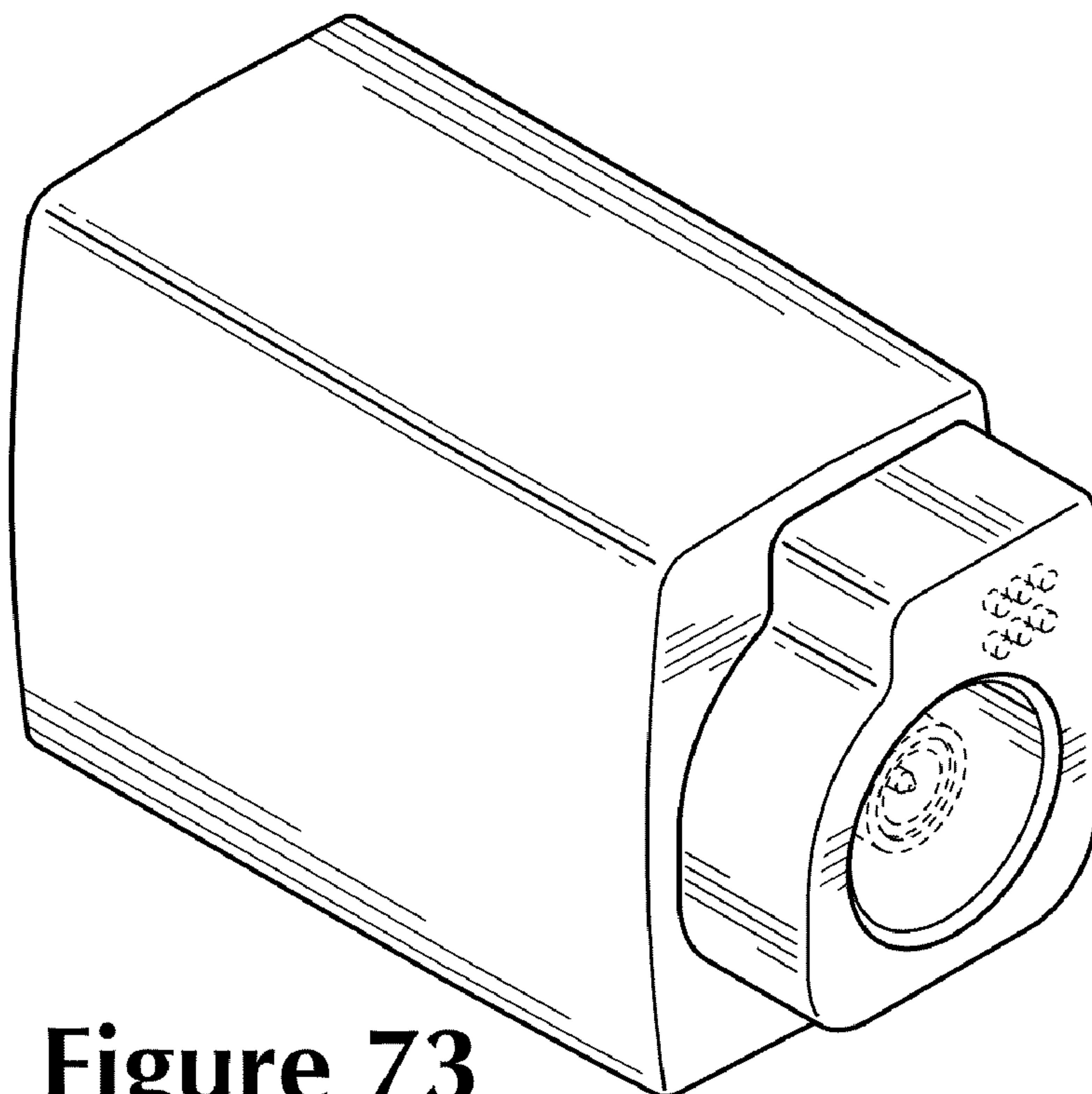


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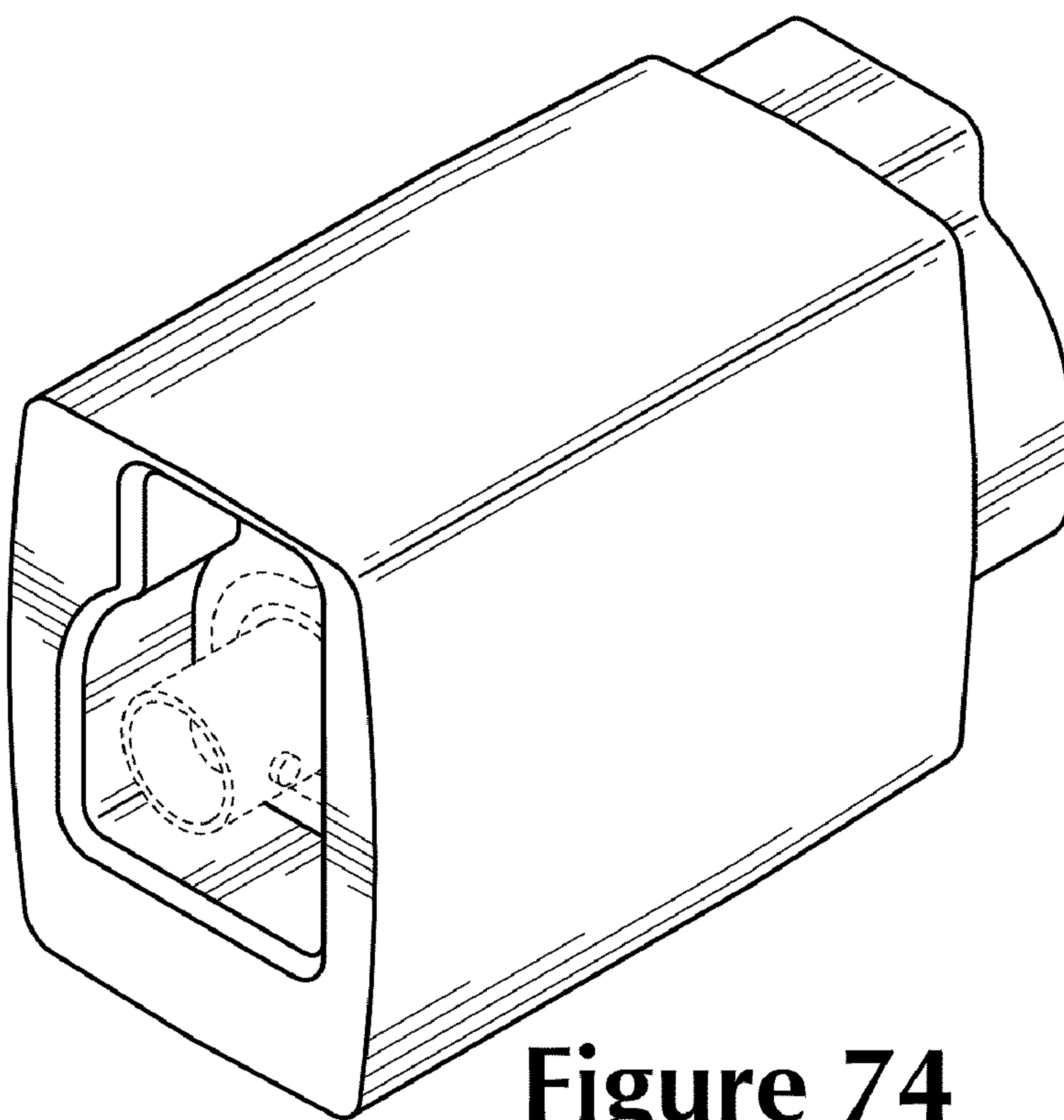


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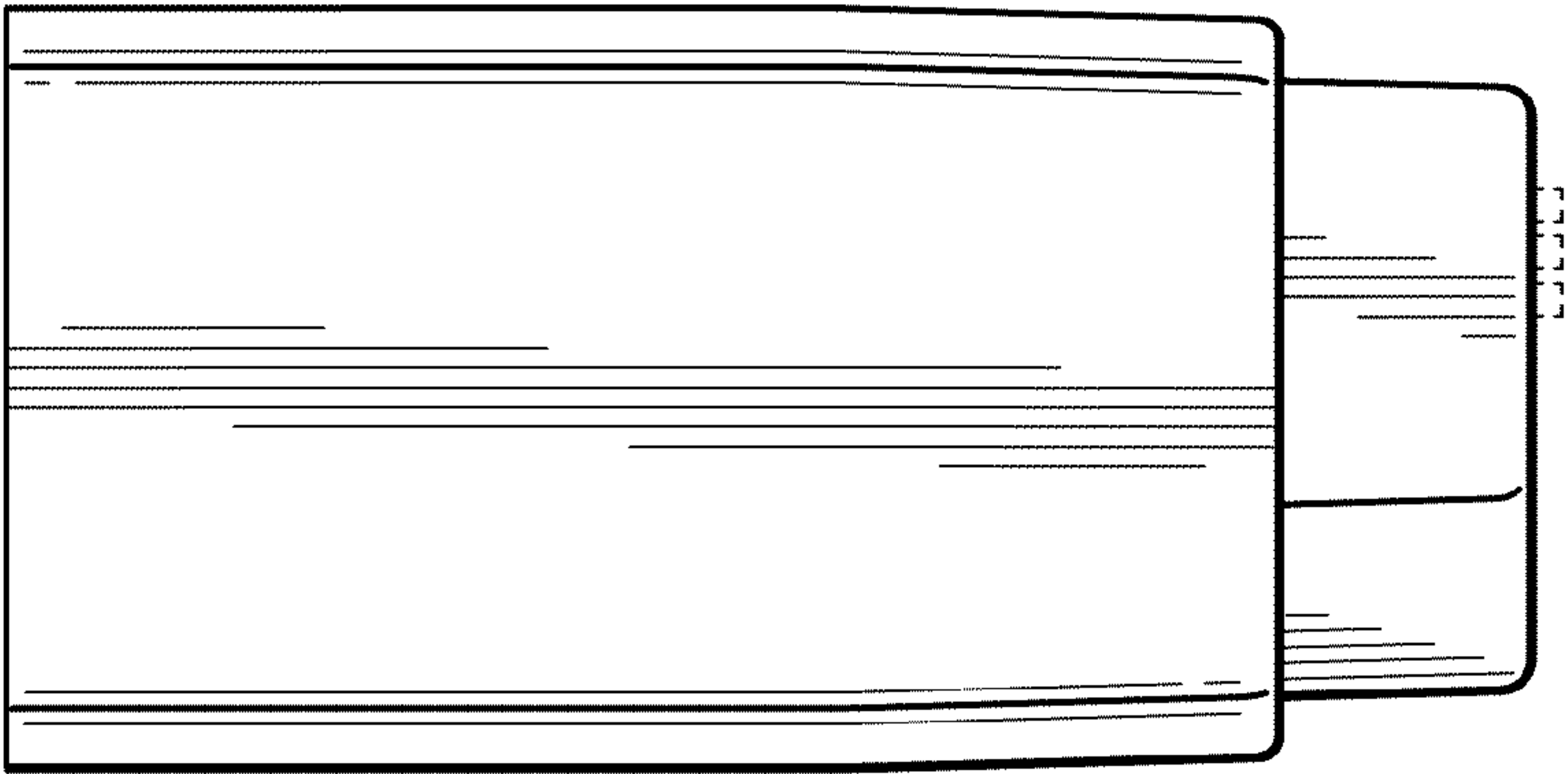


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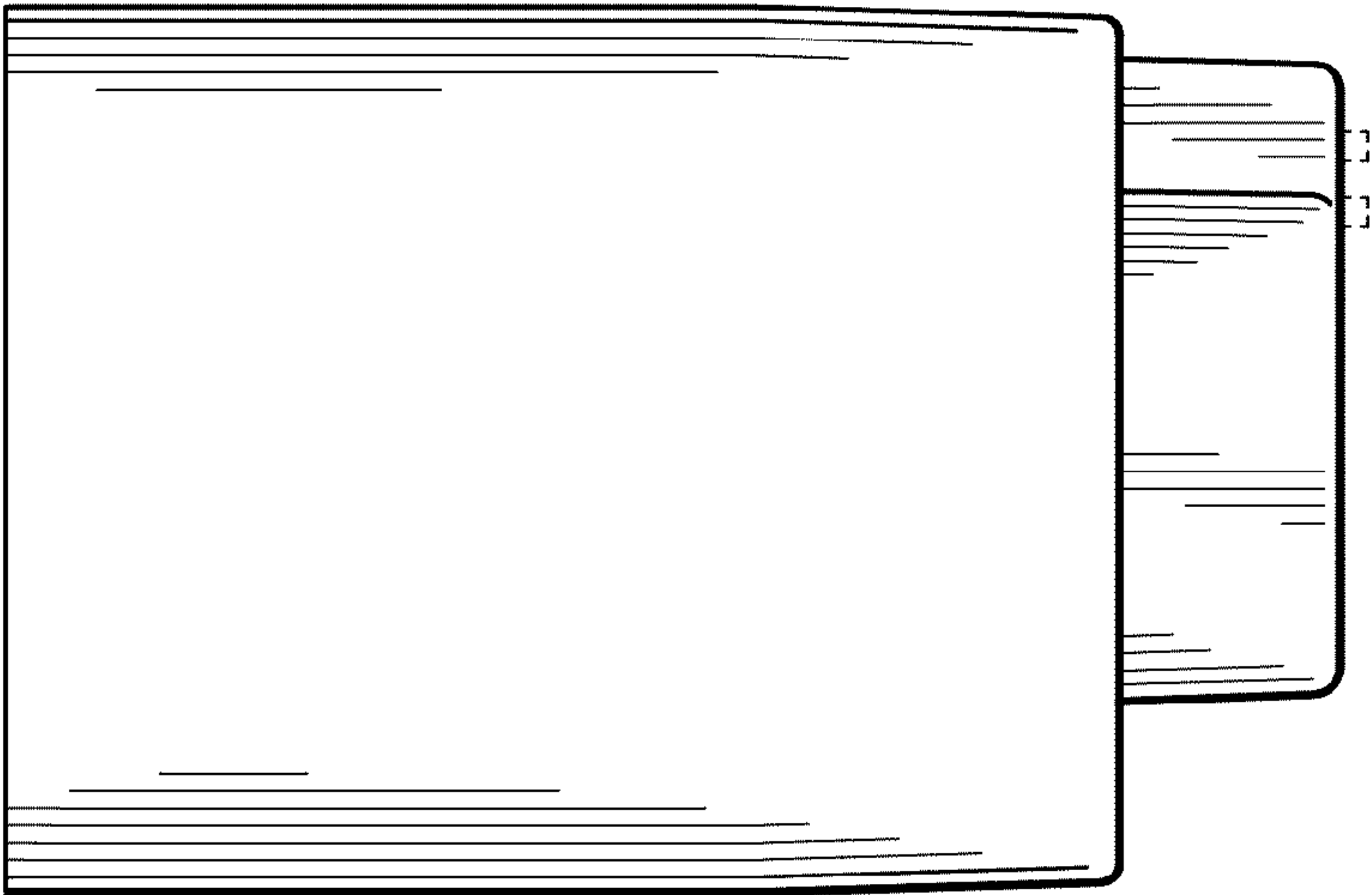


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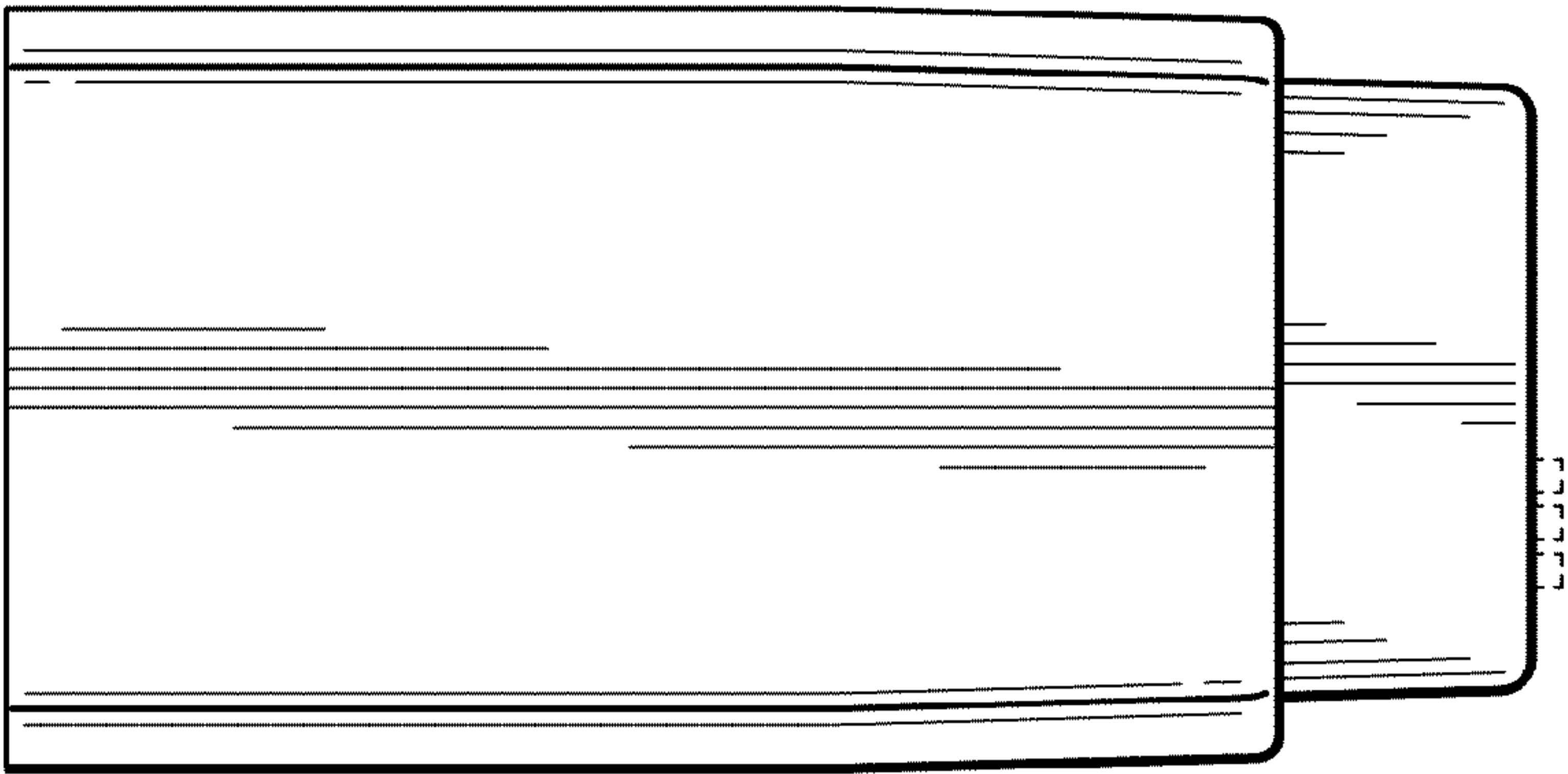


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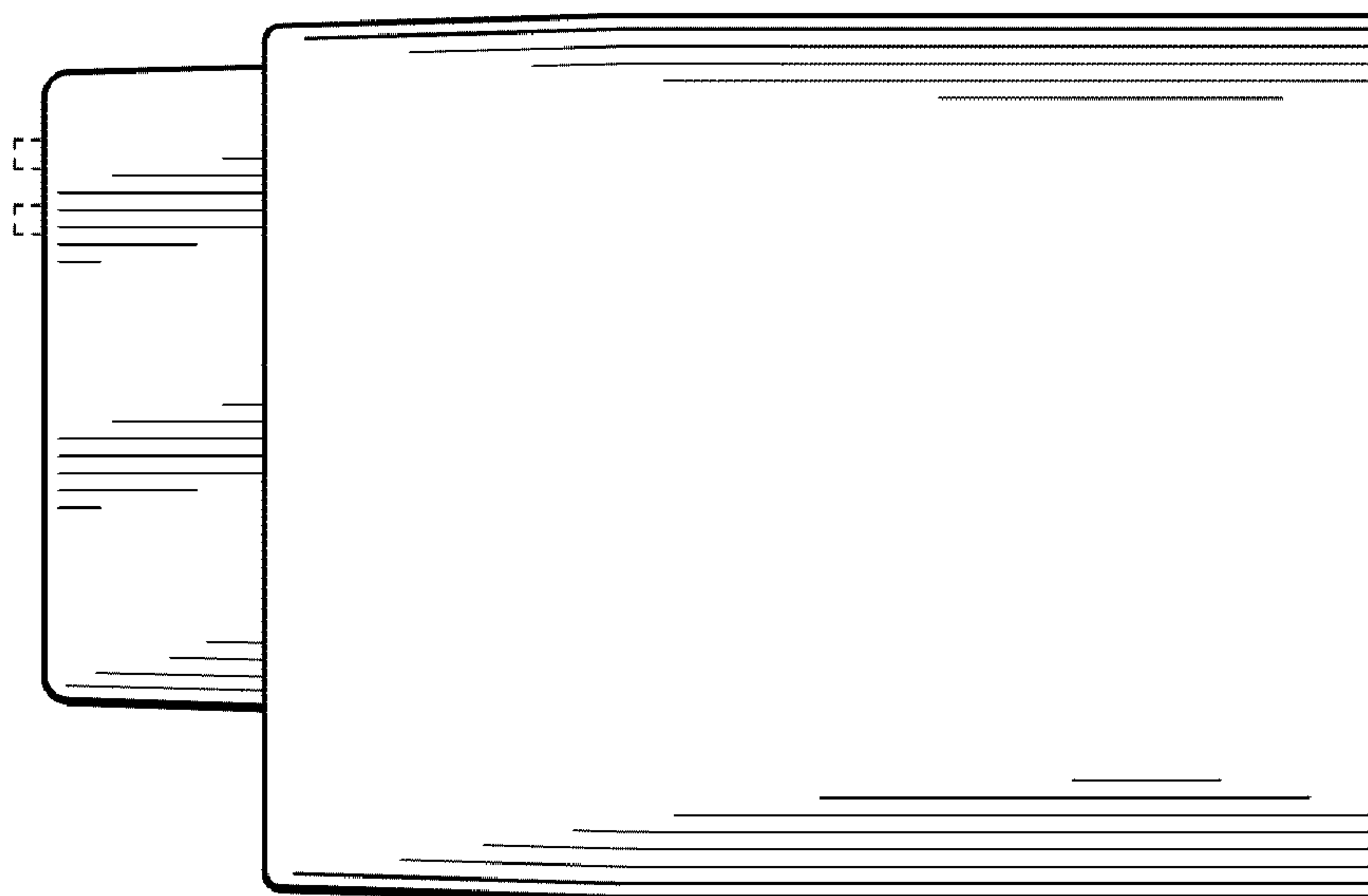


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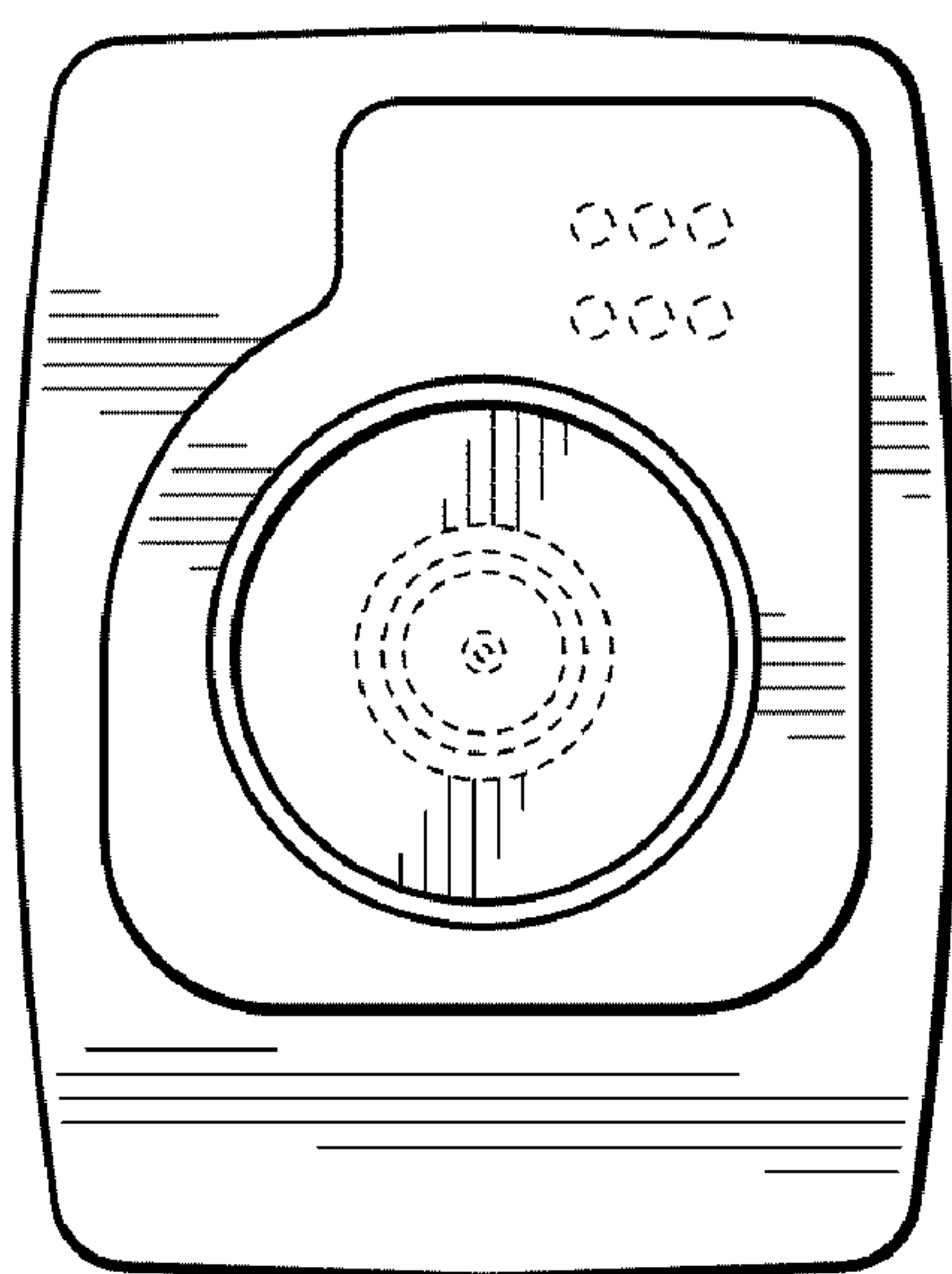


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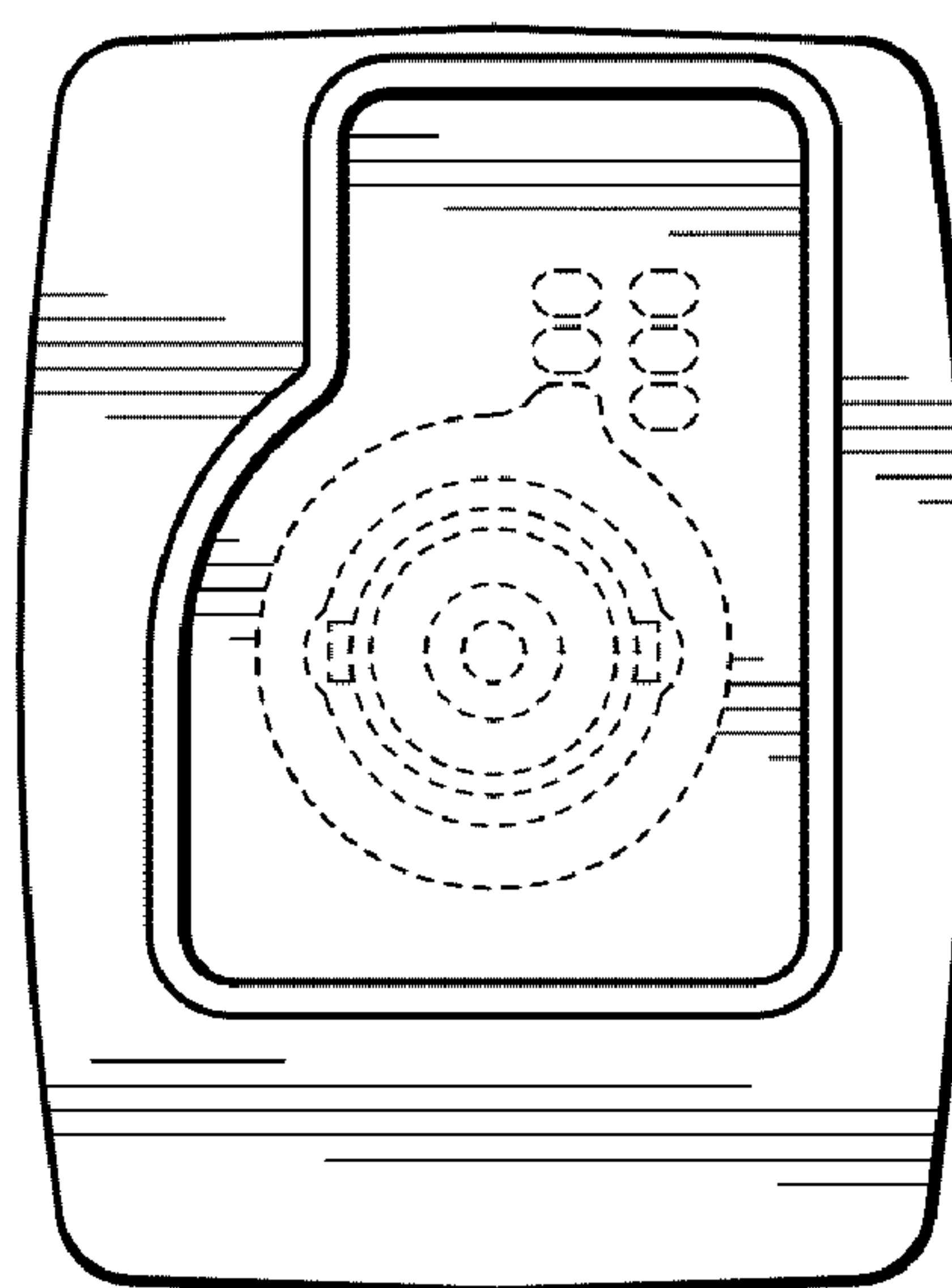


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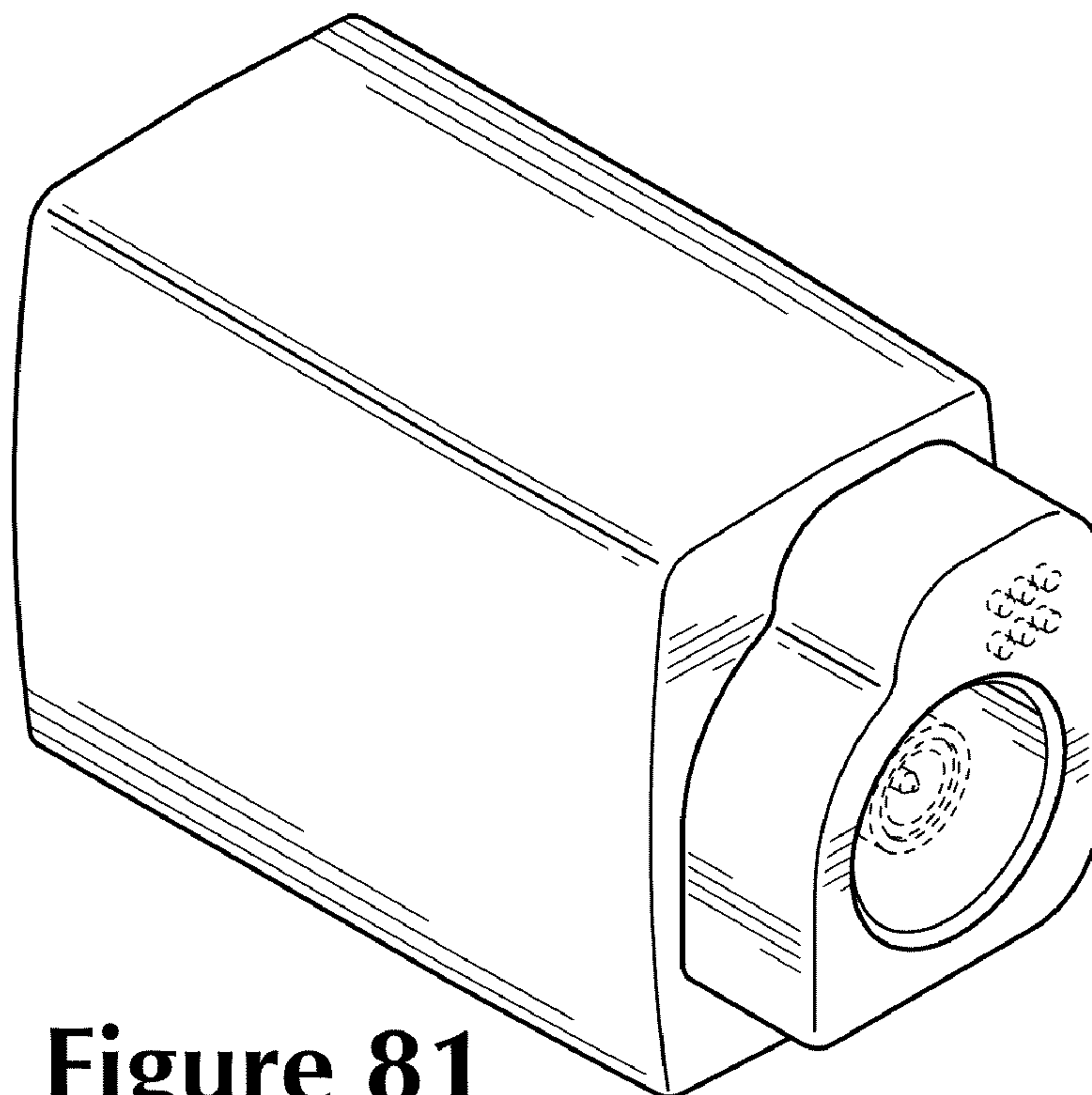


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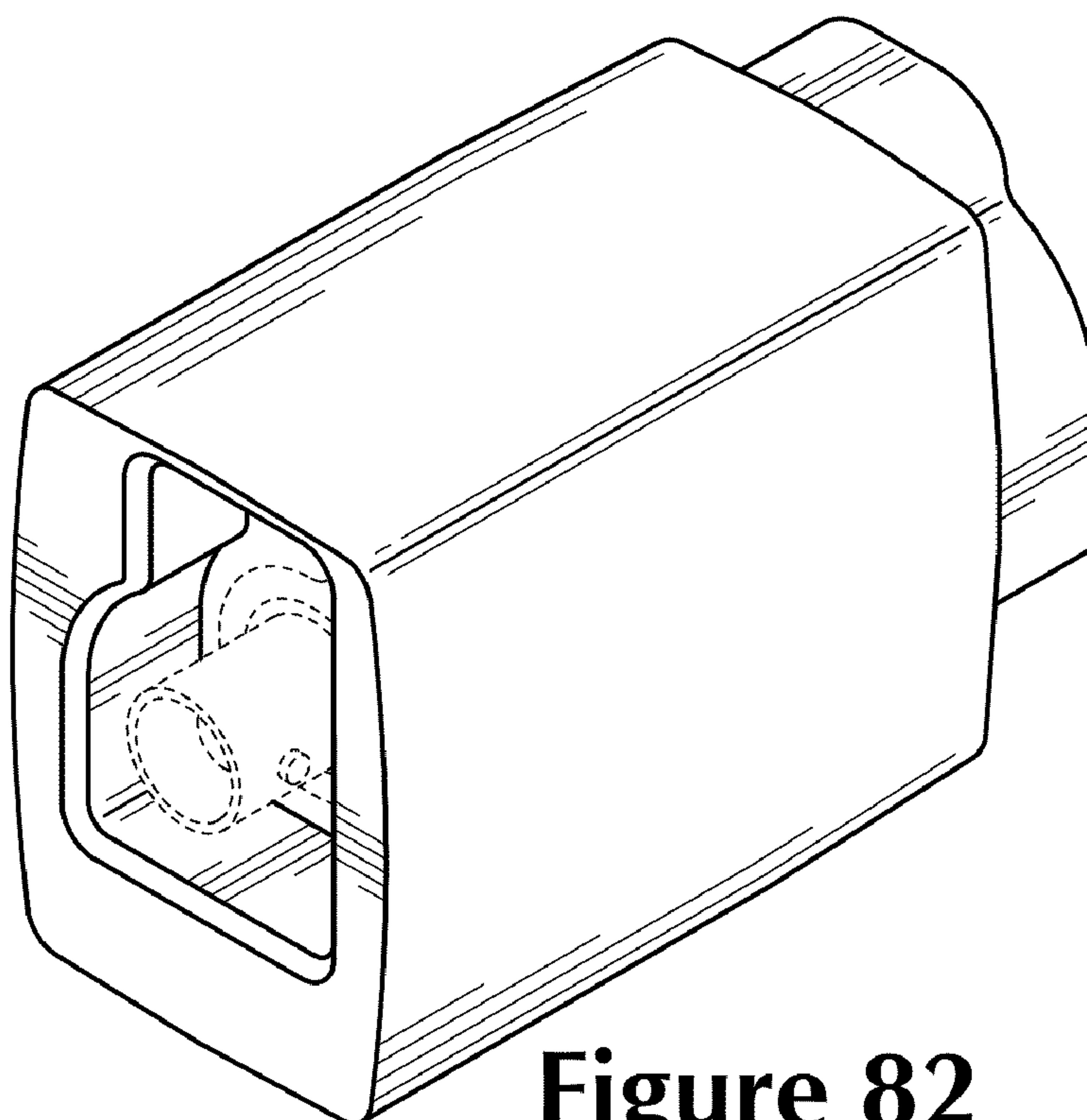


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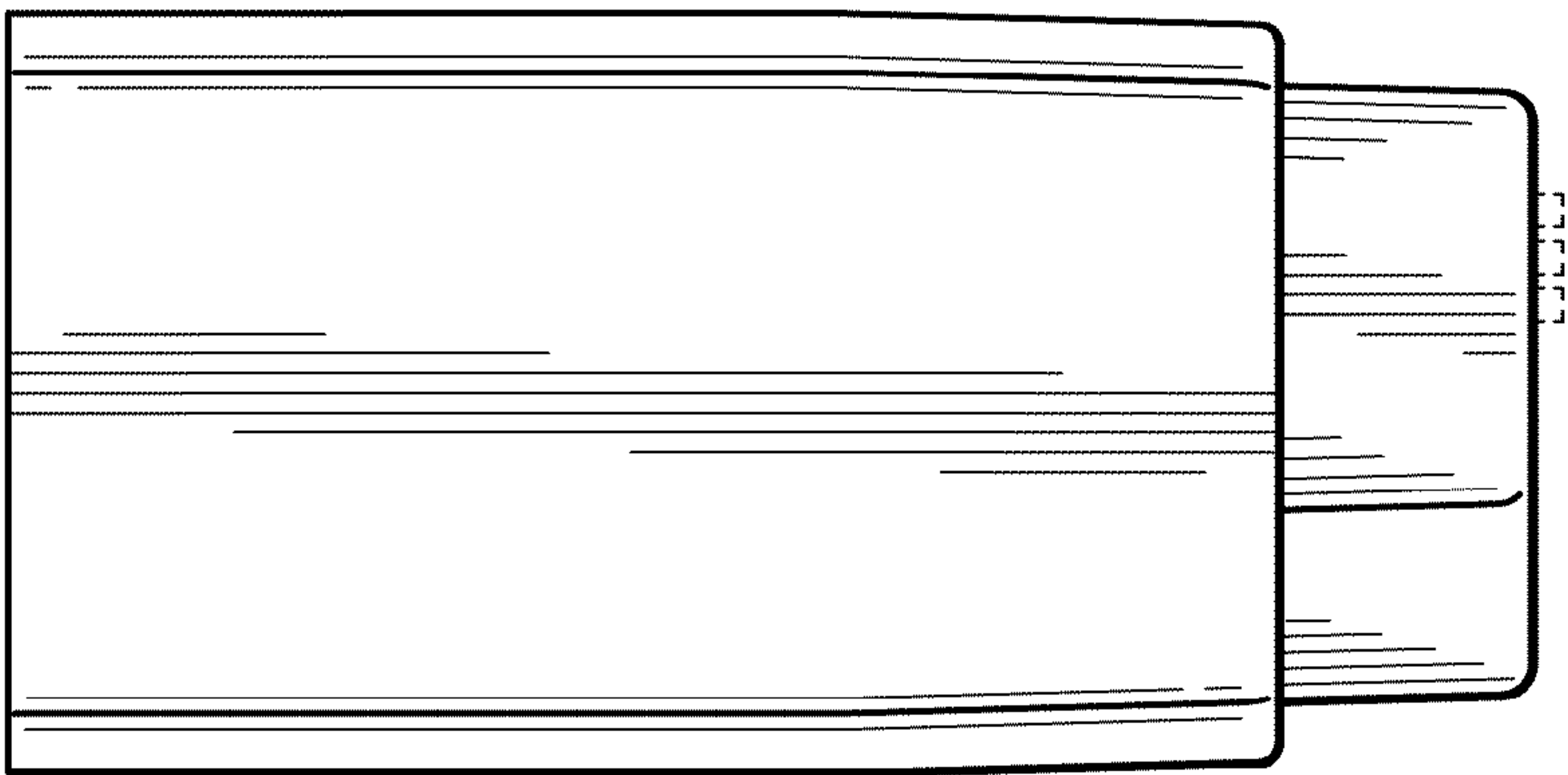


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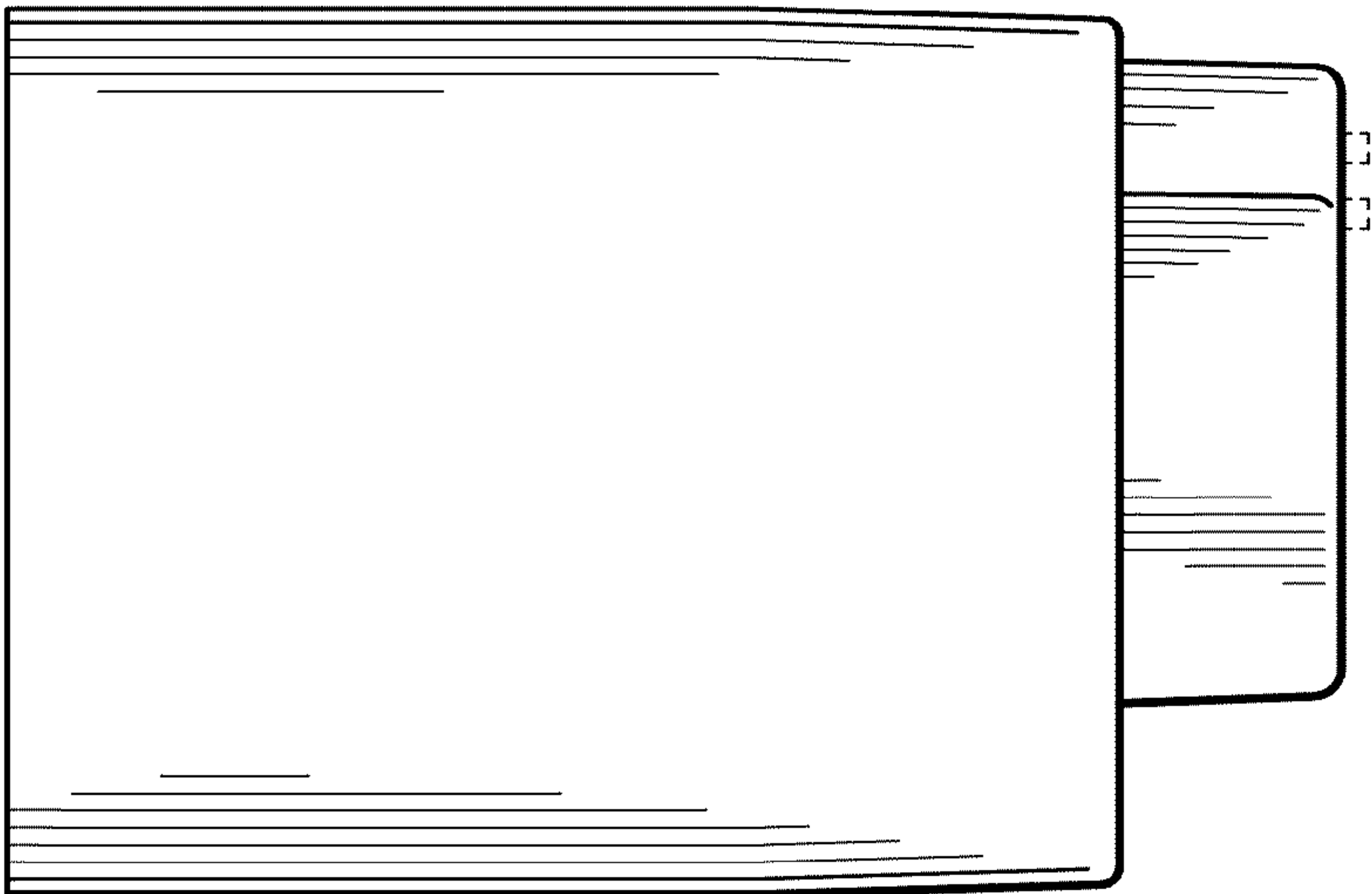


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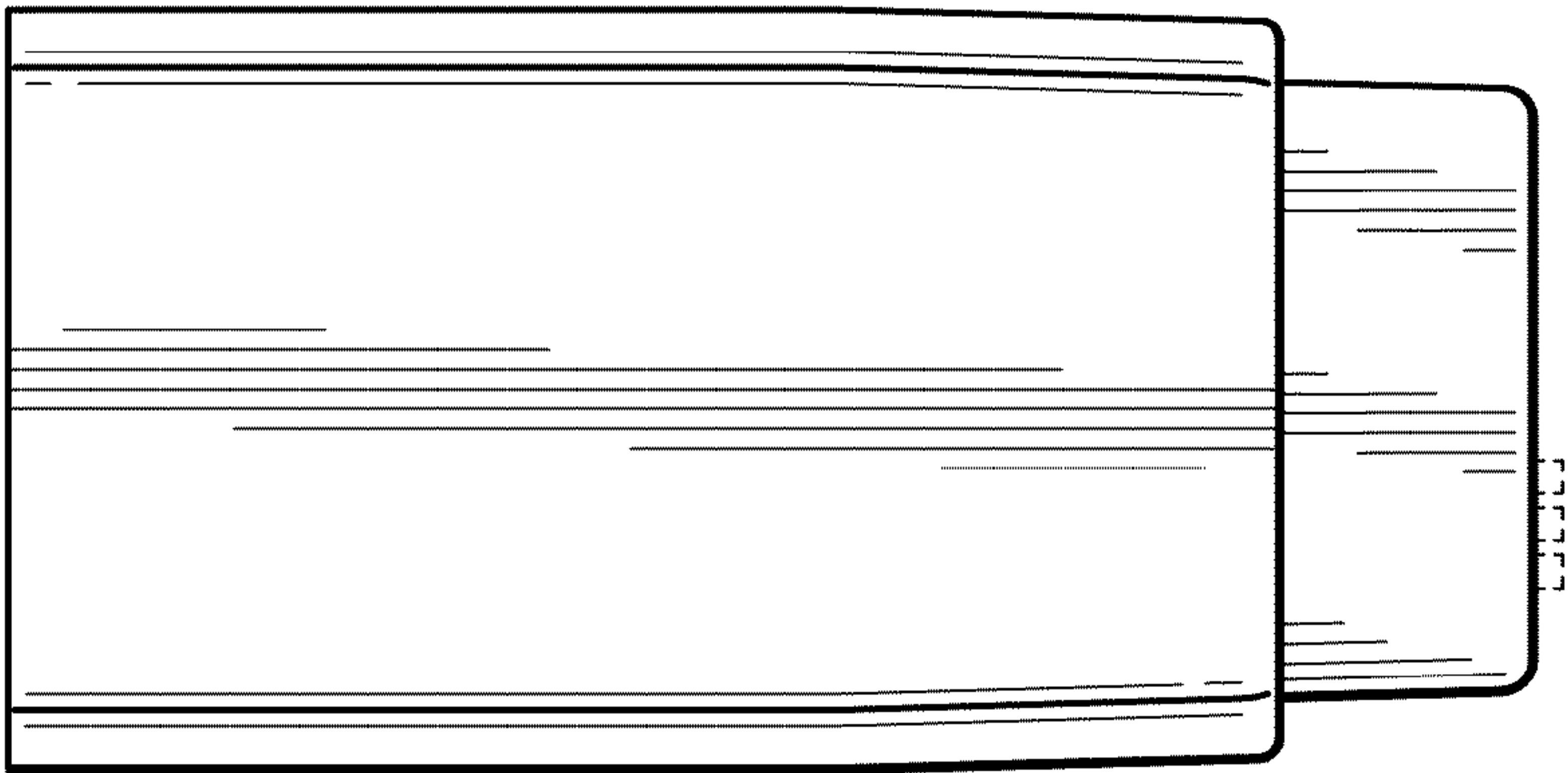


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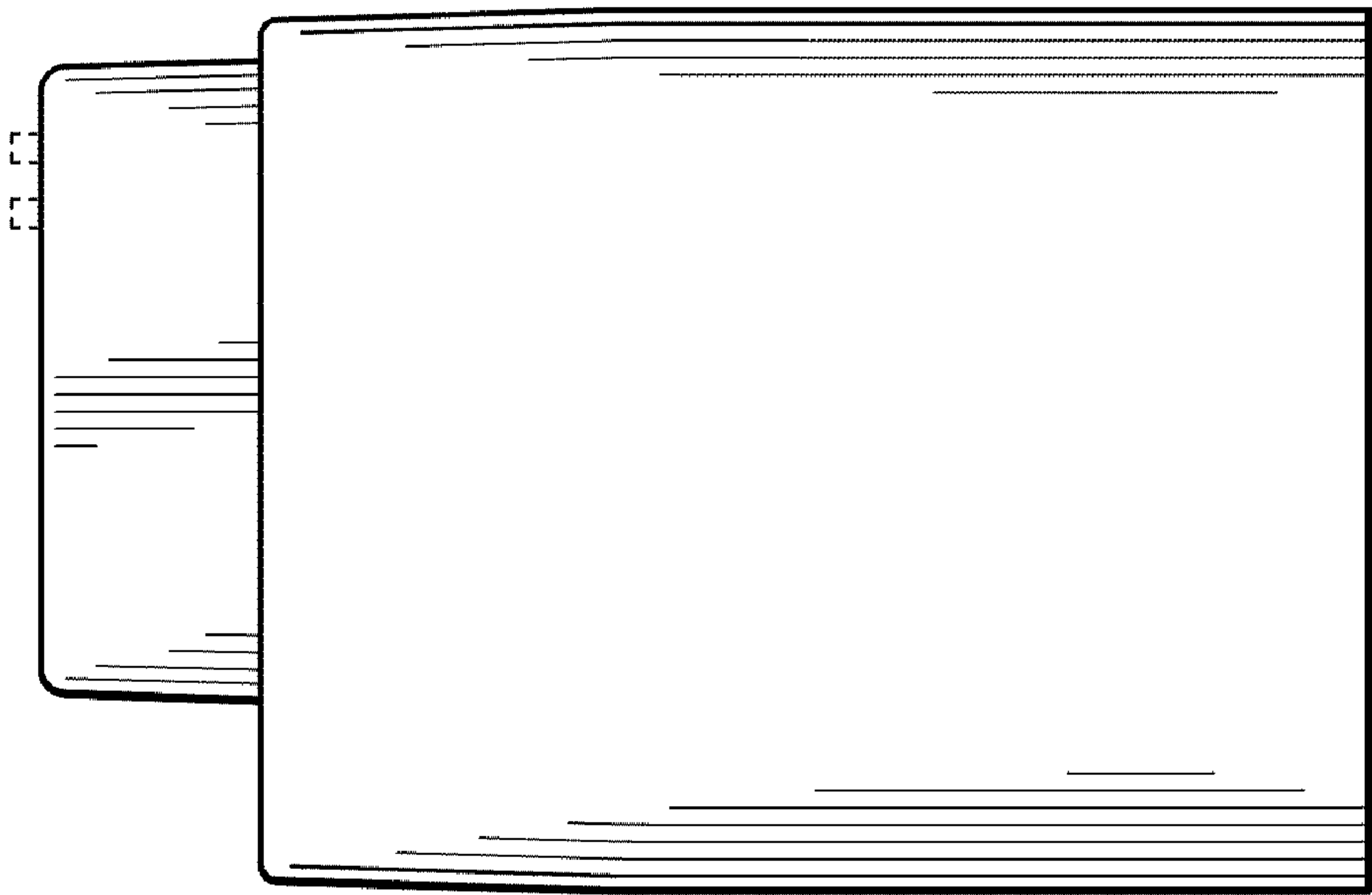


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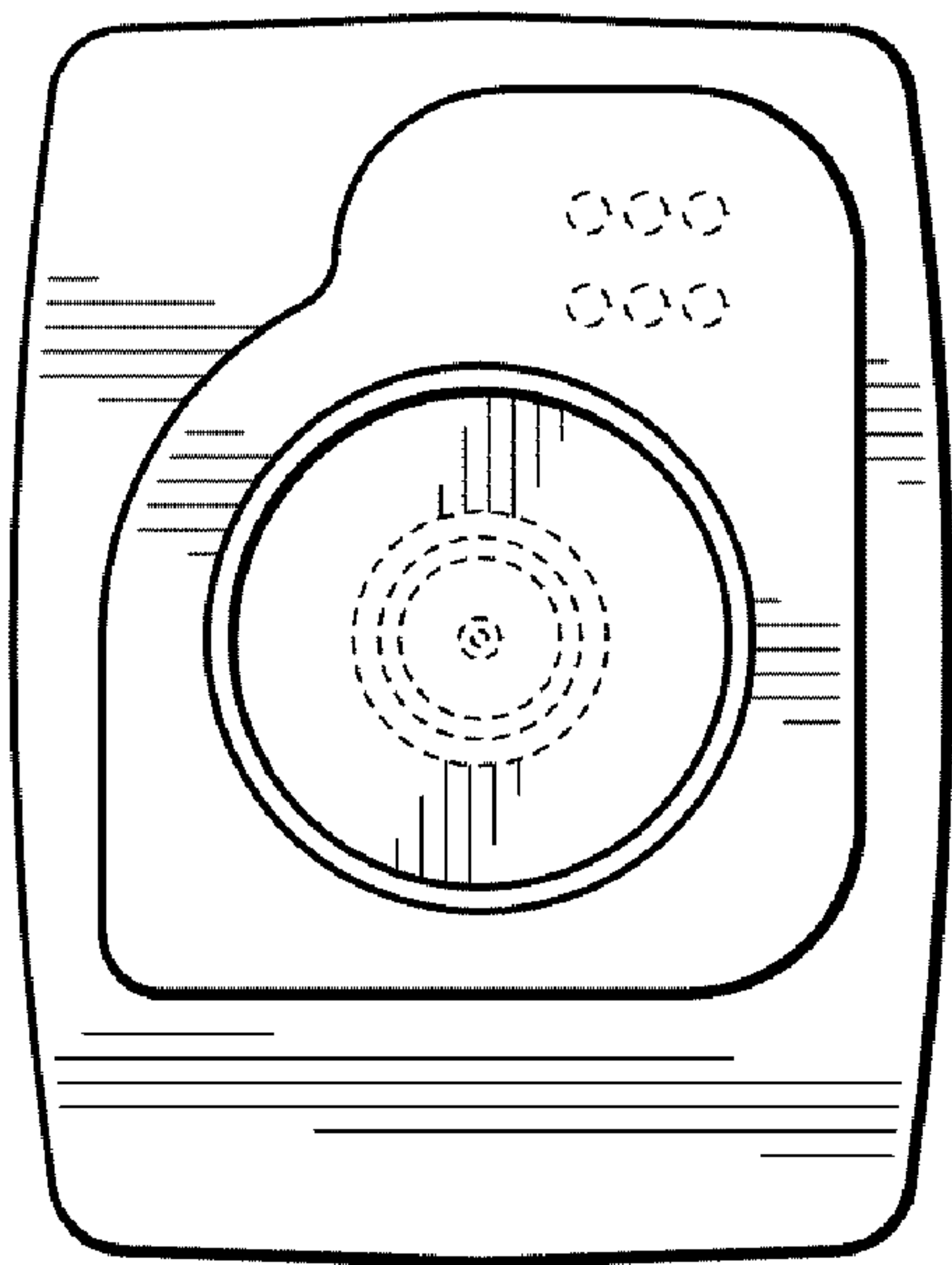


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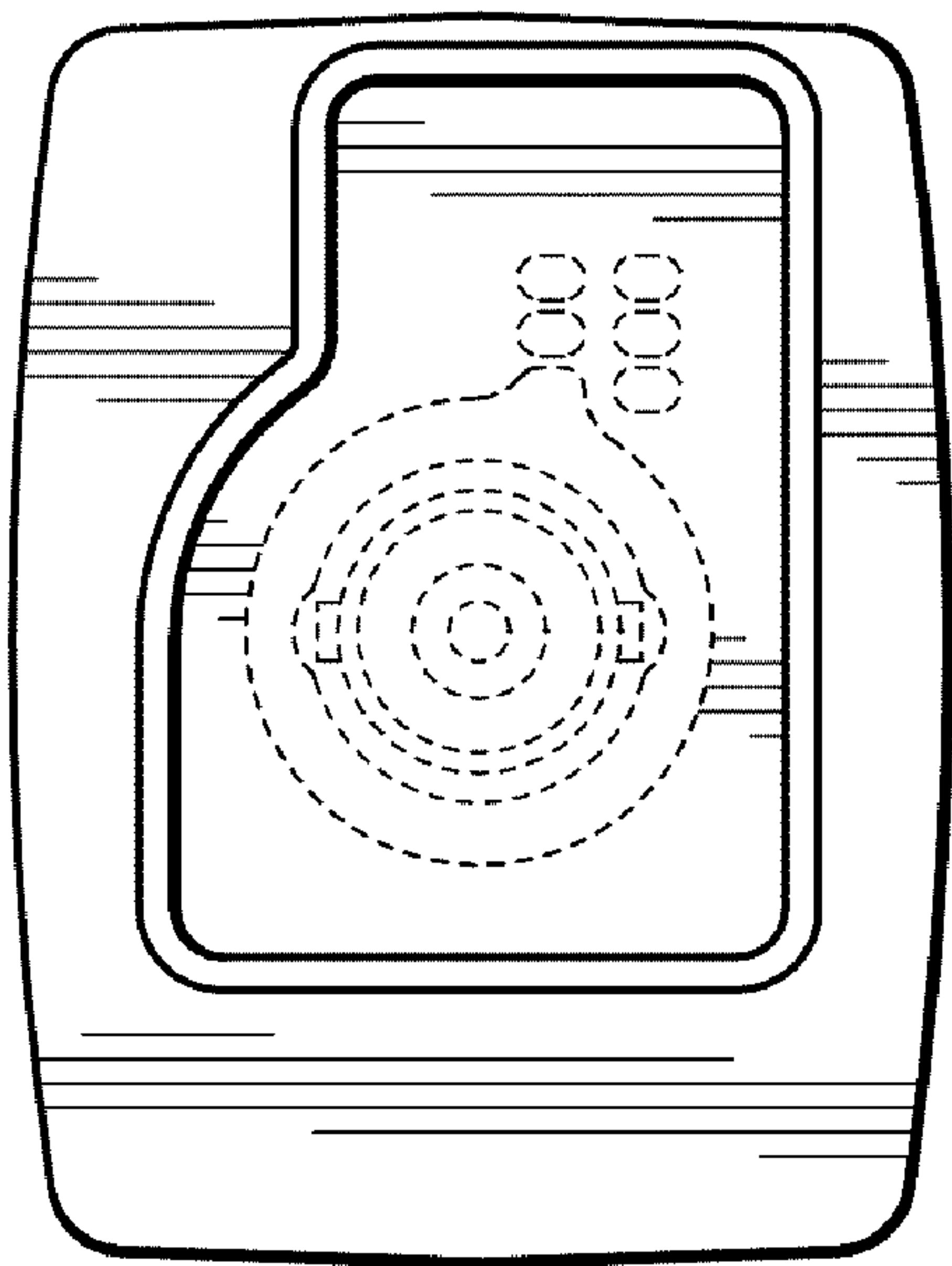


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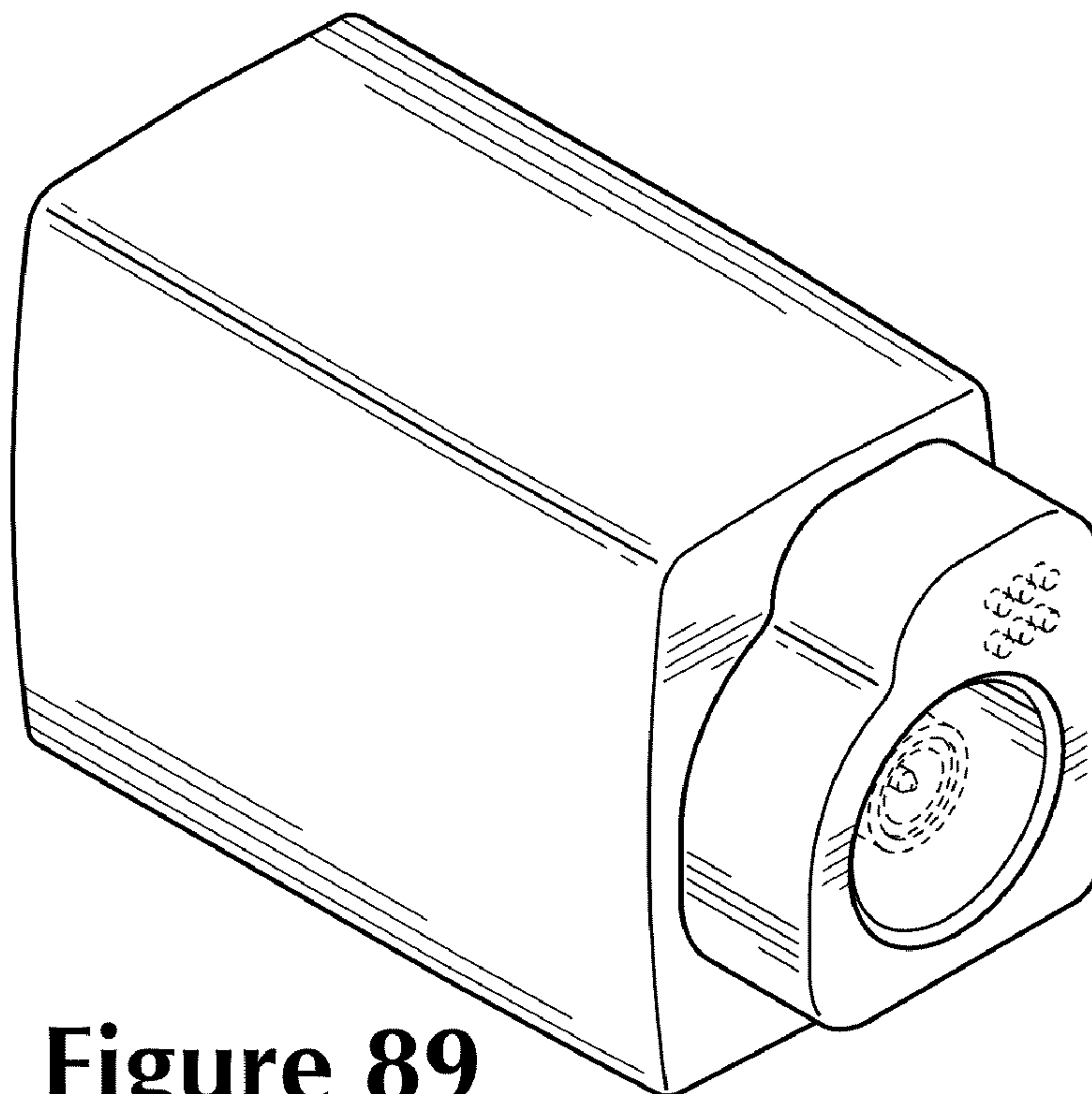


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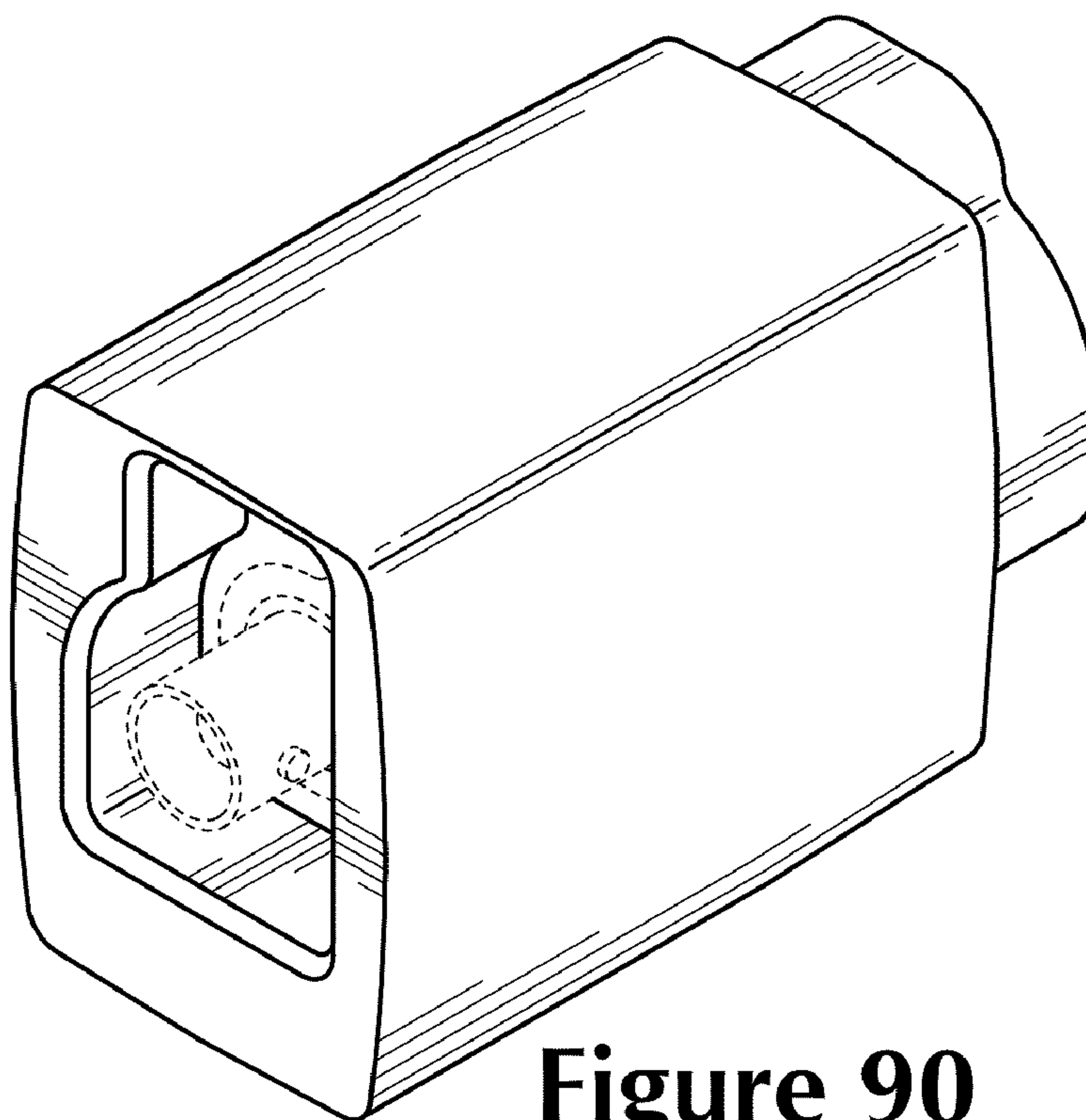


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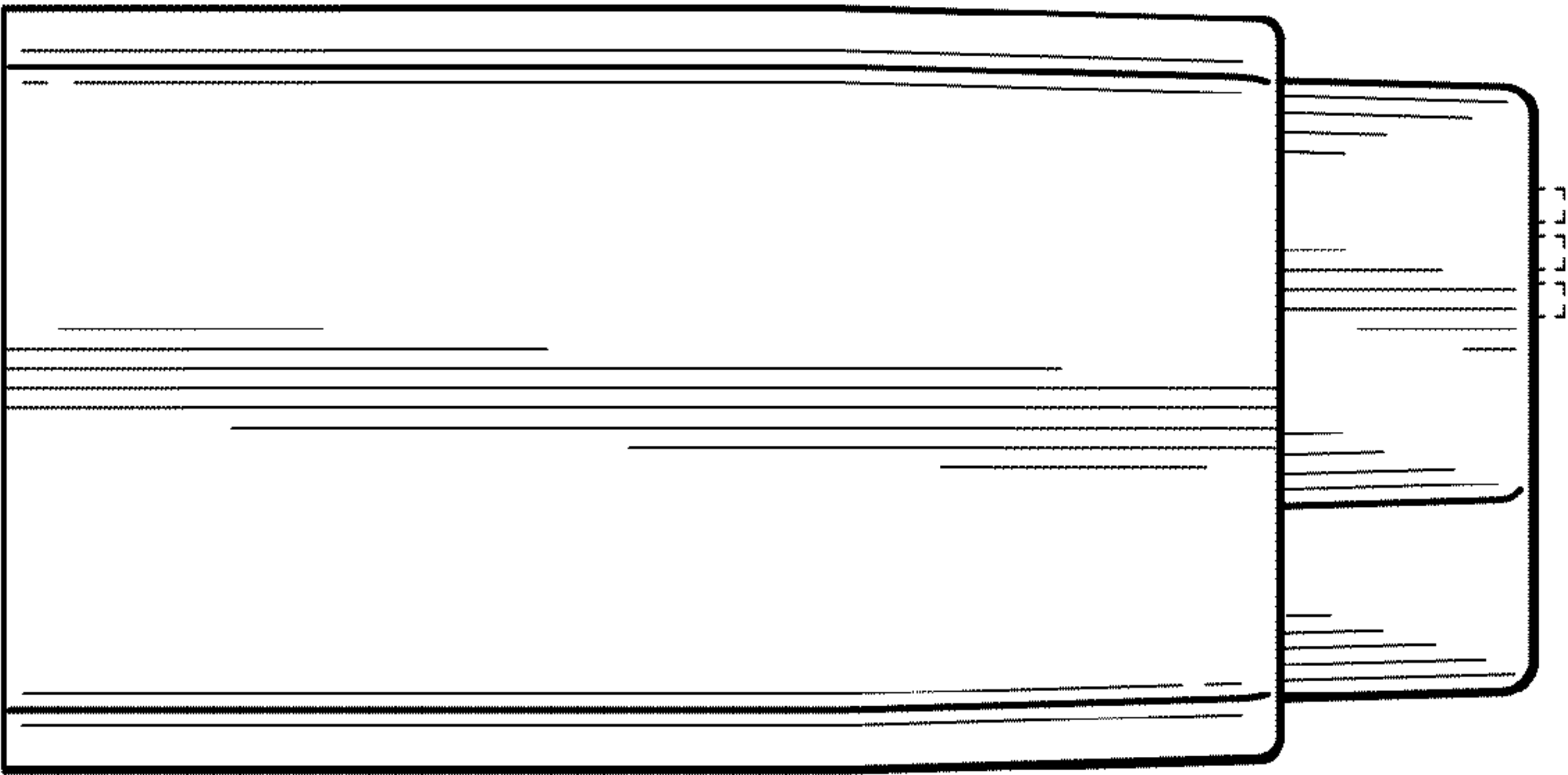


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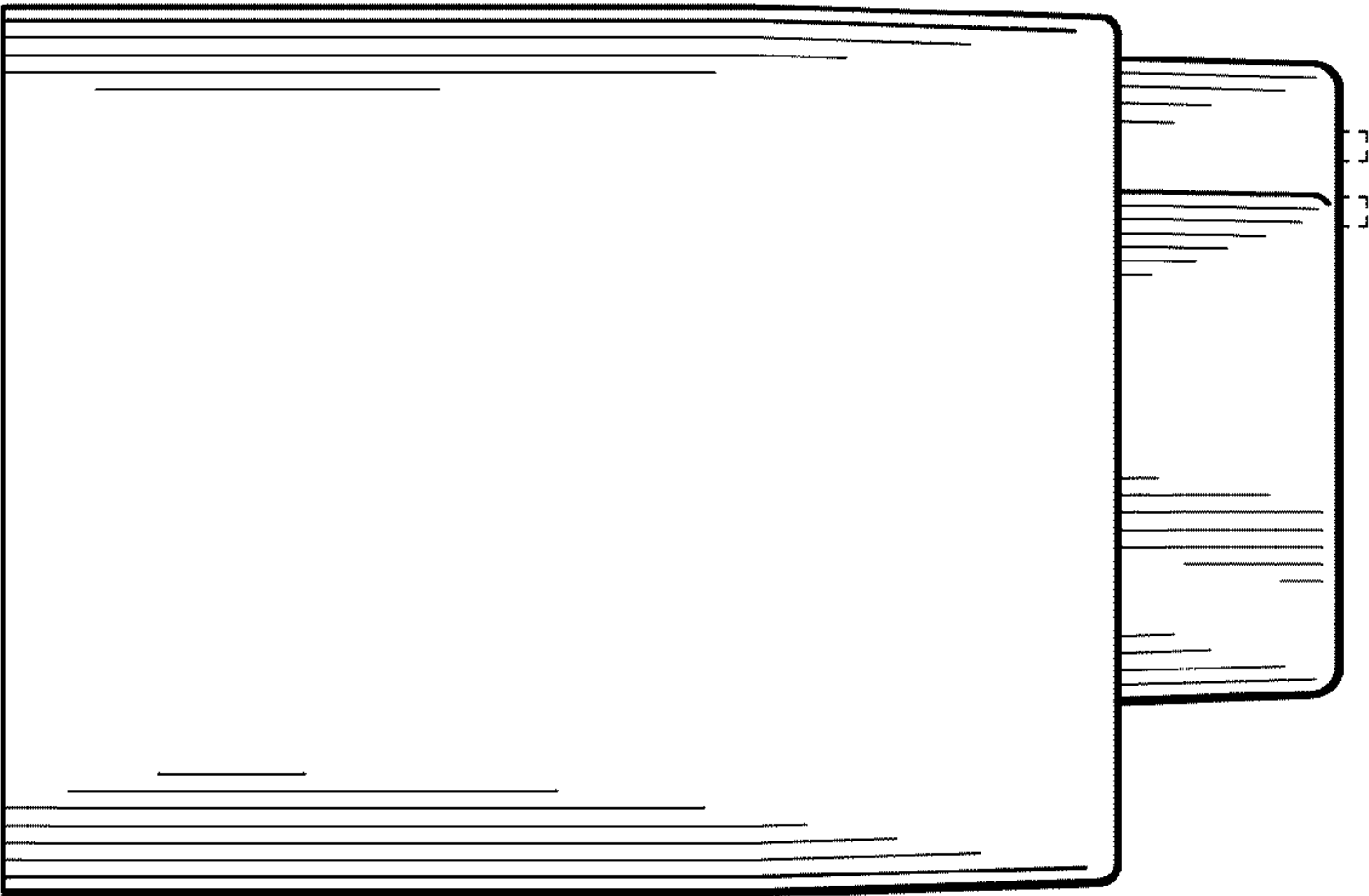


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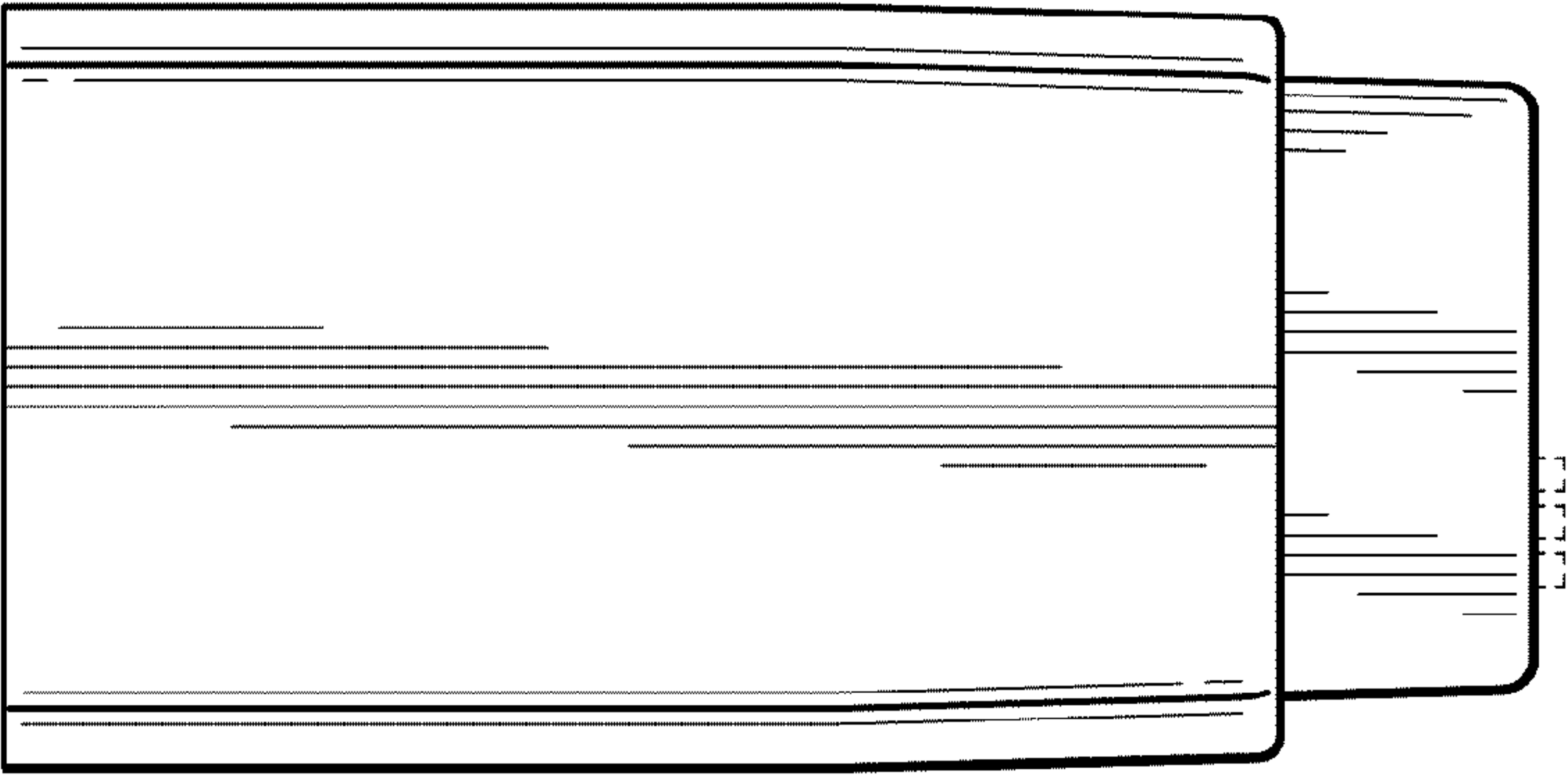


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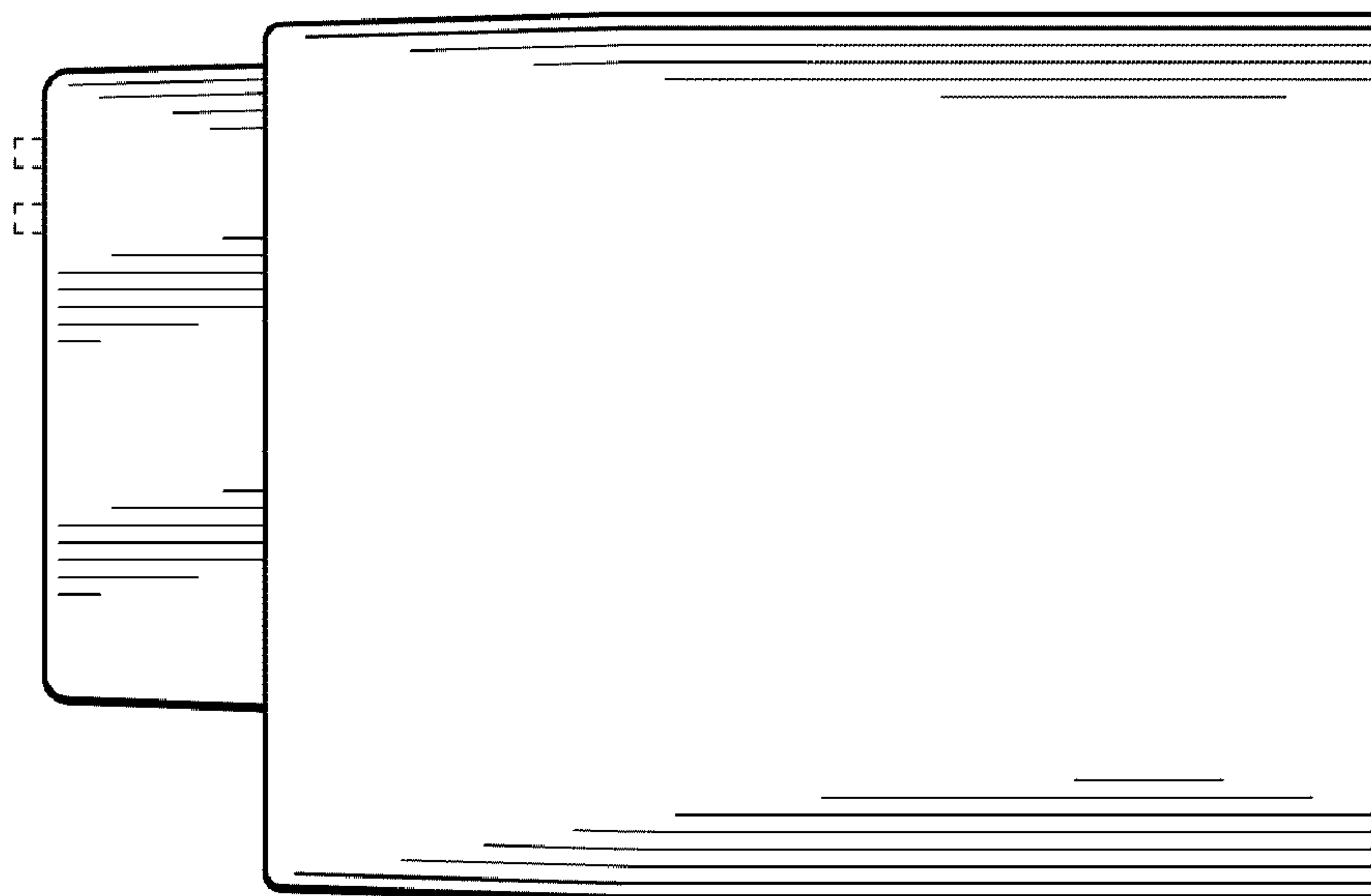


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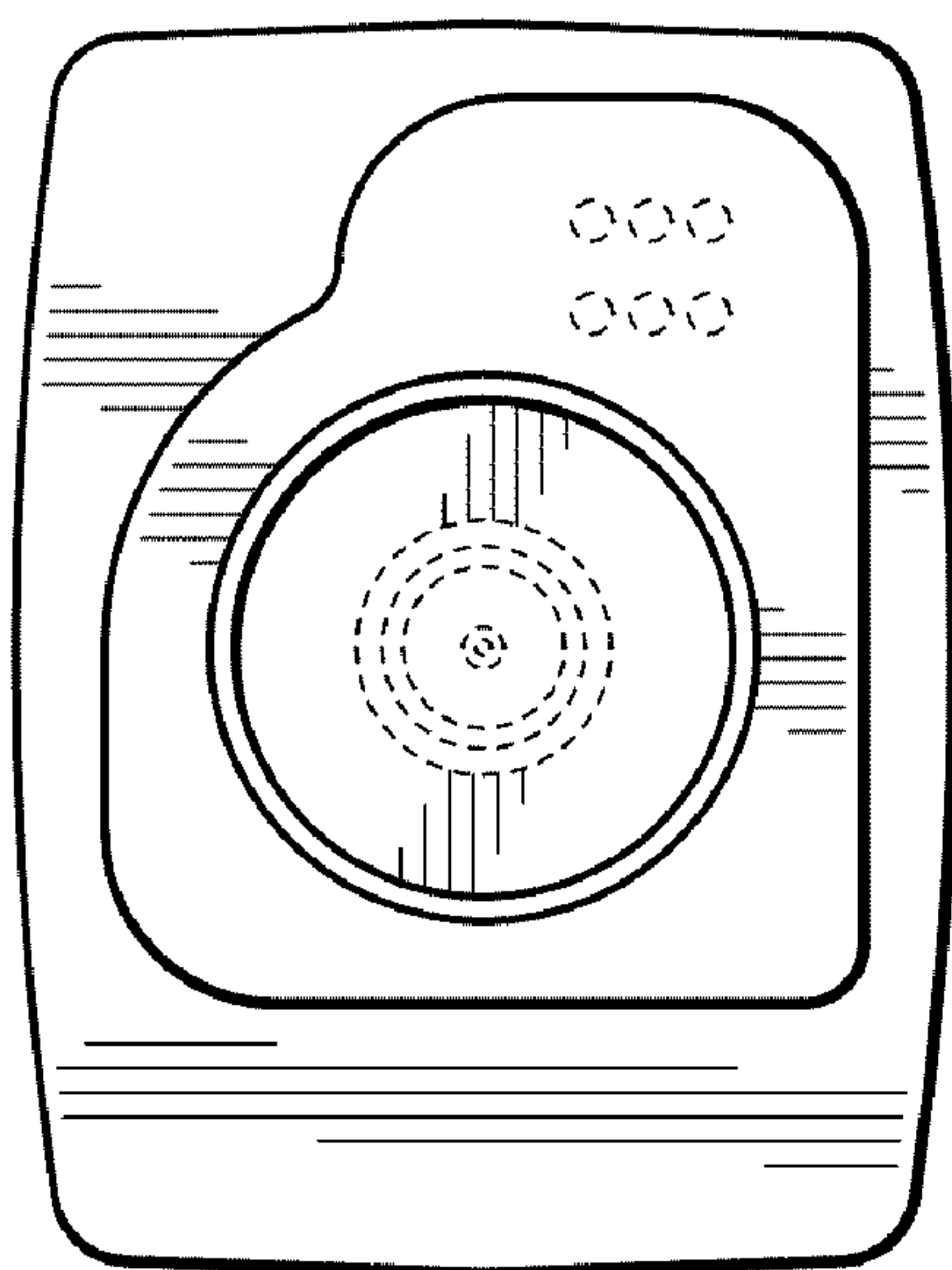


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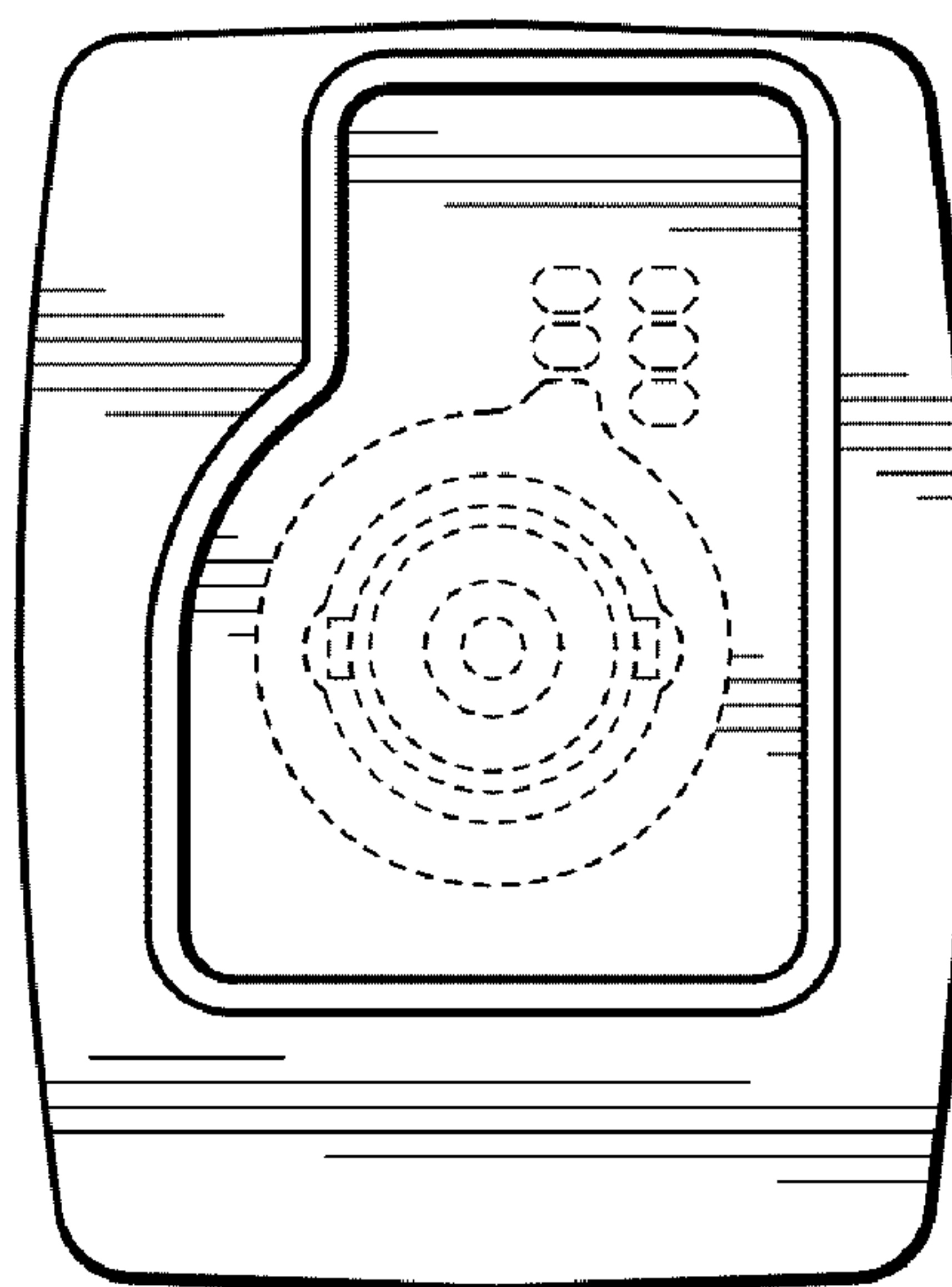


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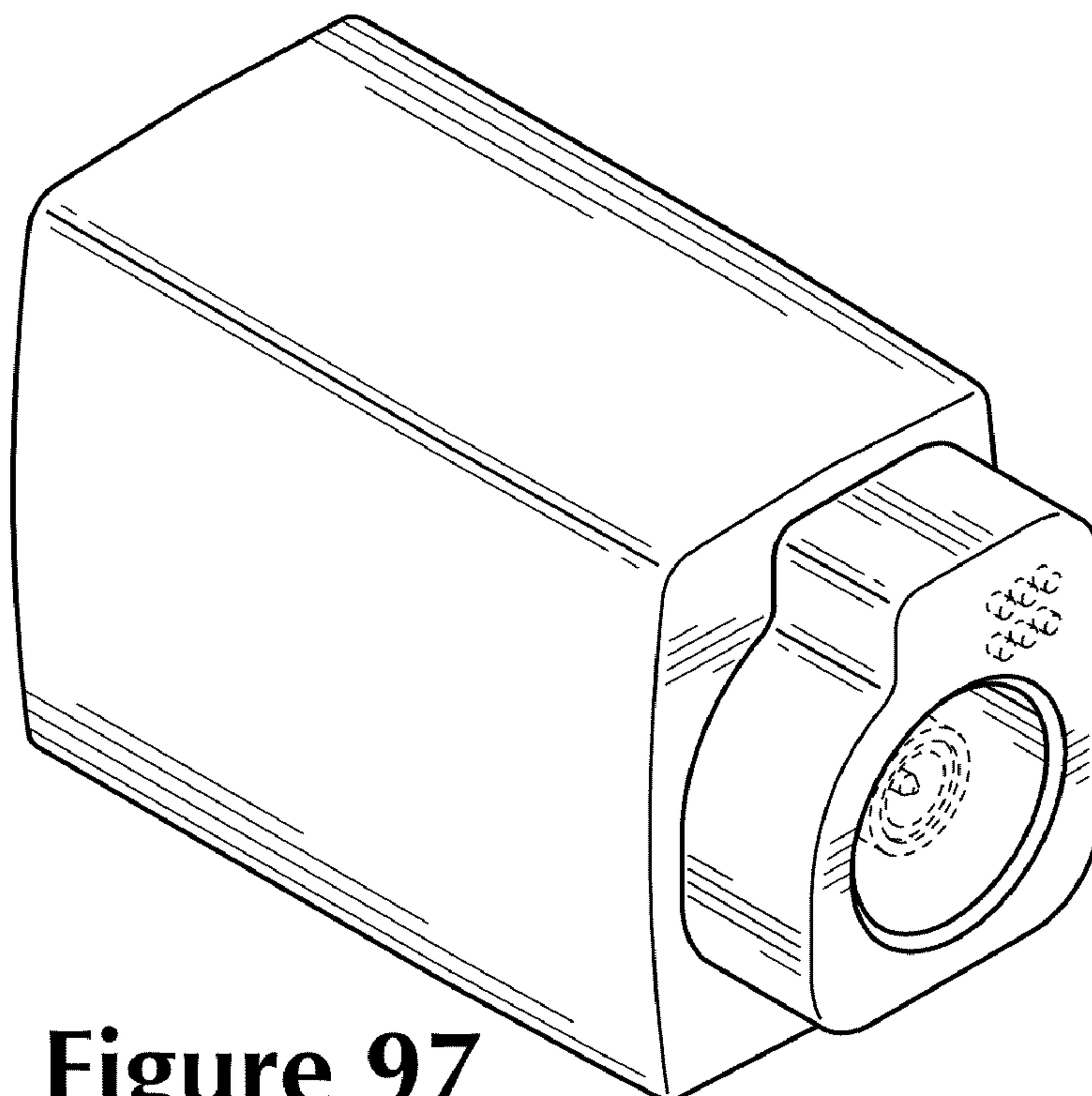


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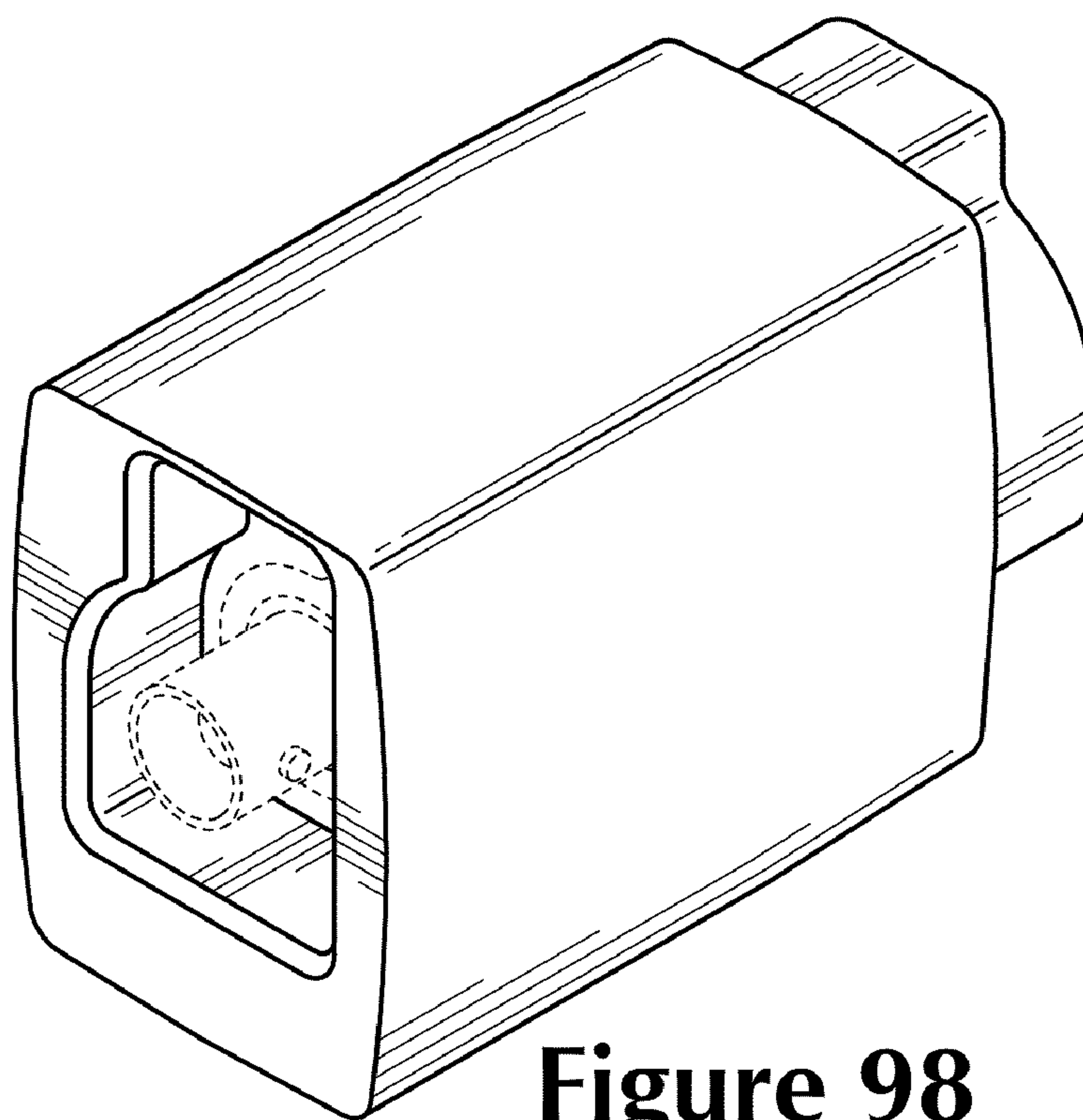


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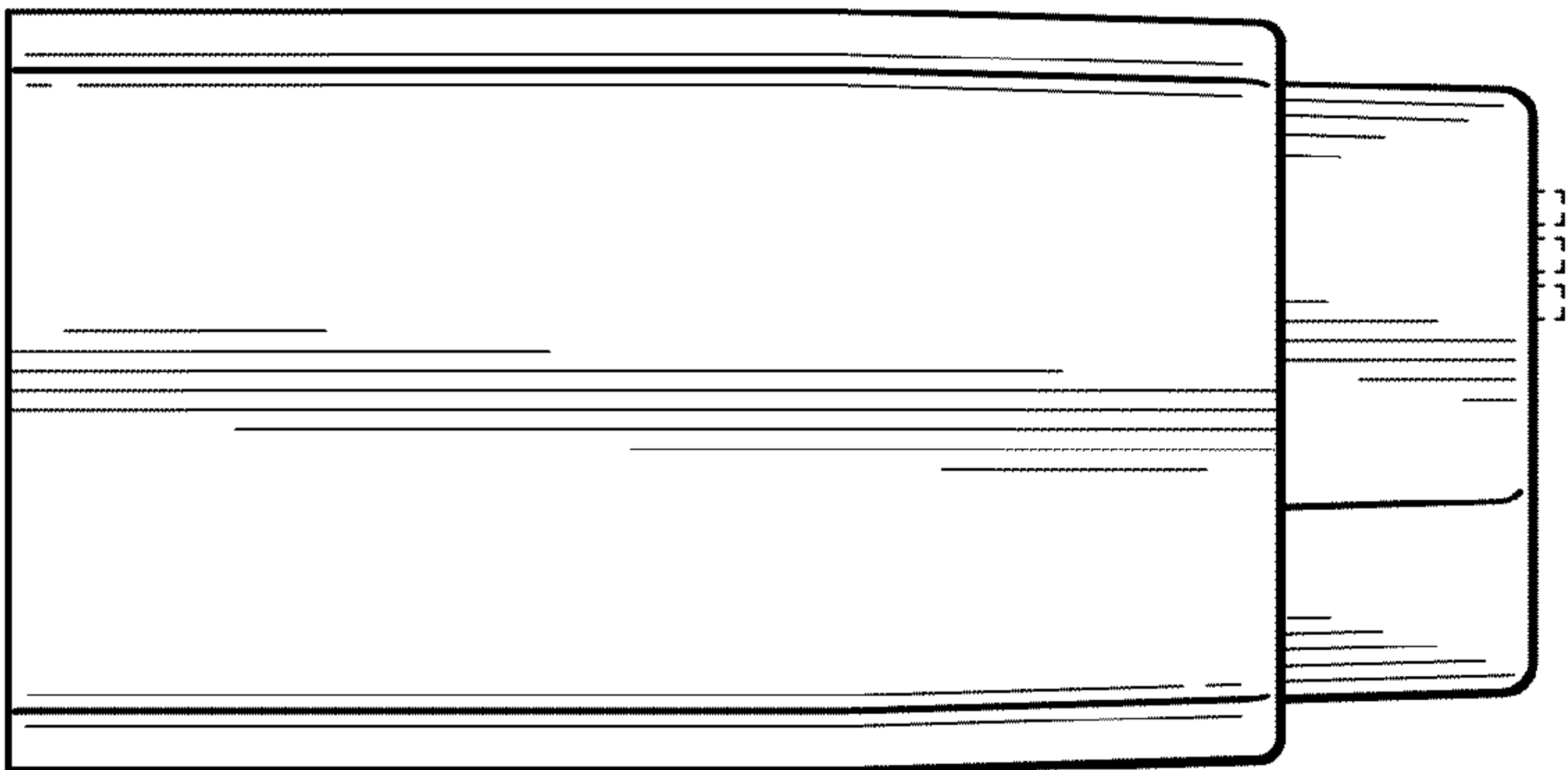


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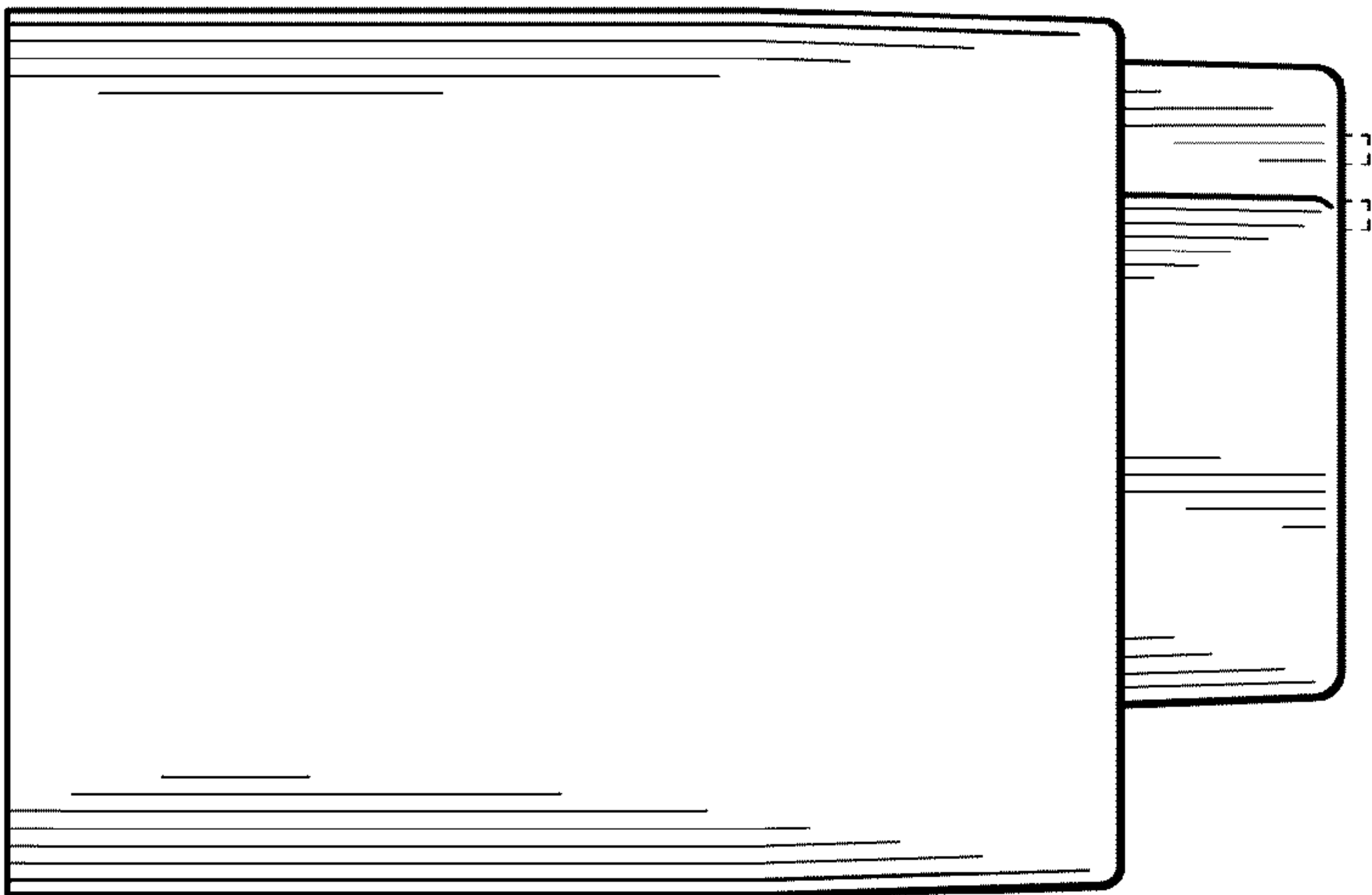


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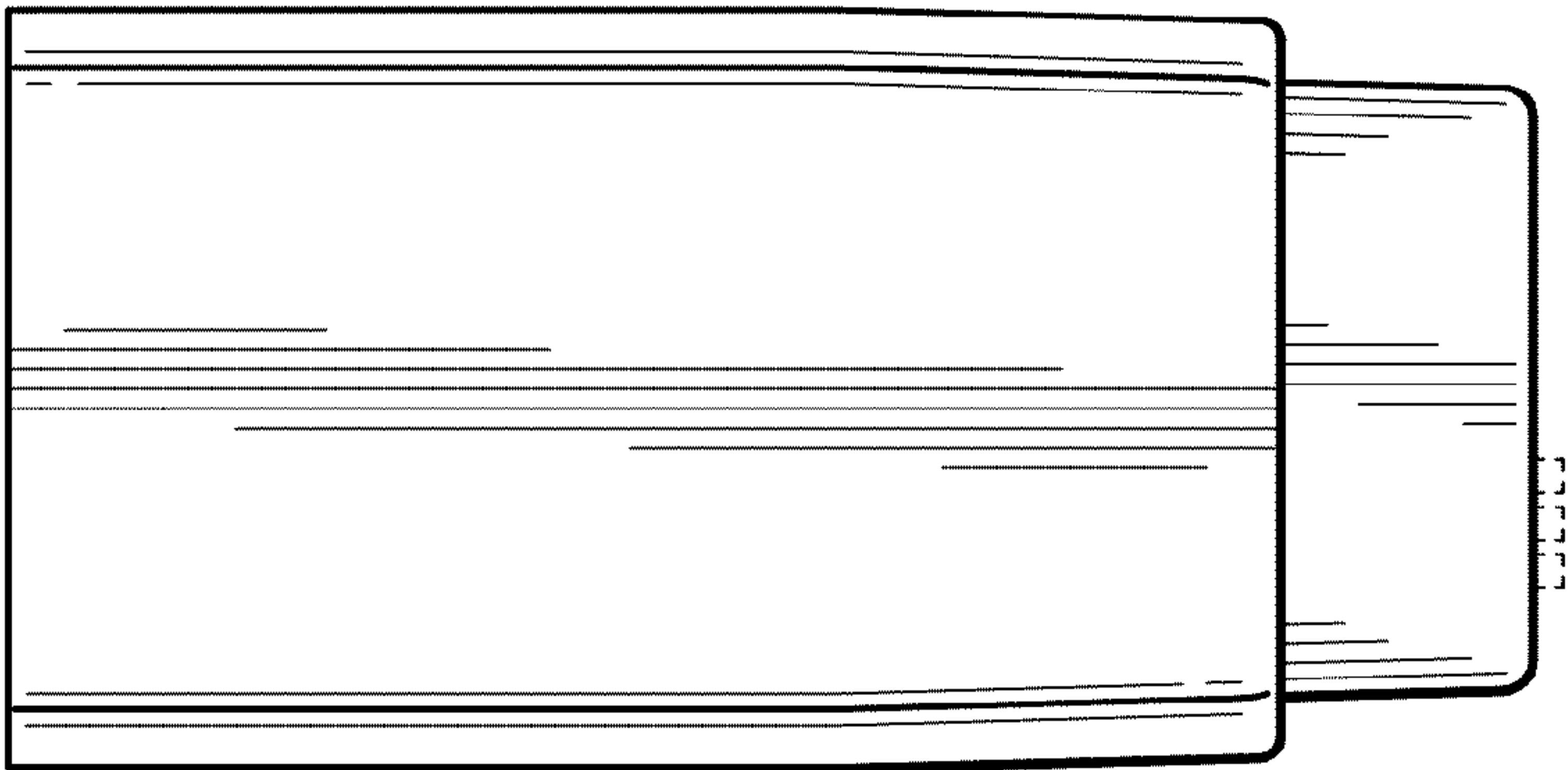


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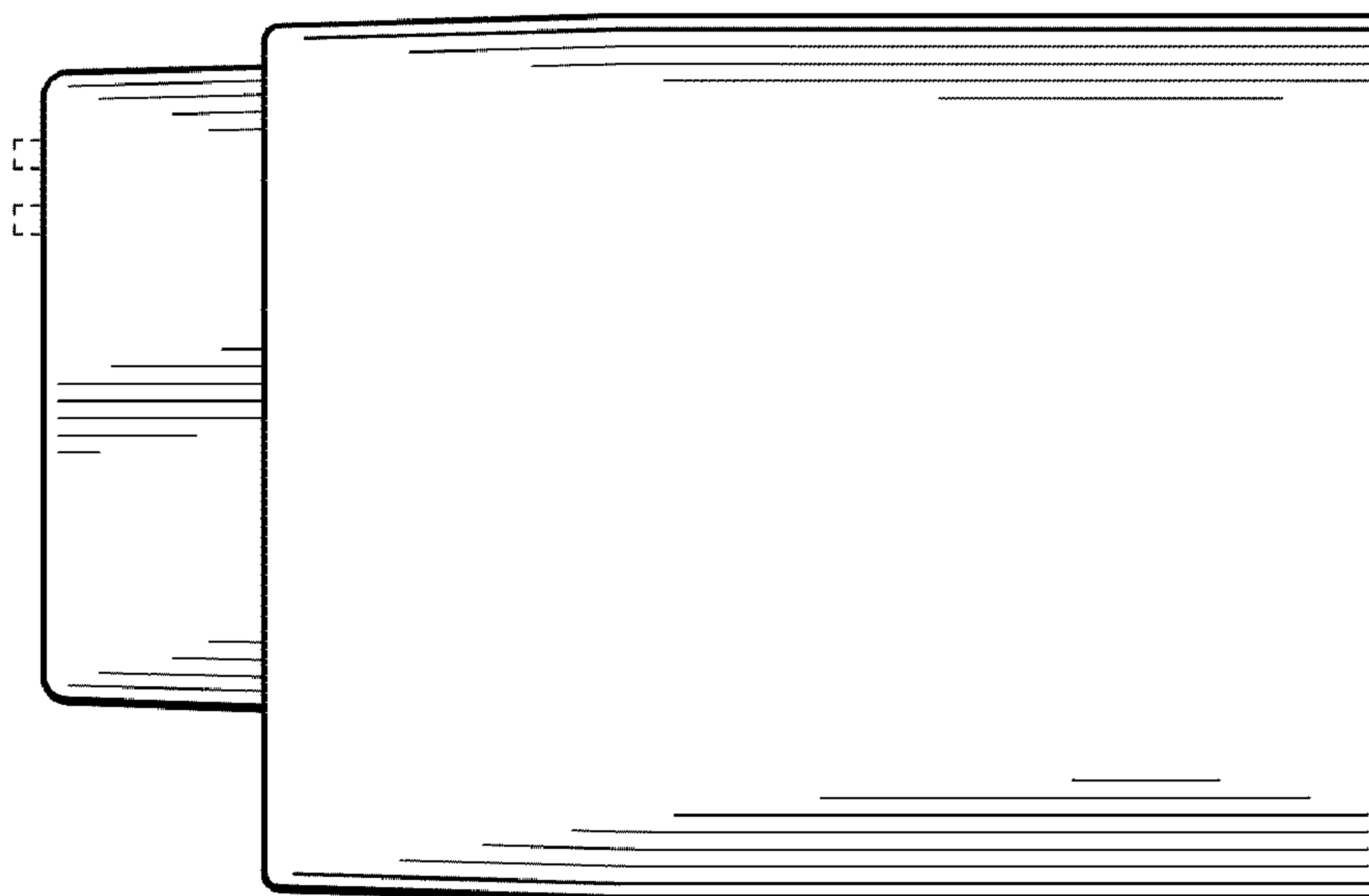


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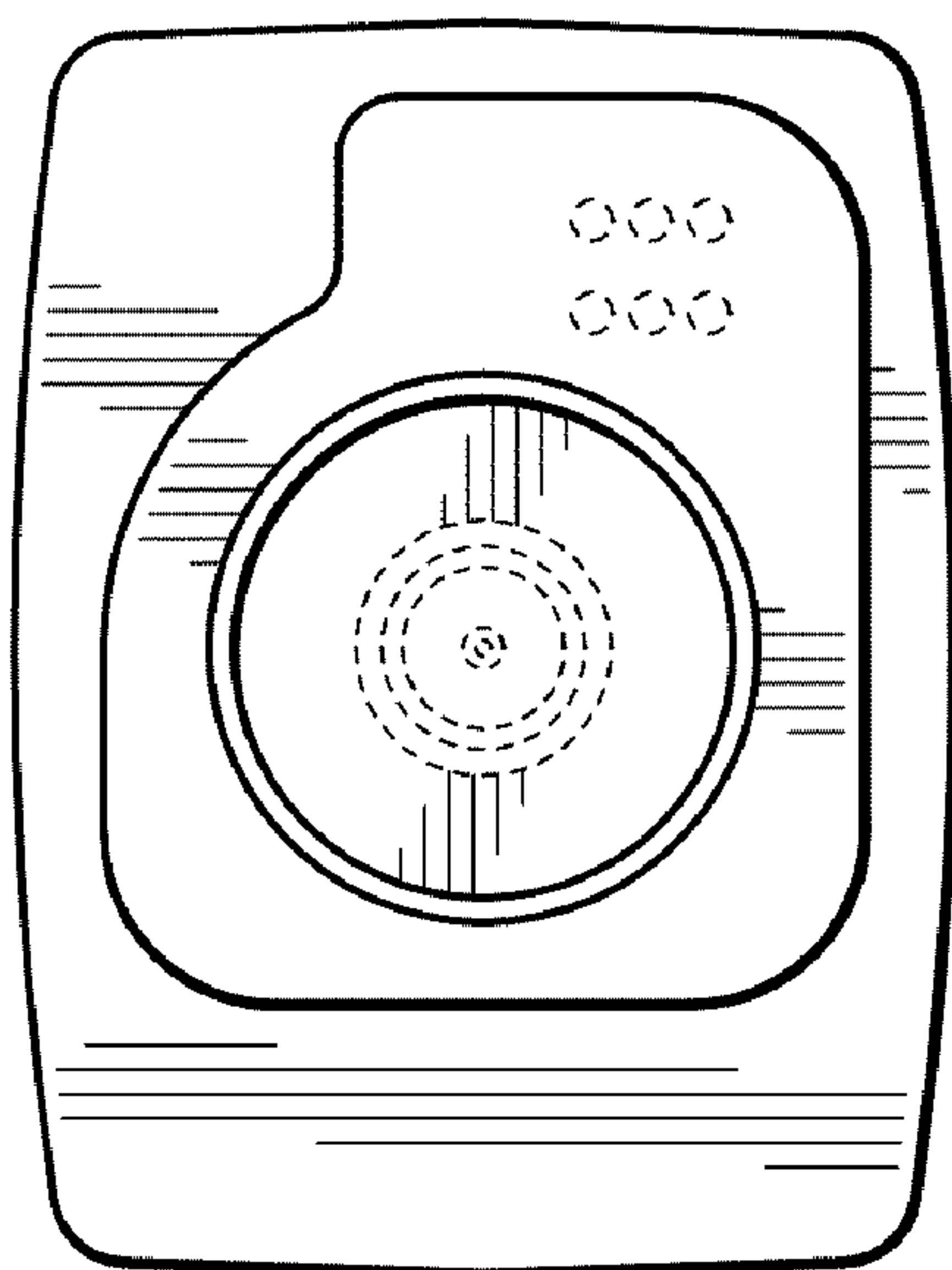


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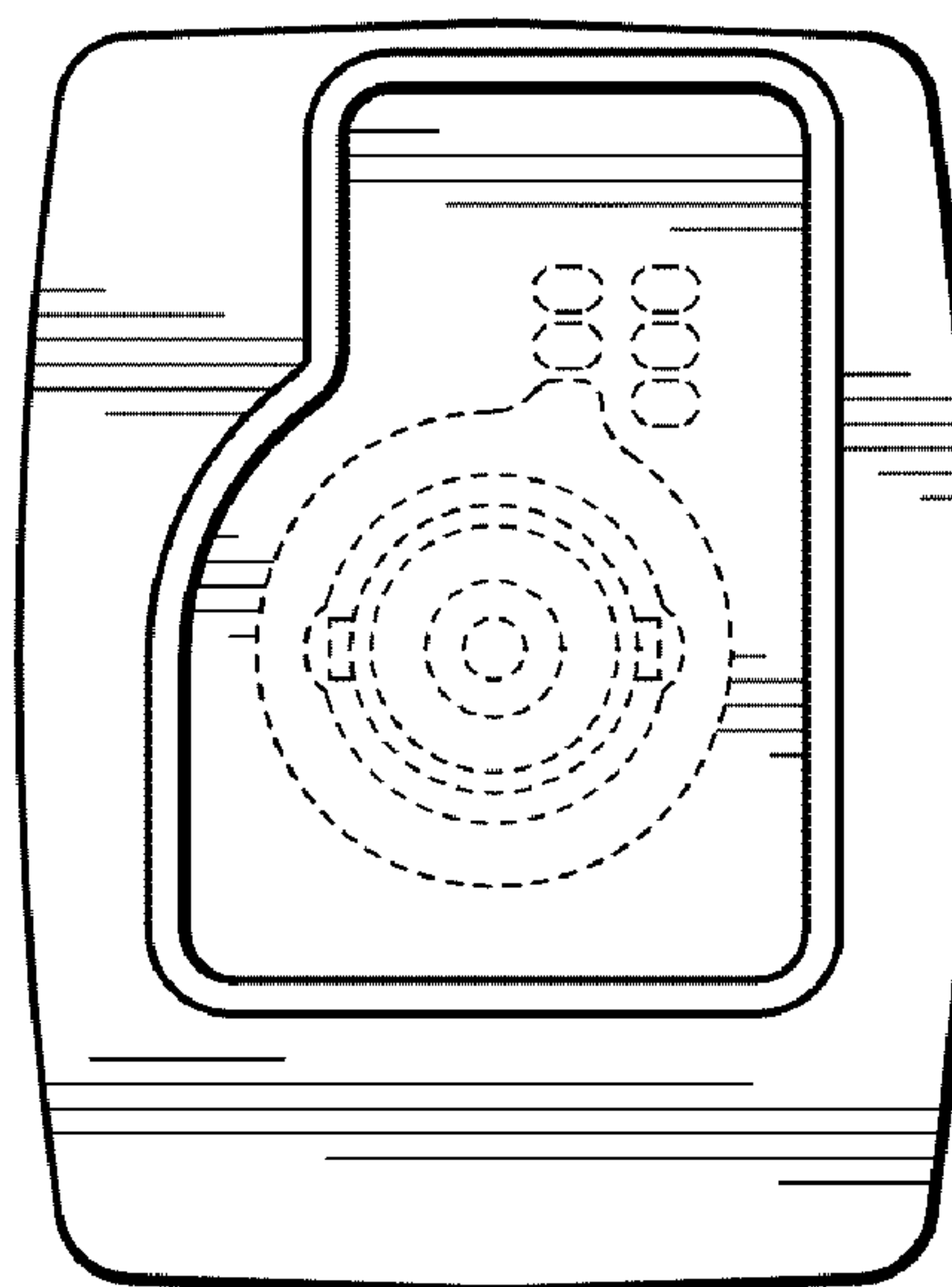


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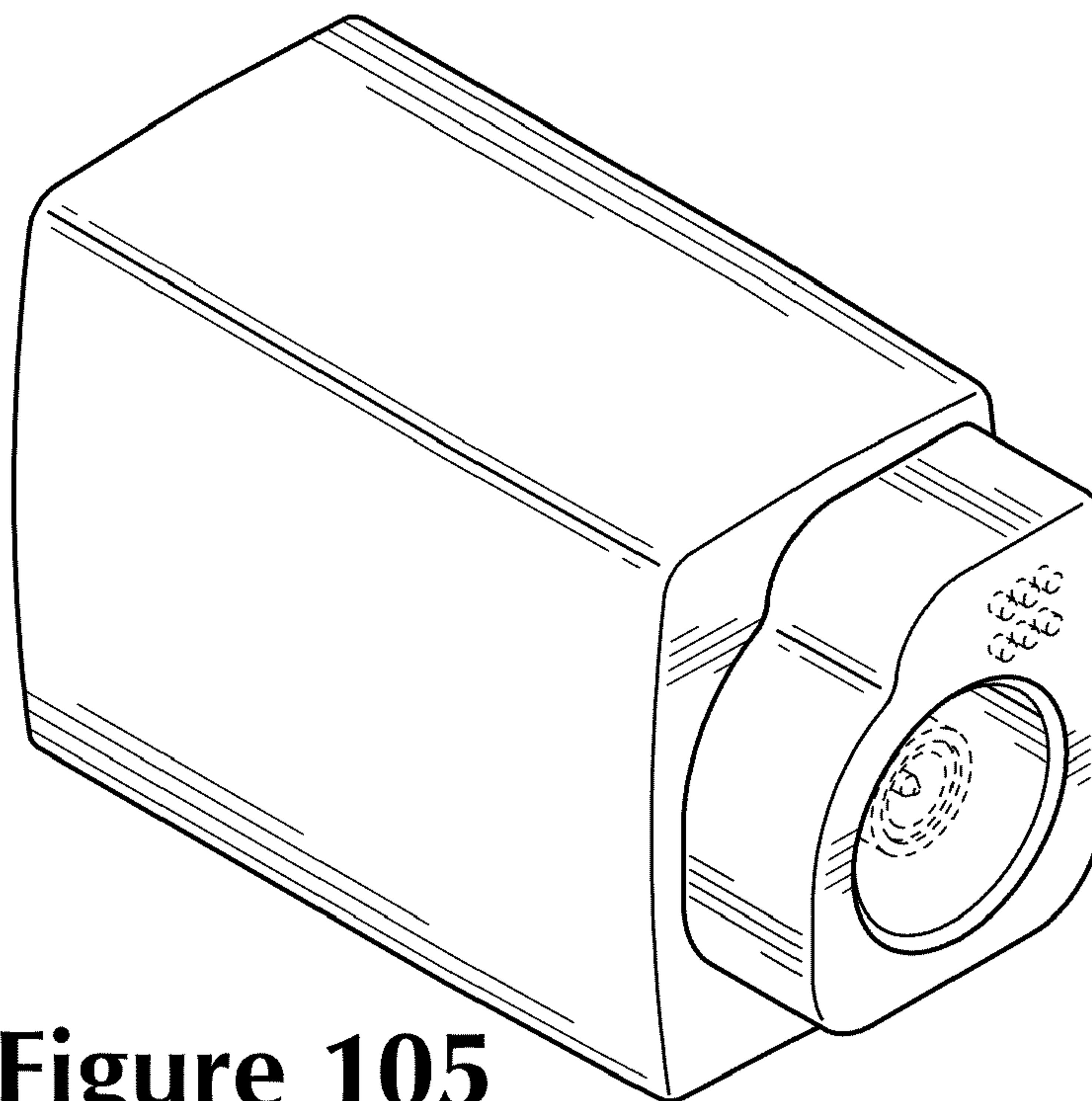


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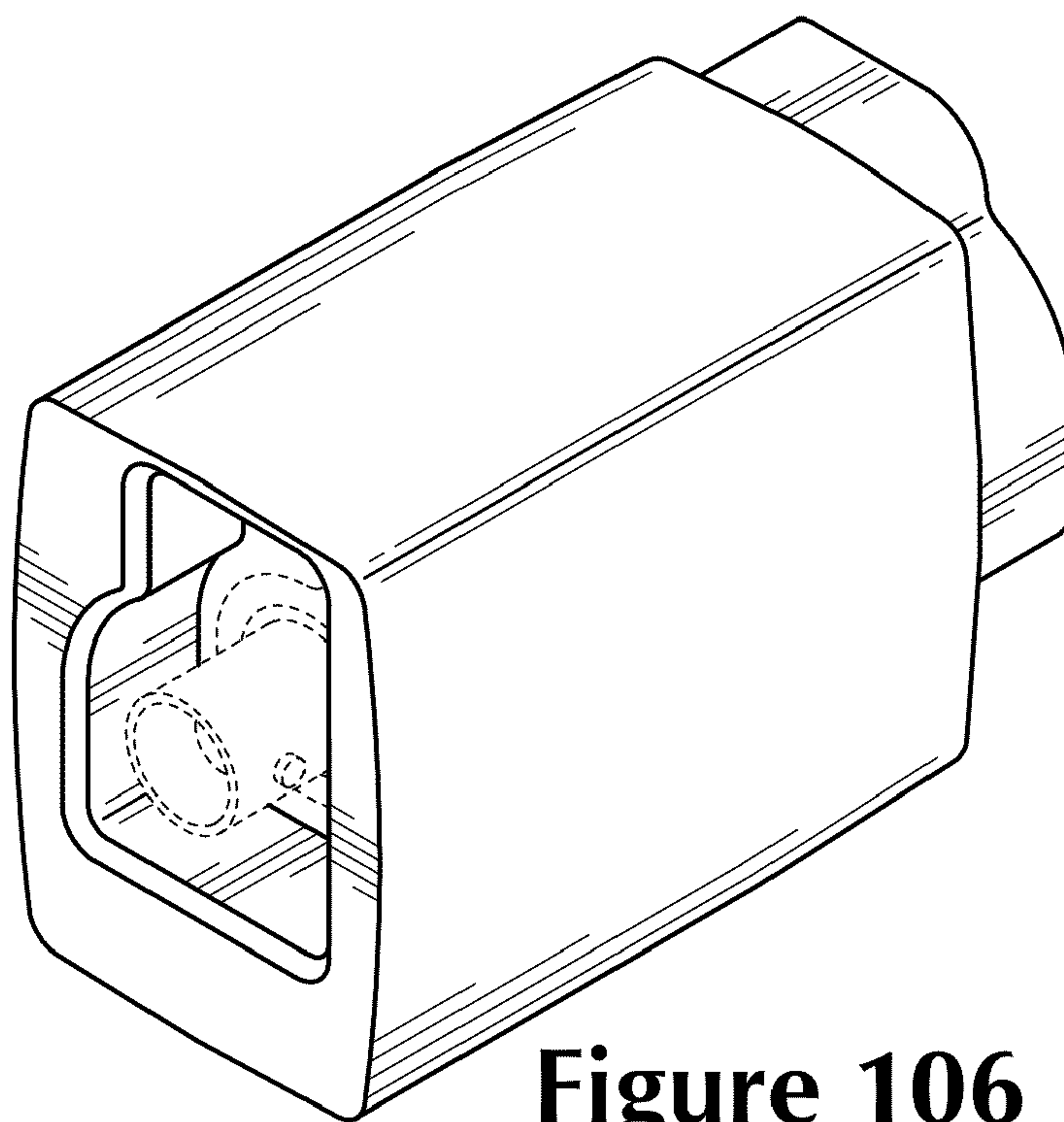


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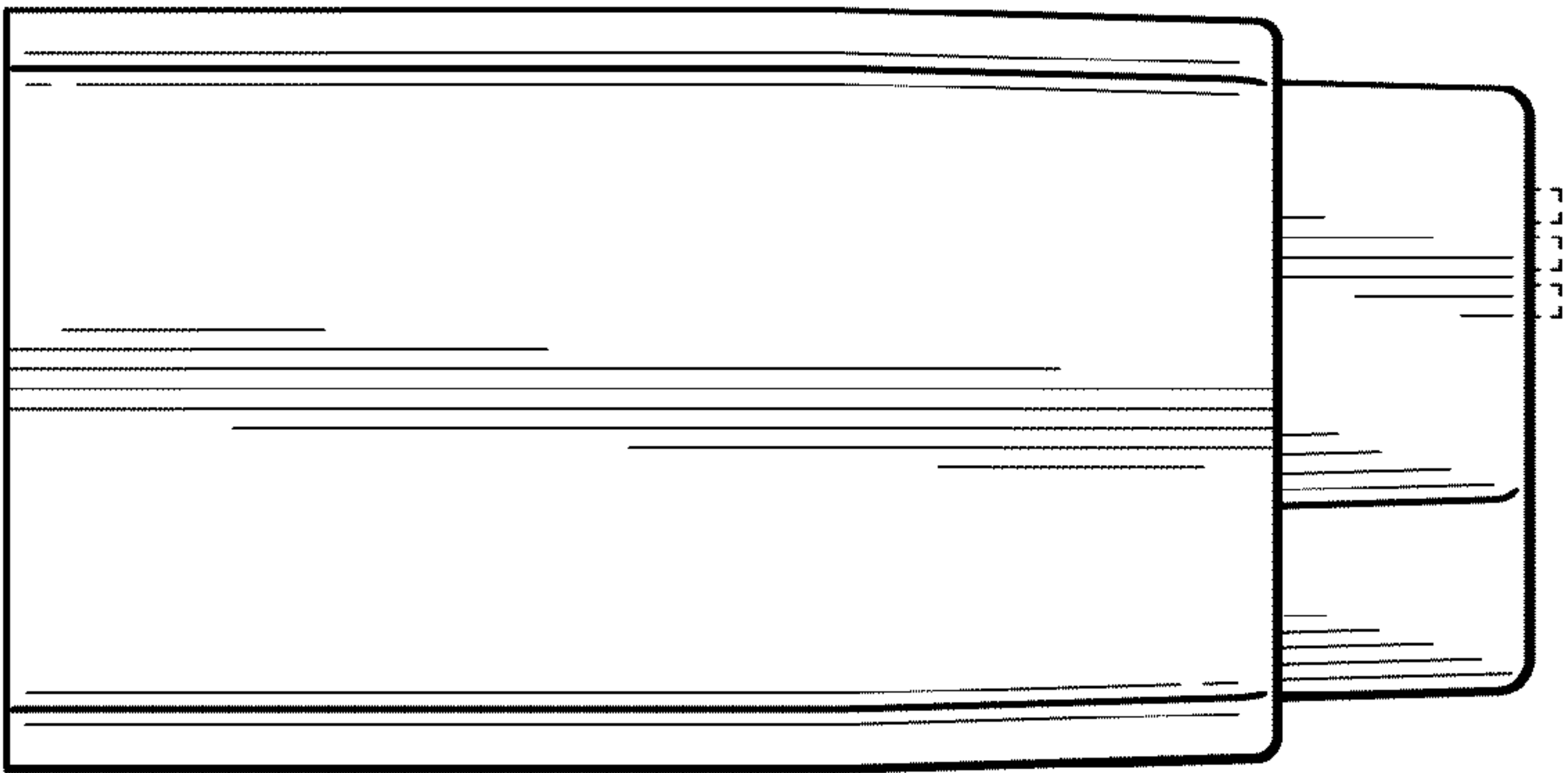


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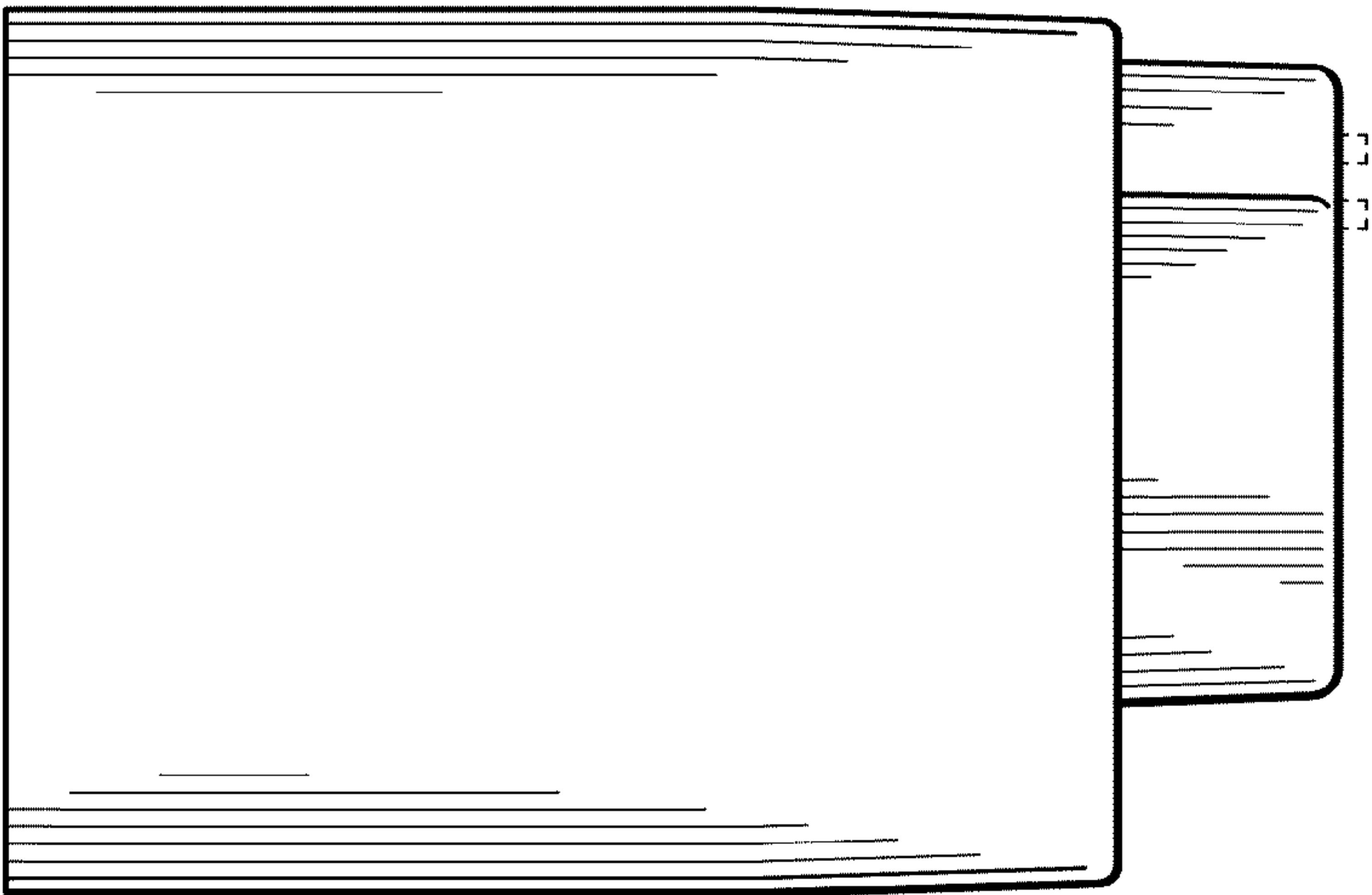


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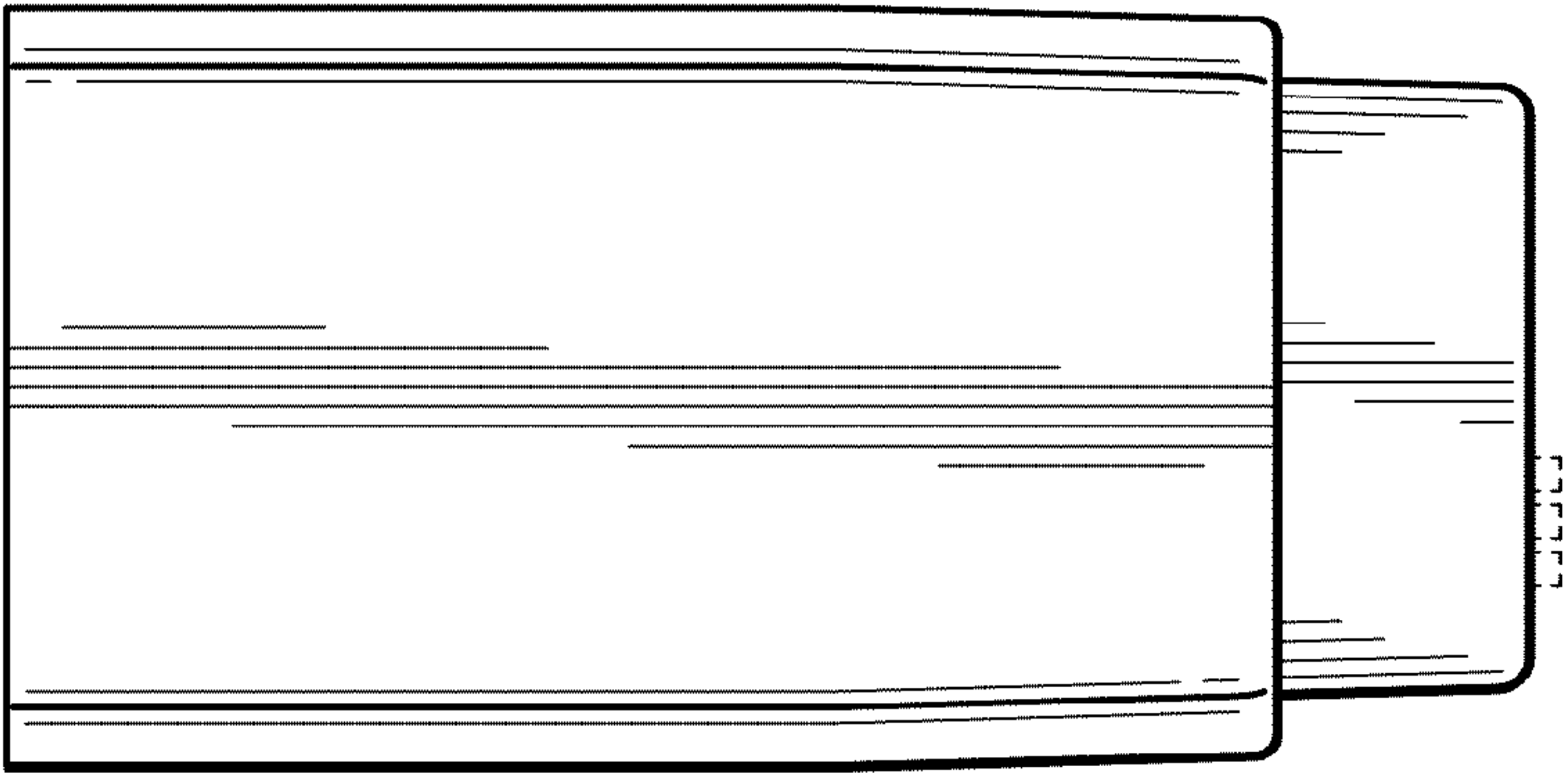


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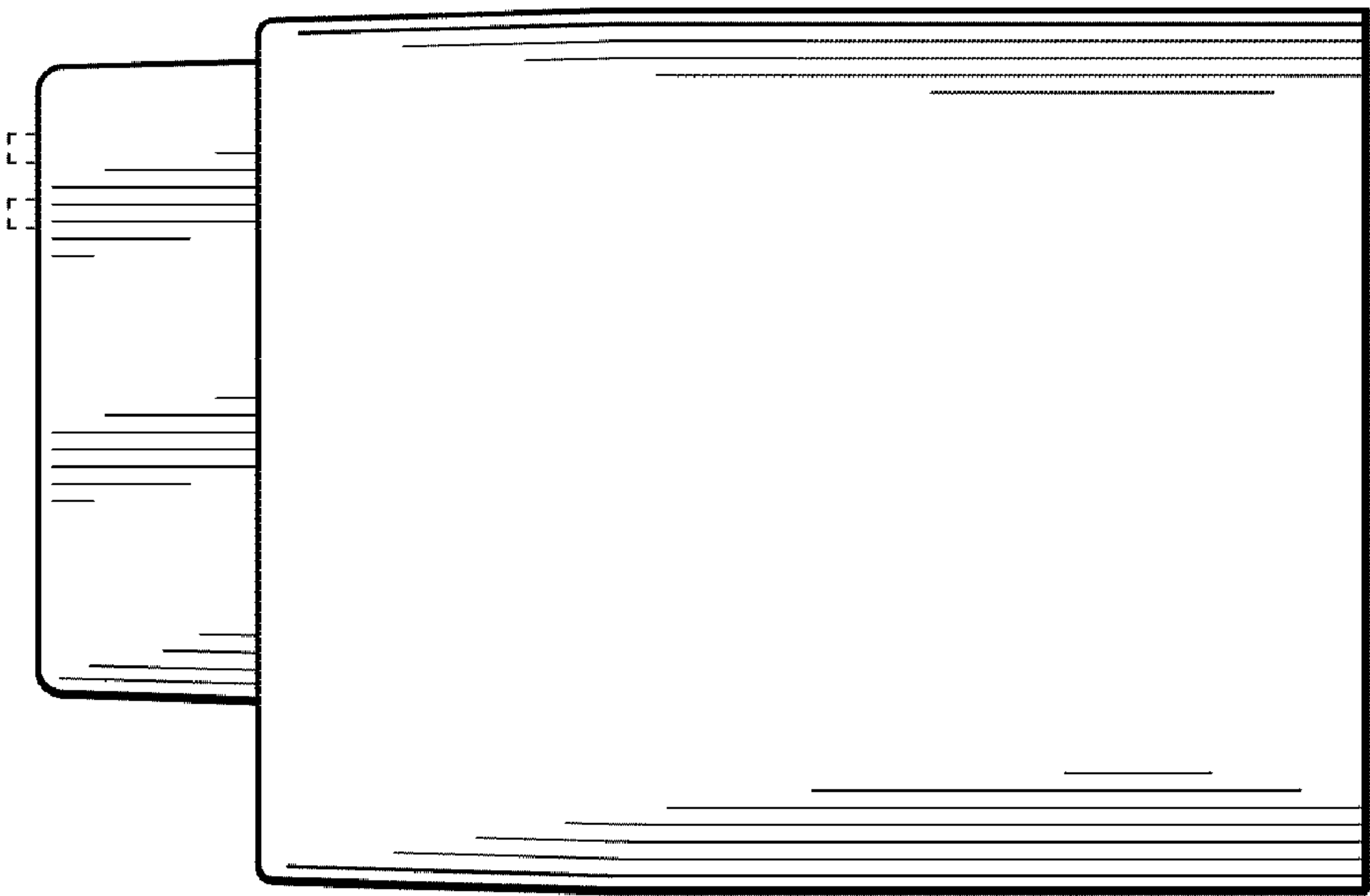


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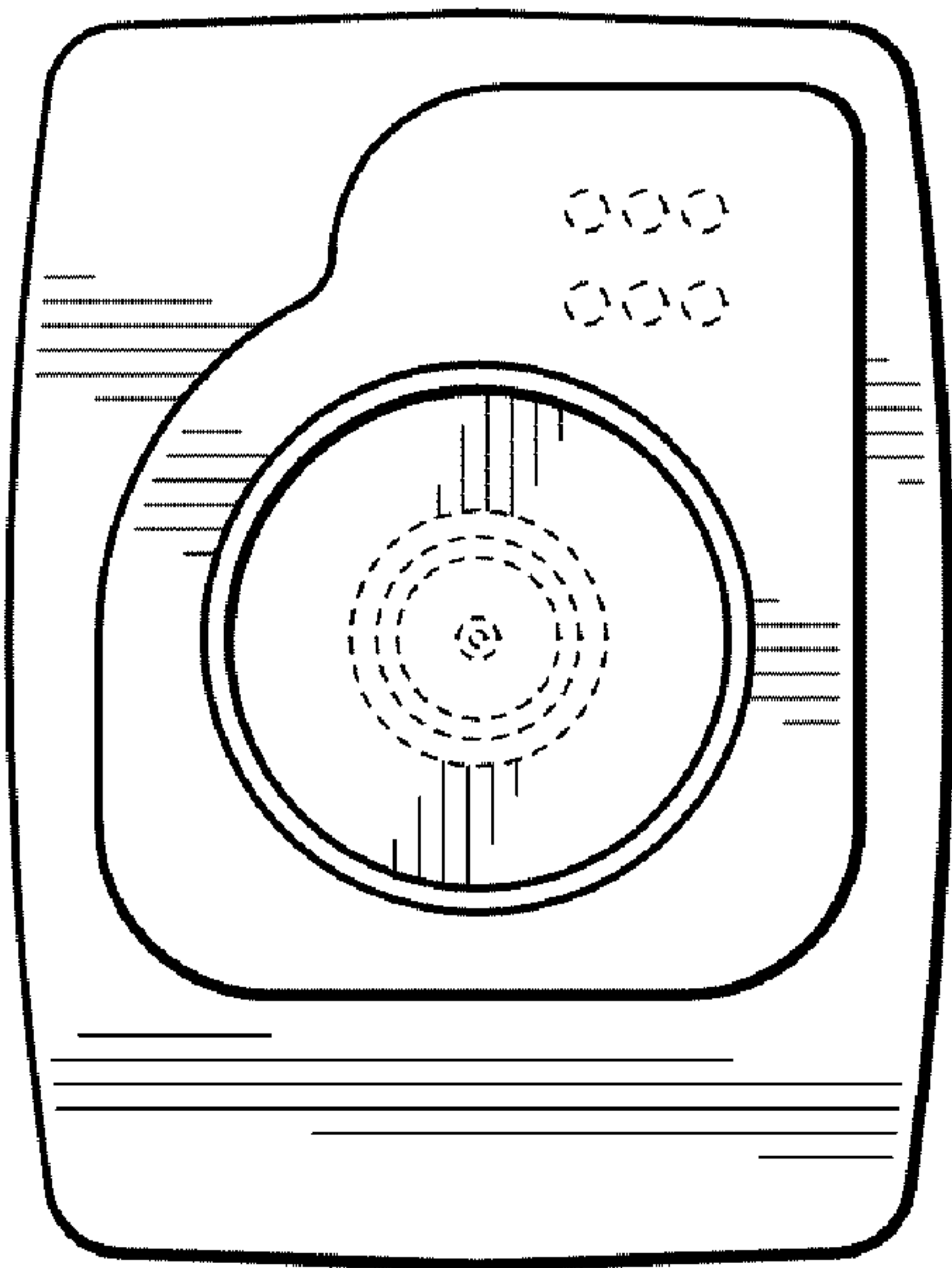


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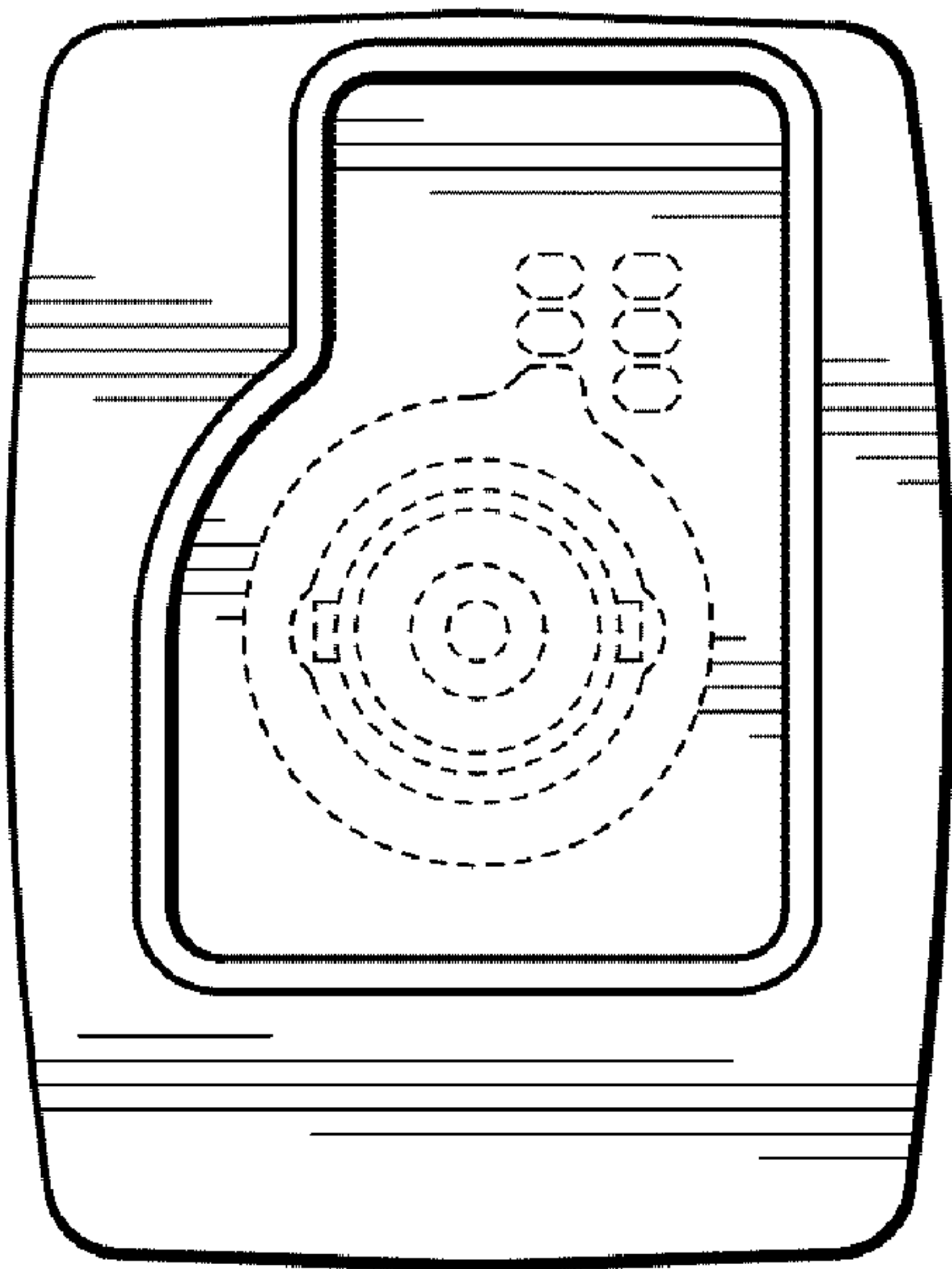


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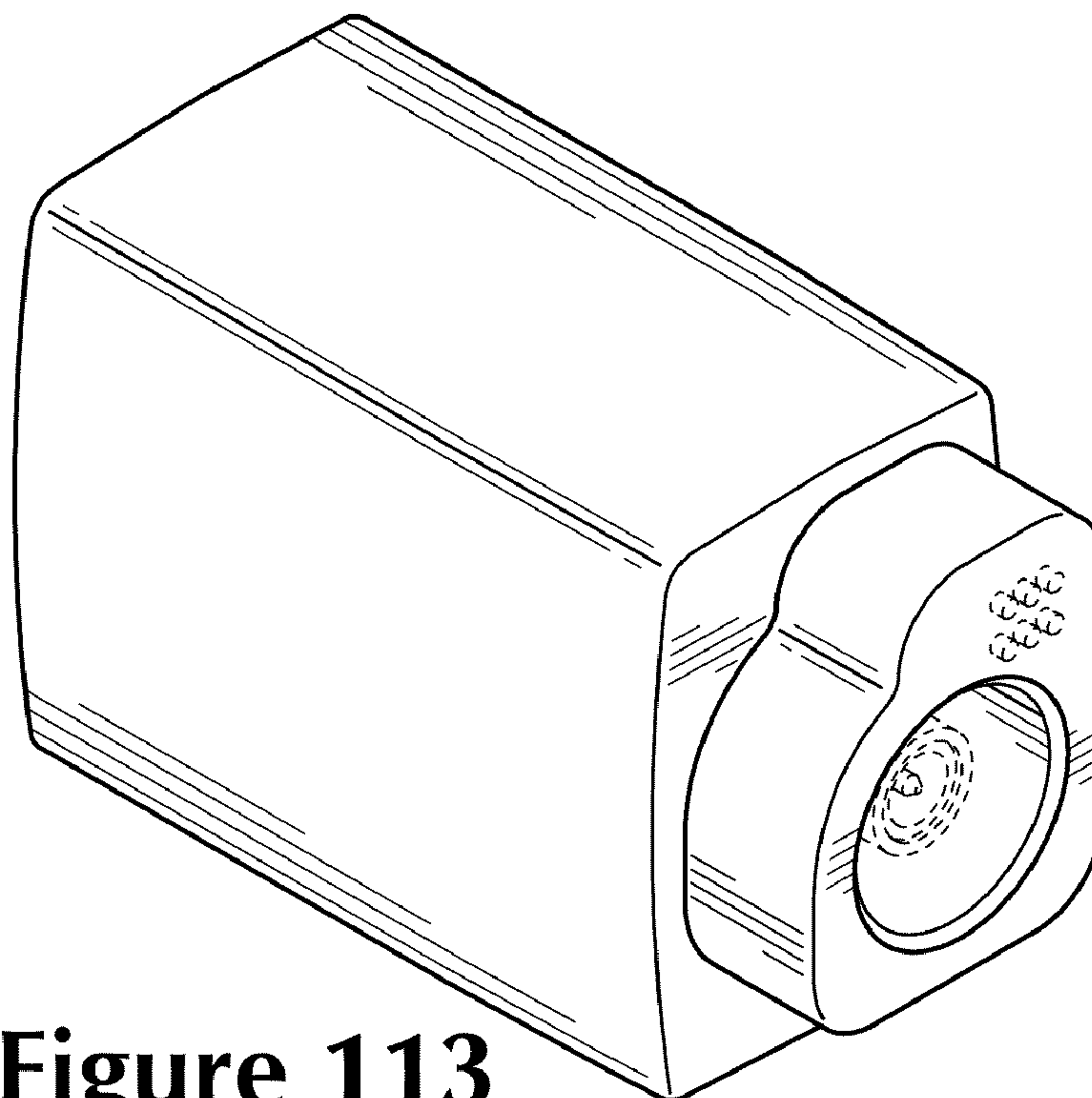


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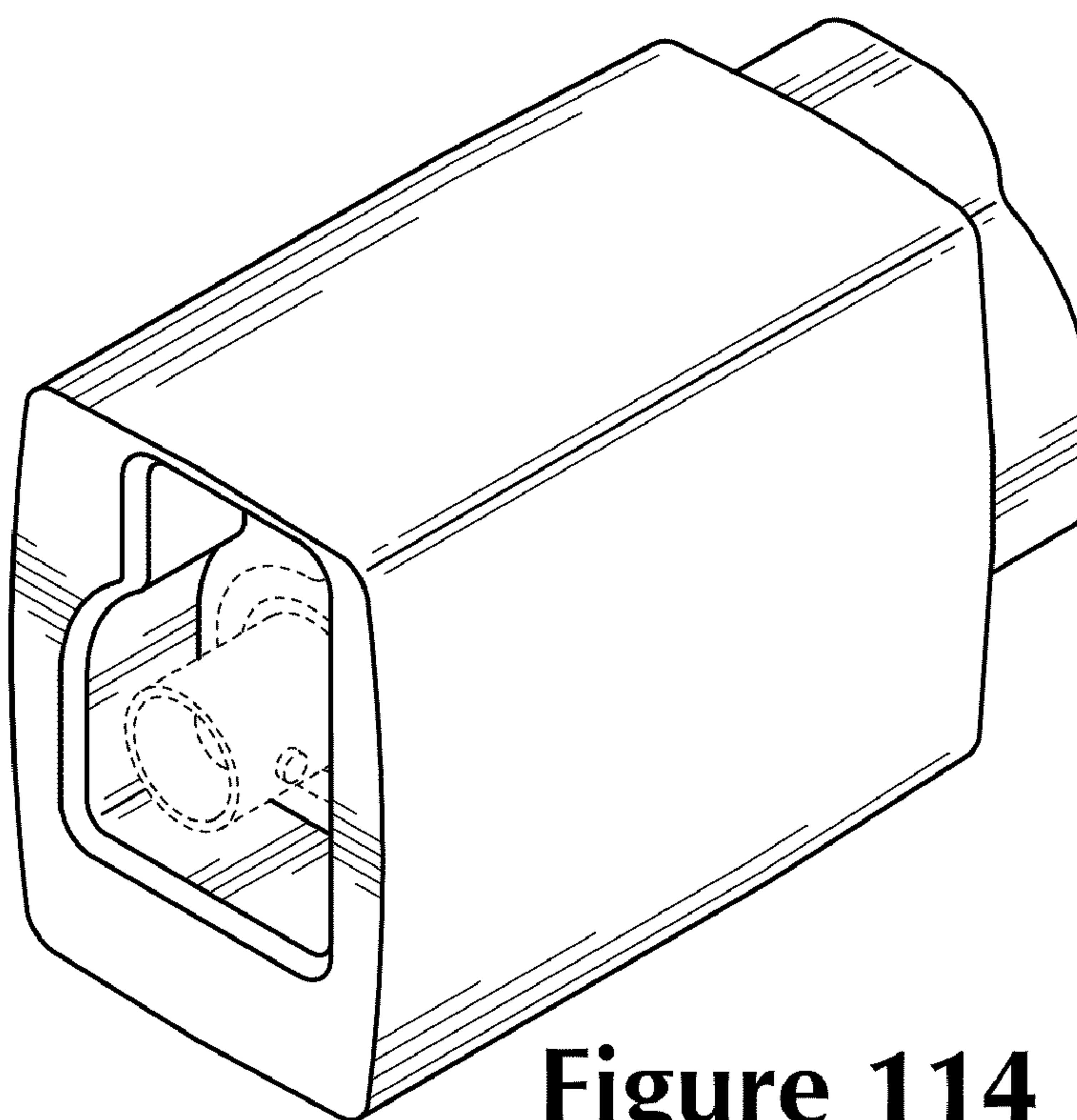


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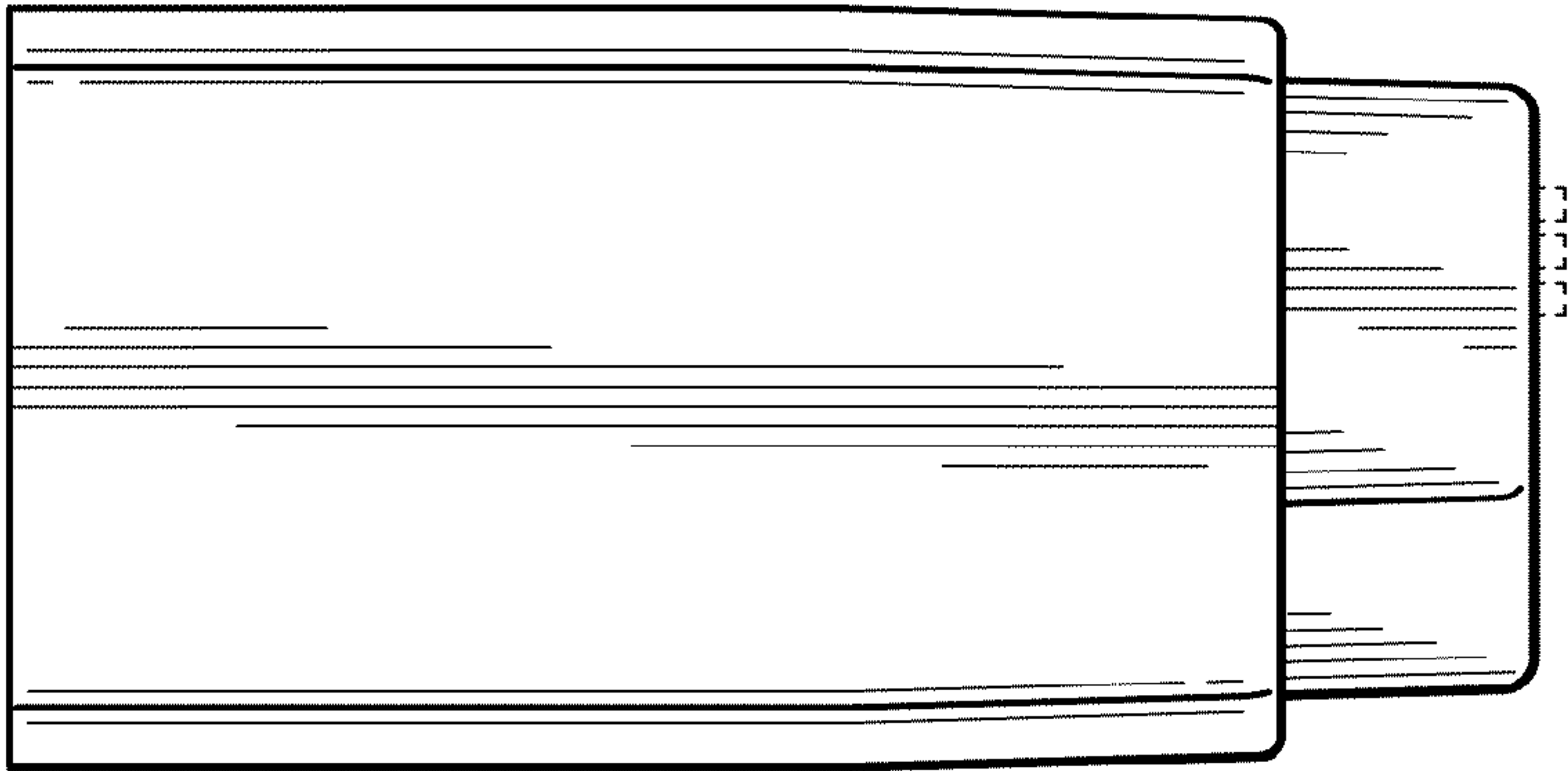


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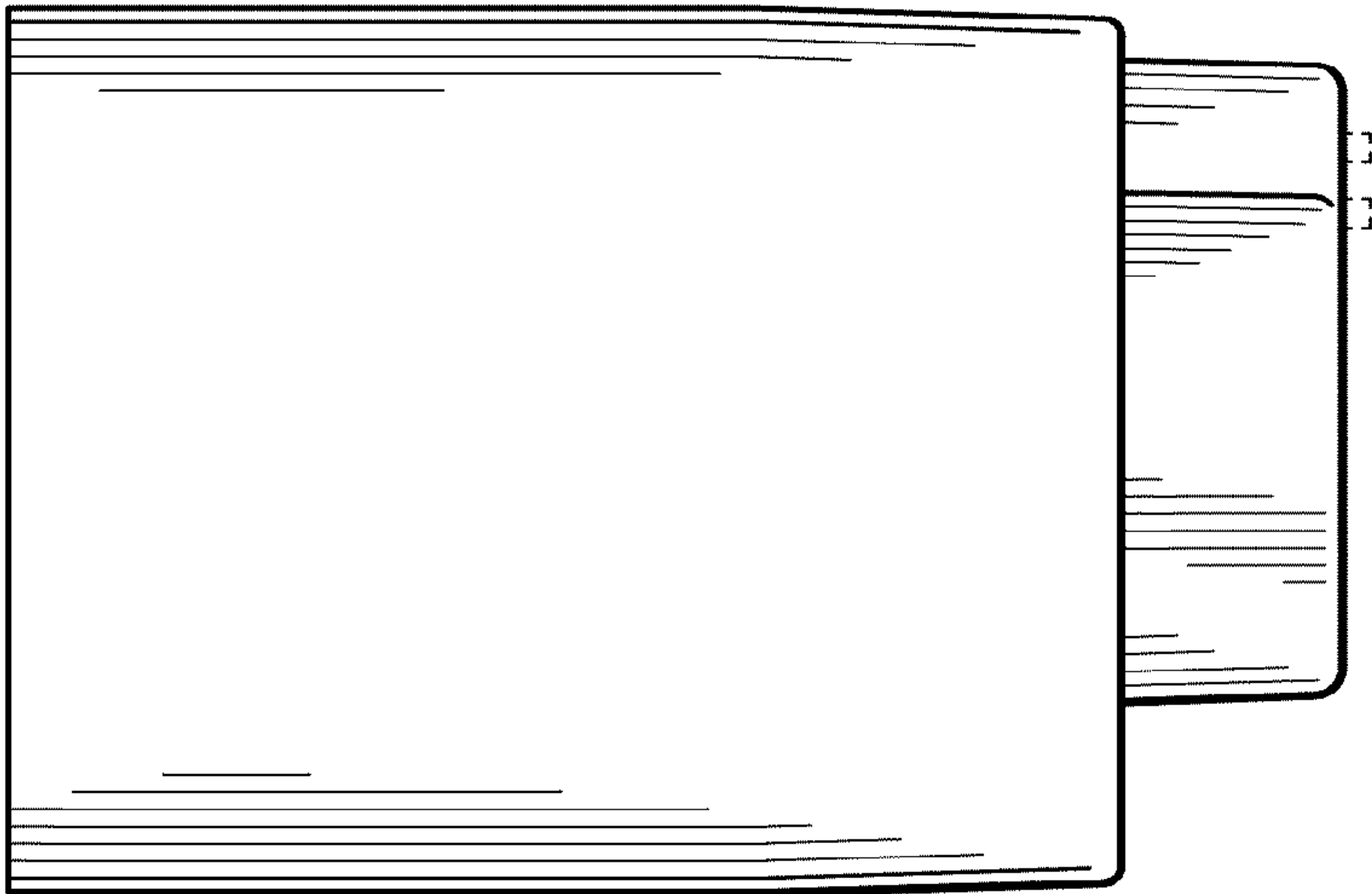


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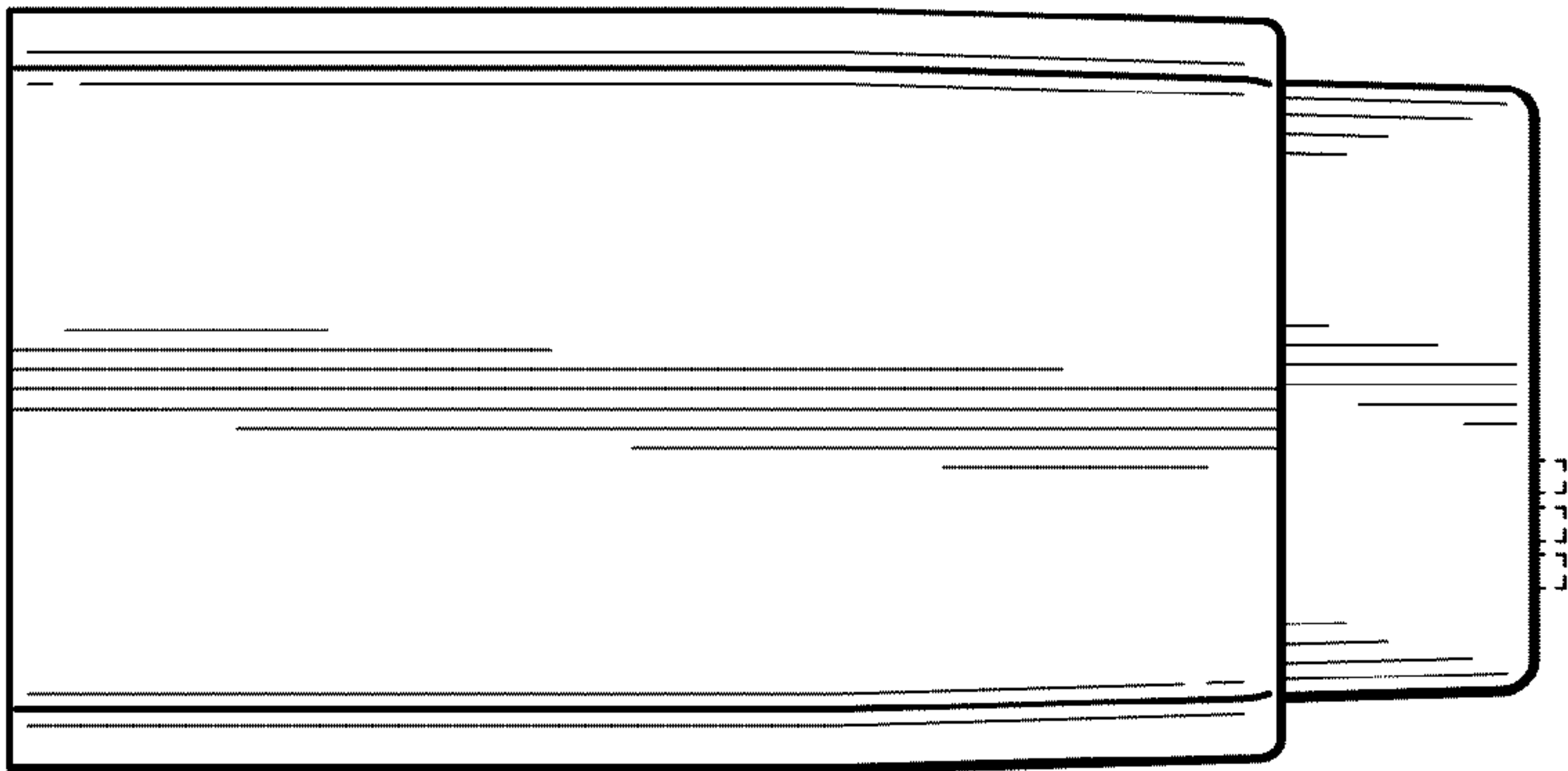


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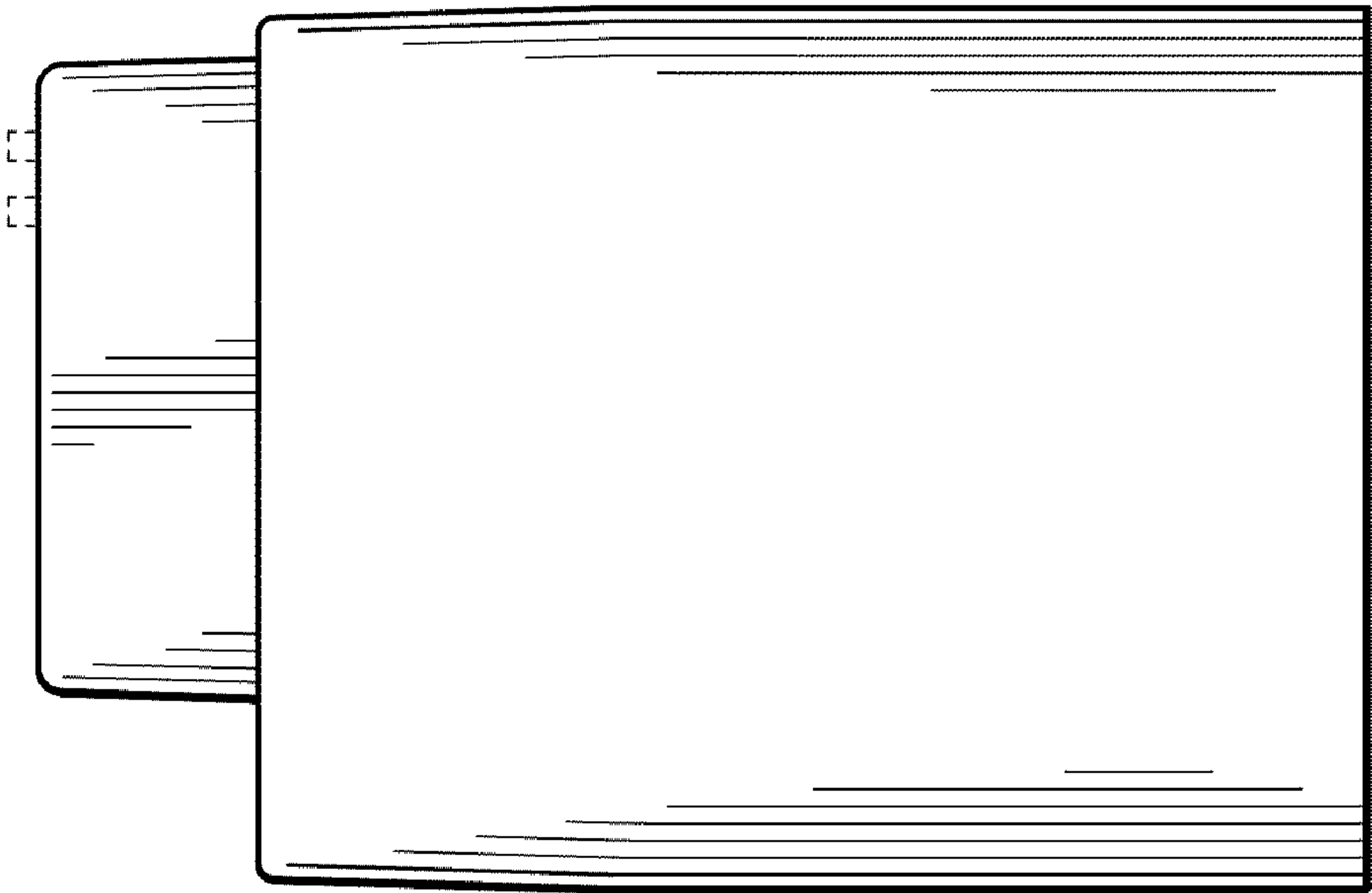


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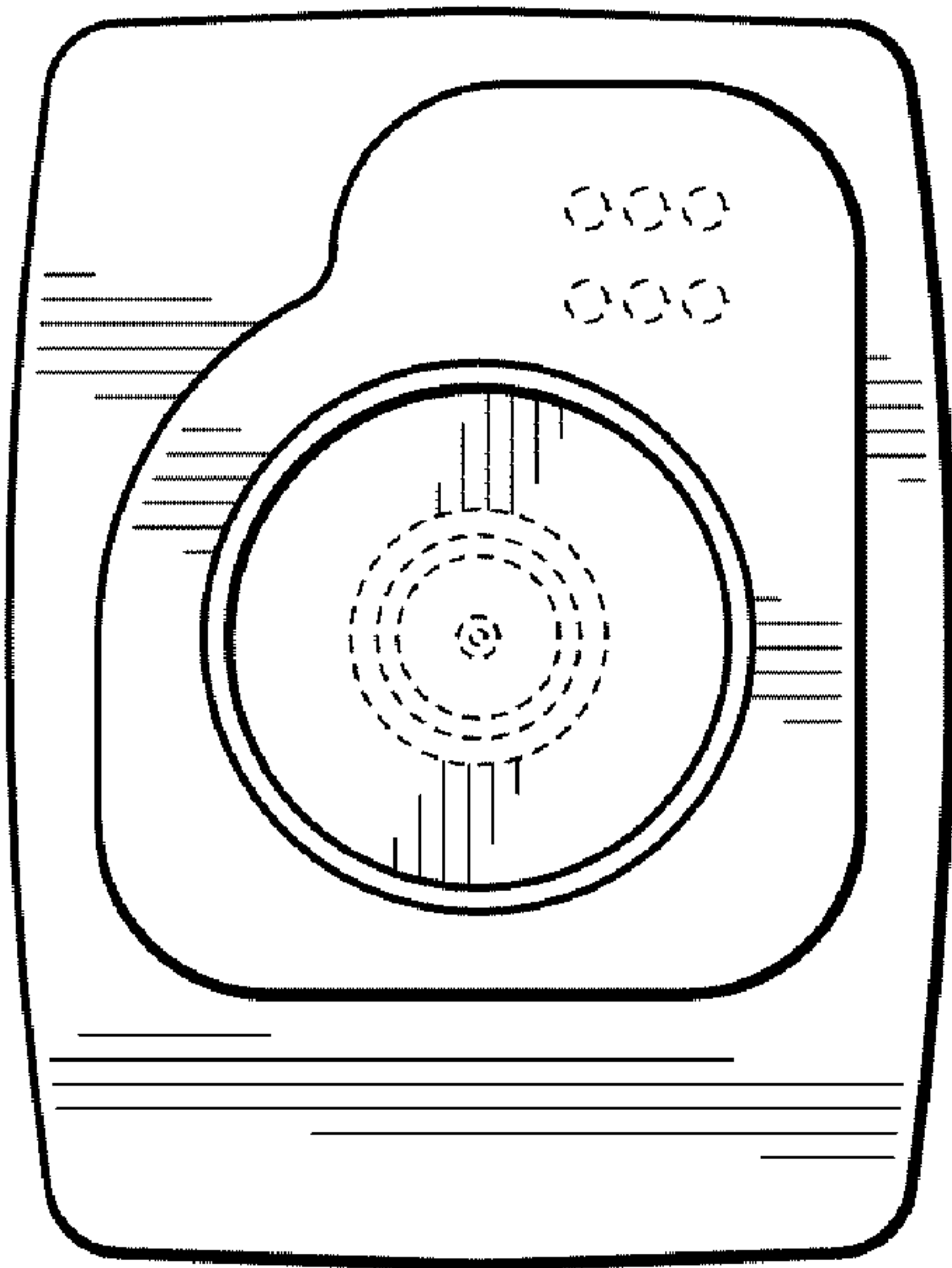


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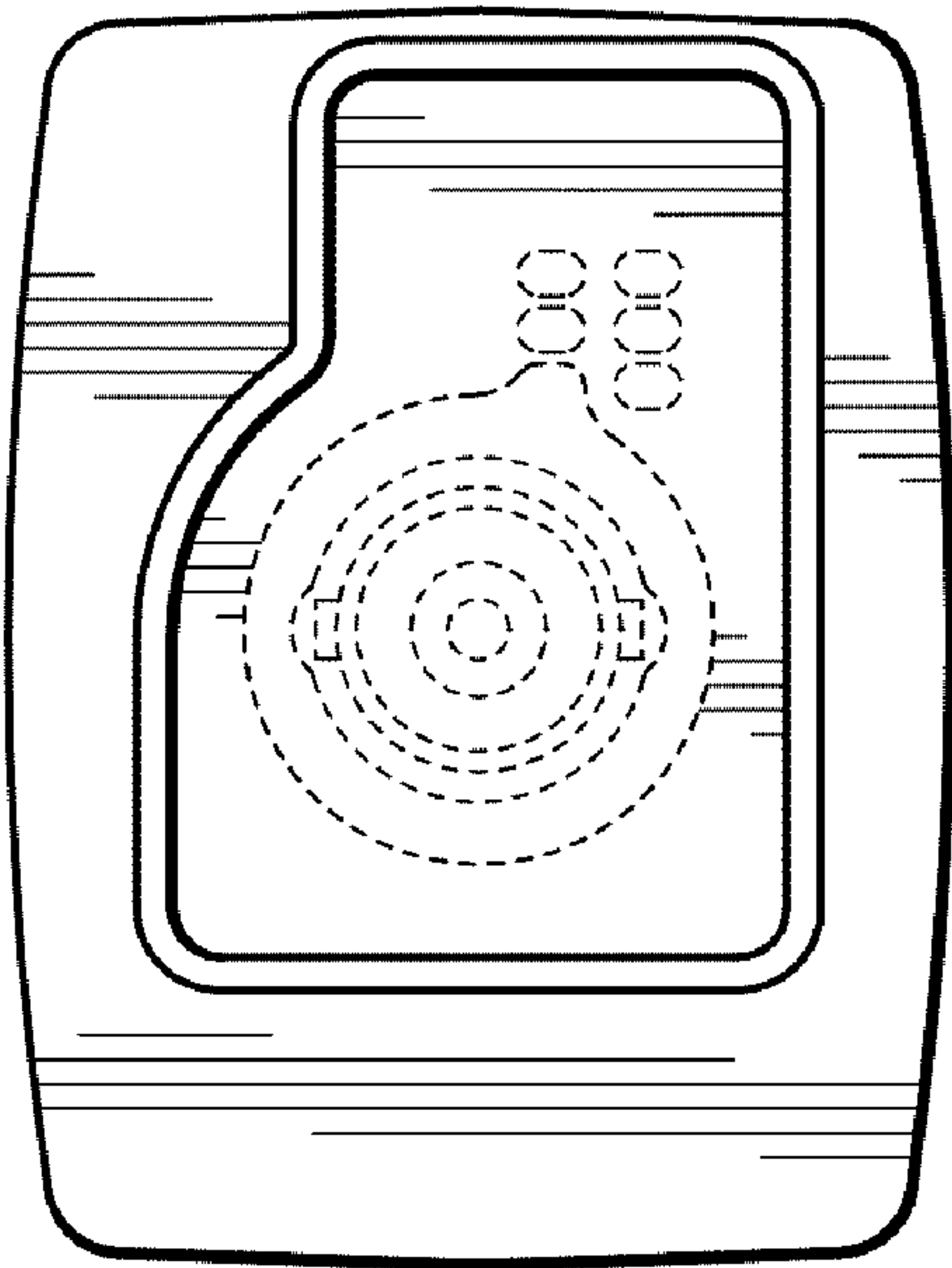


Figure 120