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(12) **United States Design Patent** (10) **Patent No.:** **US D909,434 S**
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(54) **REFRIGERATOR**

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USPC **D15/85**

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 F25D 23/069; F25D 25/025; F25D 11/02;
 F25D 17/062; F25D 21/12; F25D 21/125;
 F25D 21/14; F25D 2317/061; F25D
 2317/067; F25D 2323/021; F25D
 2323/024; F25D 23/028; F25D 23/04;
 F25D 23/066; F25D 23/085; F25D
 23/087; F25D 23/126; F25D 2400/02;
 F25D 2400/06; F25D 2400/361; F25D
 2400/40; F25D 25/005; F25D 25/02;
 F25D 2600/02; F25D 2700/02; F25D
 2700/12; F25D 2700/121; F25D 2700/14;
 F25D 29/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D190,453 S 5/1961 Munz et al.
 D299,145 S 12/1988 Kuwabara et al.
 D540,832 S 4/2007 Wang et al.
 D542,812 S 5/2007 Mori
 D578,555 S 10/2008 Yeo et al.

(Continued)

FOREIGN PATENT DOCUMENTS

AU 343156 S 6/2012
 AU 343588 S 7/2012

(Continued)

OTHER PUBLICATIONS

“Samsung French Door refrigerator with integrated Soda Stream module”; Applianceist: Home Appliance News; retrieved Mar. 11, 2019; published Apr. 21, 2014; URL: <<http://applianceist.com/cooling/refrigerators/samsung-french-door-with-soda-stream-refrigerator-rf24hsesbs.html>>.

(Continued)

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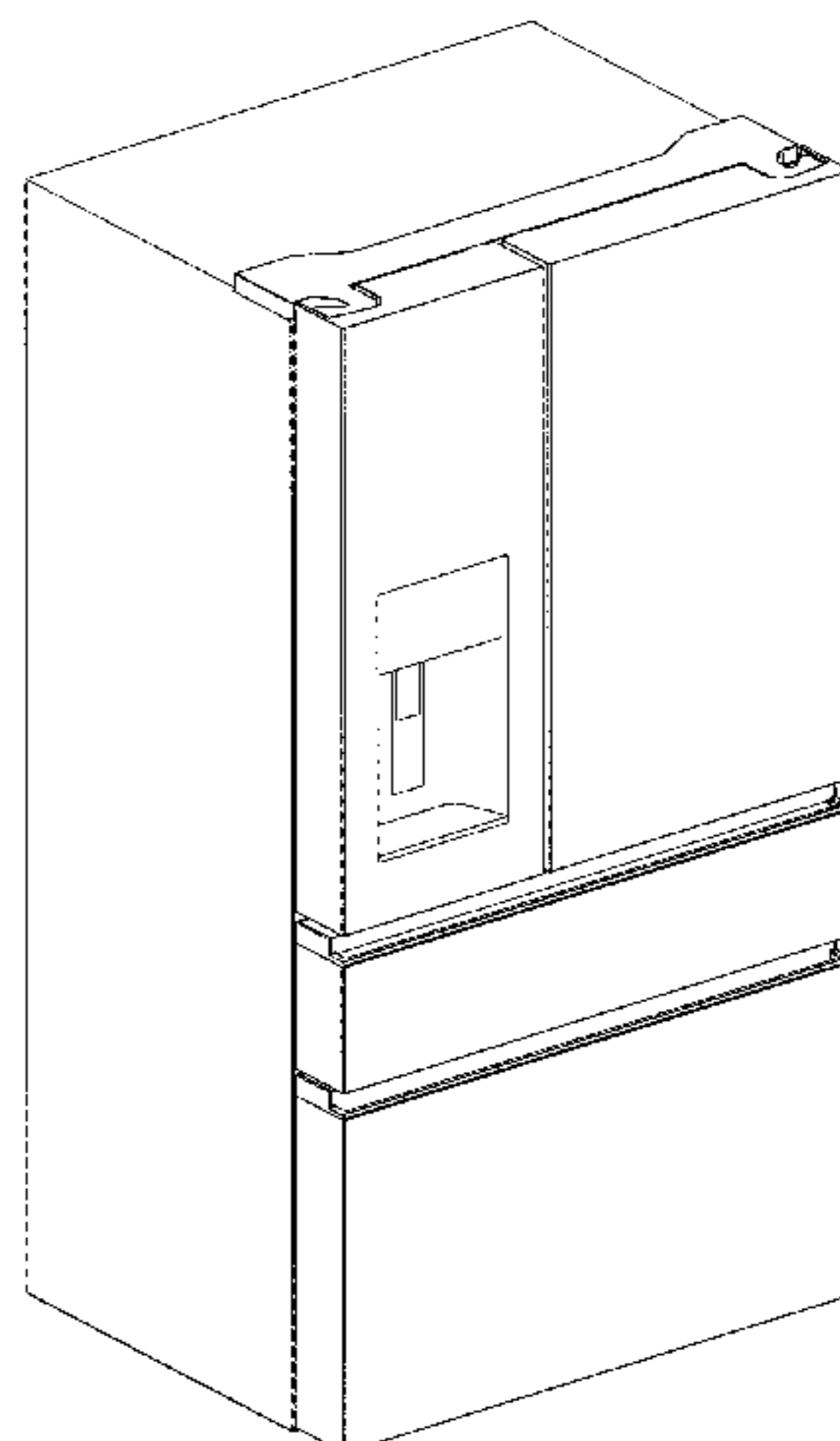
(57) **CLAIM**

The ornamental design for a refrigerator, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a refrigerator showing our new design;
 FIG. 2 is a front view thereof;
 FIG. 3 is a left side view thereof;
 FIG. 4 is a right side view thereof; and,
 FIG. 5 is a top view thereof.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D594,886 S 6/2009 Wang et al.
 D601,596 S 10/2009 Yoon et al.
 D613,778 S 4/2010 Kristiansen et al.
 D614,209 S 4/2010 Kristiansen et al.
 D615,109 S 5/2010 Yang et al.
 D615,565 S 5/2010 Kristiansen et al.
 D616,000 S 5/2010 Yang et al.
 D616,001 S 5/2010 Yang et al.
 D625,342 S 10/2010 Seo et al.
 D629,021 S 12/2010 Cho et al.
 D629,022 S 12/2010 Cho et al.
 D631,491 S 1/2011 Kristiansen et al.
 D632,708 S 2/2011 Seo et al.
 D633,114 S 2/2011 Seo et al.
 D641,384 S 7/2011 Yang et al.
 D647,927 S 11/2011 Lee et al.
 D655,321 S 3/2012 Lee et al.
 D657,804 S 4/2012 Lee et al.
 D657,805 S 4/2012 Cho et al.
 D658,215 S 4/2012 Seo et al.
 D660,325 S 5/2012 Yang et al.
 D666,635 S 9/2012 Jidam et al.
 D668,696 S 10/2012 Seo et al.
 D671,151 S 11/2012 Seo et al.
 D671,572 S 11/2012 Seo et al.
 D671,964 S 12/2012 Hong et al.
 D672,375 S 12/2012 Lee et al.
 D673,191 S 12/2012 Jidam et al.
 D674,414 S 1/2013 Lee et al.
 D674,415 S 1/2013 Lee et al.
 D674,417 S 1/2013 Seo et al.
 D674,418 S 1/2013 Seo et al.
 D674,823 S 1/2013 Jidam et al.
 D676,467 S 2/2013 Kim
 D678,922 S 3/2013 Lee et al.
 D680,138 S 4/2013 Seo et al.
 D681,695 S 5/2013 Lee et al.
 D684,609 S 6/2013 Seo et al.
 D686,644 S 7/2013 Lee et al.
 D690,329 S 9/2013 Seo et al.
 D692,929 S 11/2013 Seo et al.
 D698,374 S 1/2014 Jeon et al.
 D702,739 S 4/2014 Kim
 D703,244 S 4/2014 Seo et al.
 D703,245 S 4/2014 Seo et al.
 D710,402 S 8/2014 Jeon et al.
 D711,435 S 8/2014 Boo et al.
 D711,934 S 8/2014 Boo et al.
 D711,935 S 8/2014 Lee et al.
 D711,942 S 8/2014 Jeon et al.
 D713,862 S 9/2014 Lee et al.
 D714,360 S 9/2014 Seo et al.
 D714,363 S 9/2014 Jeon et al.
 D714,364 S 9/2014 Jeon et al.
 D714,365 S 9/2014 Jeon et al.
 D714,367 S 9/2014 Jeon et al.
 D714,839 S 10/2014 Jeon et al.
 D714,843 S 10/2014 Jeon et al.
 D714,844 S 10/2014 Jeon et al.
 D724,113 S 3/2015 Seo et al.
 D724,114 S 3/2015 Jeon et al.
 D726,785 S 4/2015 Hwang et al.
 D726,786 S 4/2015 Hwang et al.
 D727,375 S 4/2015 You et al.
 D728,644 S 5/2015 Hwang et al.
 D729,284 S 5/2015 Kwak et al.
 D729,285 S 5/2015 Seo et al.
 D729,286 S 5/2015 Kwak et al.
 D730,413 S 5/2015 Jeon et al.
 D730,414 S 5/2015 Hwang et al.
 D734,373 S 7/2015 Hwang et al.
 D735,782 S 8/2015 Hwang et al.
 D739,447 S 9/2015 Seo et al.
 D740,335 S 10/2015 Hwang et al.
 D742,431 S 11/2015 Seo et al.

D742,432 S 11/2015 Jeon et al.
 D742,433 S 11/2015 Jeon et al.
 D742,434 S 11/2015 Yeo et al.
 D742,437 S 11/2015 Choi et al.
 D742,438 S 11/2015 Jeon et al.
 D742,941 S 11/2015 Choi et al.
 D747,368 S 1/2016 Kim et al.
 D760,819 S 7/2016 Lee et al.
 D761,333 S 7/2016 Lee et al.
 D761,334 S 7/2016 Lee et al.
 D768,735 S 10/2016 Choi et al.
 D768,736 S 10/2016 Choi et al.
 D771,724 S * 11/2016 Jeon D15/86
 D773,538 S * 12/2016 Jeon D15/86
 D774,569 S 12/2016 Seo et al.
 D775,674 S 1/2017 Seo et al.
 D786,317 S 5/2017 Kim et al.
 D786,318 S 5/2017 Kim et al.
 D786,947 S 5/2017 Kim et al.
 D786,948 S 5/2017 Lee et al.
 D789,995 S 6/2017 Kim et al.
 D791,199 S 7/2017 Kim et al.
 D794,685 S 8/2017 Wang et al.
 D798,342 S * 9/2017 Kim D15/86
 D798,343 S 9/2017 Kwon et al.
 D798,344 S 9/2017 Kim et al.
 D803,279 S 11/2017 Cho et al.
 D806,763 S 1/2018 Cho et al.
 D807,410 S 1/2018 Cho et al.
 D810,154 S 2/2018 Lee et al.
 D814,533 S 4/2018 Kim et al.
 D825,623 S 8/2018 Jeon et al.
 D825,624 S 8/2018 Kwon et al.
 D826,295 S 8/2018 Lee
 D826,997 S * 8/2018 Lee D15/91
 D826,998 S * 8/2018 Lee D15/91
 D827,683 S * 9/2018 Jeon D15/85
 D829,246 S 9/2018 Ammerman et al.
 D832,312 S 10/2018 Kim et al.
 D835,688 S 12/2018 Lee et al.
 D836,683 S * 12/2018 Jeon D15/86
 D837,840 S * 1/2019 Choi D15/81
 D837,841 S * 1/2019 Choi D15/81
 D838,297 S 1/2019 Choi et al.
 D838,299 S 1/2019 Lee et al.
 D839,325 S 1/2019 Lee et al.
 D840,444 S 2/2019 Kim et al.
 D841,058 S 2/2019 Lee et al.
 D841,060 S * 2/2019 Jeon D15/91
 D841,700 S 2/2019 Lee et al.
 D844,679 S 4/2019 Kim et al.
 D850,498 S * 6/2019 Kim D15/86
 D873,310 S * 1/2020 Huang D15/86
 D880,544 S 4/2020 Kim et al.
 D888,110 S * 6/2020 Lee D15/85
 D892,871 S * 8/2020 Lee D15/79

FOREIGN PATENT DOCUMENTS

AU 201711058 S 3/2017
 AU 201711060 S 3/2017
 AU 201711066 S 3/2017
 BR 302017000561-6 11/2017
 BR 302017000563-2 11/2017
 BR 302017000565-9 11/2017
 CN 301380420 S 11/2010
 CN 301410642 S 12/2010
 CN 301426397 S 12/2010
 CN 301452137 S 1/2011
 CN 303114098 2/2015
 CN 303127471 S 3/2015
 CN 303143985 S 3/2015
 CN 303143996 3/2015
 CN 303207947 5/2015
 CN 303207964 5/2015
 CN 303207967 S 5/2015
 CN 303339295 S 8/2015
 CN 303348485 8/2015
 CN 303348490 8/2015

(56)

References Cited

FOREIGN PATENT DOCUMENTS

CN	303387673	S	9/2015
CN	303467175	S	11/2015
CN	303467177		11/2015
CN	303467200		11/2015
CN	303521116	S	12/2015
CN	303551566		1/2016
CN	303551596		1/2016
CN	303605846	S	3/2016
CN	303623204		3/2016
CN	303628527	S	3/2016
CN	303702178	S	6/2016
CN	303739559	S	7/2016
CN	303997030		1/2017
CN	304073599	S	3/2017
CN	304139394	S	5/2017
CN	304228542	S	8/2017
CN	304241188		8/2017
CN	304270897		9/2017
CN	304386874		12/2017
CN	304514671		2/2018
CN	304572387		4/2018
EM	001292940-0005		9/2011
JP	1597515	S	2/2018
TW	D114183	S	12/2006
TW	D173078	S	1/2016
TW	D183628	S	6/2017
WO	D089484-001		5/2016
WO	DM090679		5/2016
WO	DM093519		11/2016
WO	D094553		2/2017
WO	DM095787		4/2017
WO	D091378-001		6/2017
WO	D094858-001		8/2017

OTHER PUBLICATIONS

“French Door refrigerator from Samsung ”; Appliance News; retrieved Mar. 11, 2019; published Jul. 8, 2010; URL: <<http://appliancist.com/cooling/refrigerators/french-door-refrigerator-samsung-rf4287.html>>.

“LG Studio Series refrigerator with double drawer freezer”; Appliance News; retrieved Mar. 11, 2019; published Mar. 1, 2011; URL: <<http://appliancist.com/cooling/refrigerators/lg-studio-series-french-door-refrigerator-lsmx214st.html>>.

“Maytag French Door refrigerator, the Ice2O Easy Access”; Appliance News; retrieved Mar. 11, 2019; published Aug. 23, 2010; URL: <<http://appliancist.com/cooling/refrigerators/maytag-french-door-refrigerator-ice2o-easy-access.html>>.

“LG Door-in-Door refrigerators”; Appliance News; retrieved Apr. 3, 2019; published Apr. 4, 2014; URL: <<http://appliancist.com/cooling/refrigerators/lg-door-in-door-refrigerators.html>>.

“Kuppersbusch American Style refrigerator”; Appliance News; retrieved Apr. 3, 2019; published Oct. 24, 2013; URL: <<http://appliancist.com/cooling/refrigerators/kuppersbusch-american-style-refrigerator-ke-9700-0-2tz.html>>.

“LMXS30776D Refrigerator”, LG, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.lg.com/us/refrigerators/lg-LMXS30776D-french-4-door-refrigerator#>>.

“LMNS14420V Refrigerator”, LG, retrieved Jul. 31, 2020, disclosure date unknown prior to Aug. 17, 2018; URL: <<https://www.lg.com/us/refrigerators/lg-LMNS14420V-french-4-door-refrigerator>>.

“LMXS28626D Refrigerator”, LG, retrieved Jul. 31, 2020, disclosure date unknown but believed to be prior to filing date of present application, URL: <<https://www.lg.com/us/refrigerators/lg-LMXS28626D-french-4-door-refrigerator>>.

Picture of French Door Refrigerator by Maytag, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

“LNXS30996D Refrigerator”, LG, retrieved Jul. 14, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.lg.com/us/refrigerators/lg-LNXS30996D-door-in-door>>.

“LUPXC2386N Refrigerator”, LG, retrieved Jul. 14, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.lg.com/us/refrigerators/lg-LUPXC2386N-instaview-counter-depth-refrigerator-lgsignature>>.

“LPXS30866D Refrigerator”, LG, retrieved Jul. 14, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.lg.com/us/refrigerators/lg-LPXS30866D-french-4-door-refrigerator>>.

“LNXC23766D Refrigerator”, LG, retrieved Jul. 14, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.lg.com/us/refrigerators/lg-LNXC23766D-door-in-door>>.

“28 Cu. Ft. Food Showcase 4-Door Flex Refrigerator With Flexzone in Black Stainless Steel”, Samsung, retrieved Jul. 14, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.samsung.com/us/home-appliances/refrigerators/4-door-flex/36-wide-x-72-high-28-cu-ft-capacity-4-door-flex-food-showcase-refrigerator-with-flexzone-black-stainless-steel-rf28k9380sg-aa/>>.

Picture of French Door Refrigerator by LG, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of French Door Refrigerator 2 by LG, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of French Door Refrigerator 3 by LG, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of French Door Refrigerator 4 by LG, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of French Door Refrigerator 5 by LG, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

“WRX735SDHV Refrigerator”, Whirlpool, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.whirlpool.com/kitchen/refrigeration/refrigerators/french-door/p.36-inch-wide-french-door-refrigerator-25-cu.-ft.wrx735sdhv.html>>.

“WRX986SIHV Refrigerator”, Whirlpool, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.whirlpool.com/kitchen/kitchen-collections/fingerprint-resistant-black-stainless-steel/p.36-inch-wide-4-door-refrigerator-with-exterior-drawer-26-cu.-ft.wrx986sihv.html>>.

“WRV986FDEM Refrigerator”, Whirlpool, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.whirlpool.com/kitchen/refrigeration/refrigerators/french-door/p.26-cu.-ft.-double-drawer-refrigerator-with-dual-icemakers.wrv986fdem.html>>.

“23 cu. ft. Counter Depth 4-Door French Door Freestanding Chef Collection Refrigerator in Matte Black Stainless Steel”, Samsung, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.samsung.com/us/home-appliances/refrigerators/4-door-french-door/23-cu-ft-capacity-counter-depth-4-door-french-door-36-freestanding-chef-collection-refrigerator-rf23m8960mt-aa/>>.

“22 cu. fL Family Hub™ Counter Depth 4-Door French Door Refrigerator in Black Stainless Steel”, Samsung, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.samsung.com/us/home-appliances/refrigerators/4-door-french-door/22-cutt-capacity-counter-depth-4-door-french-door-refrigerator-with-family-hub-2-0-and-recessed-handles-rf23m8570sg-aa/>>.

“25 cu. ft. 4-Door French Door Refrigerator in Stainless Steel”, Samsung, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.samsung.com/us/home-appliances/refrigerators/4-door-french-door/28-cu-ft-4-door-french-door-refrigerator-in-fingerprint-resistant-stainless-steel-rf28r7201sr-aa/>>.

“23 cu. ft. Counter Depth 4-Door French Door Refrigerator with Polygon Handles in Black Stainless Steel”, Samsung, retrieved Jul. 31, 2020, disclosure date unknown but prior to Aug. 17, 2018, URL: <<https://www.samsung.com/us/home-appliances/refrigerators/4-door-french-door/23-cu-ft-capacity-counter-depth-4-door-french-door-refrigerator-with-polygon-handles-rf23m8090sg-aa/>>.

(56)

References Cited

OTHER PUBLICATIONS

Picture of 4 Door French Door Refrigerator by Samsung, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of 4 Door French Door Refrigerator 2 by Samsung, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of 4 Door French Door Refrigerator 3 by Samsung, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of 4 Door French Door Refrigerator 4 by Samsung, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of 4 Door French Door Refrigerator 5 by Samsung, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of 4 Door French Door Refrigerator 6 by Samsung, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

Picture of 4 Door French Door Refrigerator 7 by Samsung, 1 color sheet of photograph, disclosure date unknown but prior to Aug. 17, 2018.

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* cited by examiner

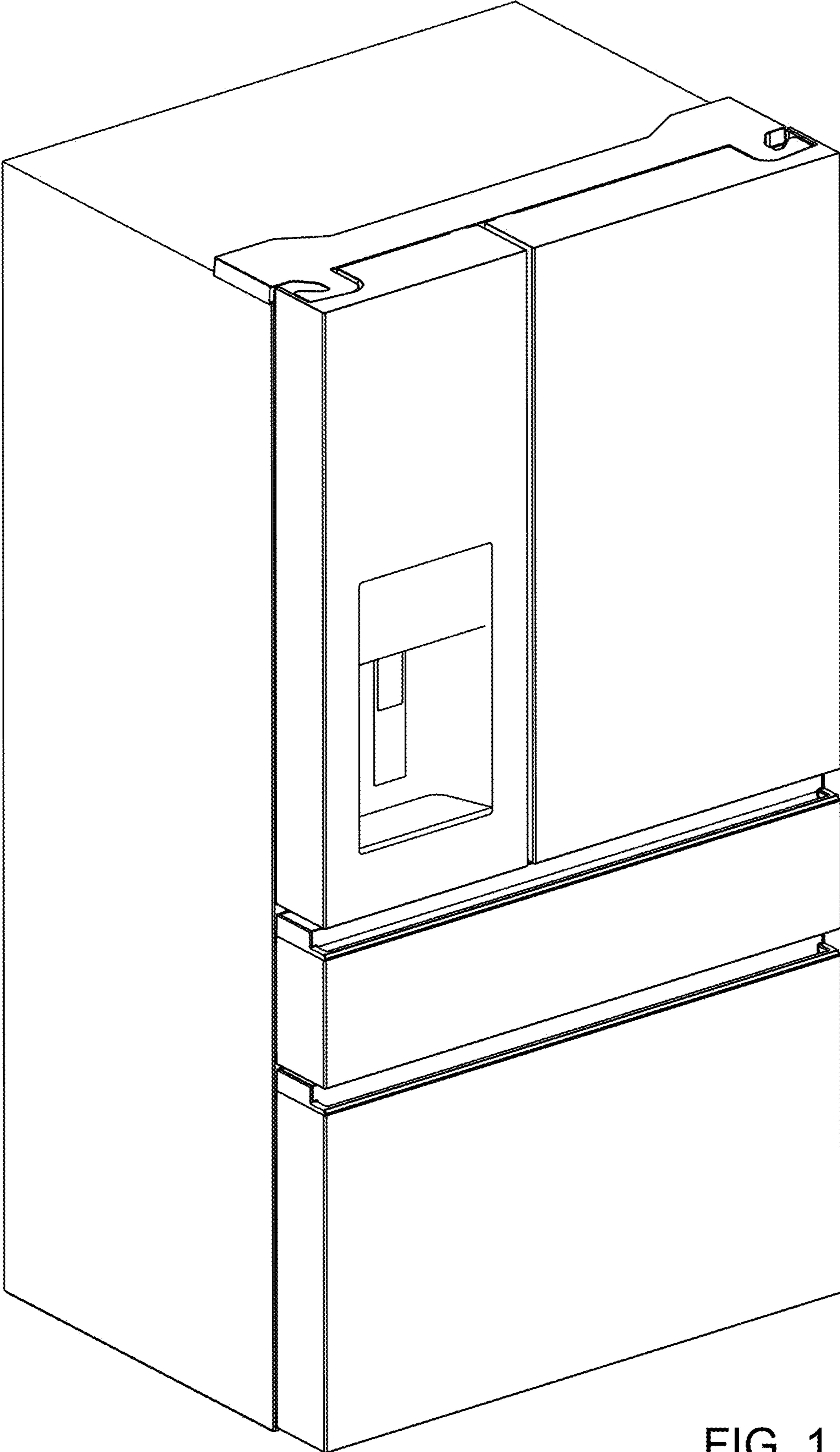


FIG. 1

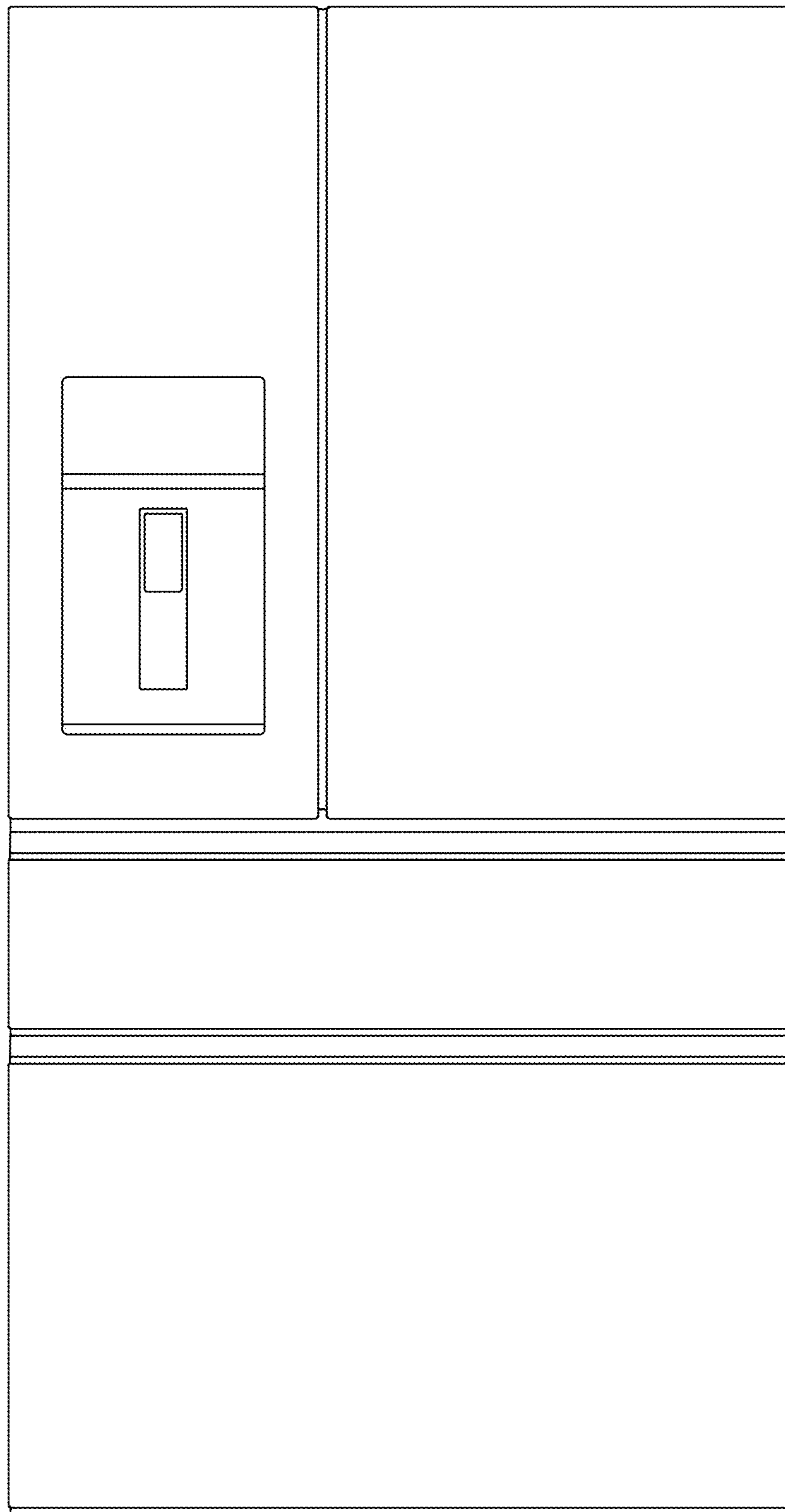


FIG. 2

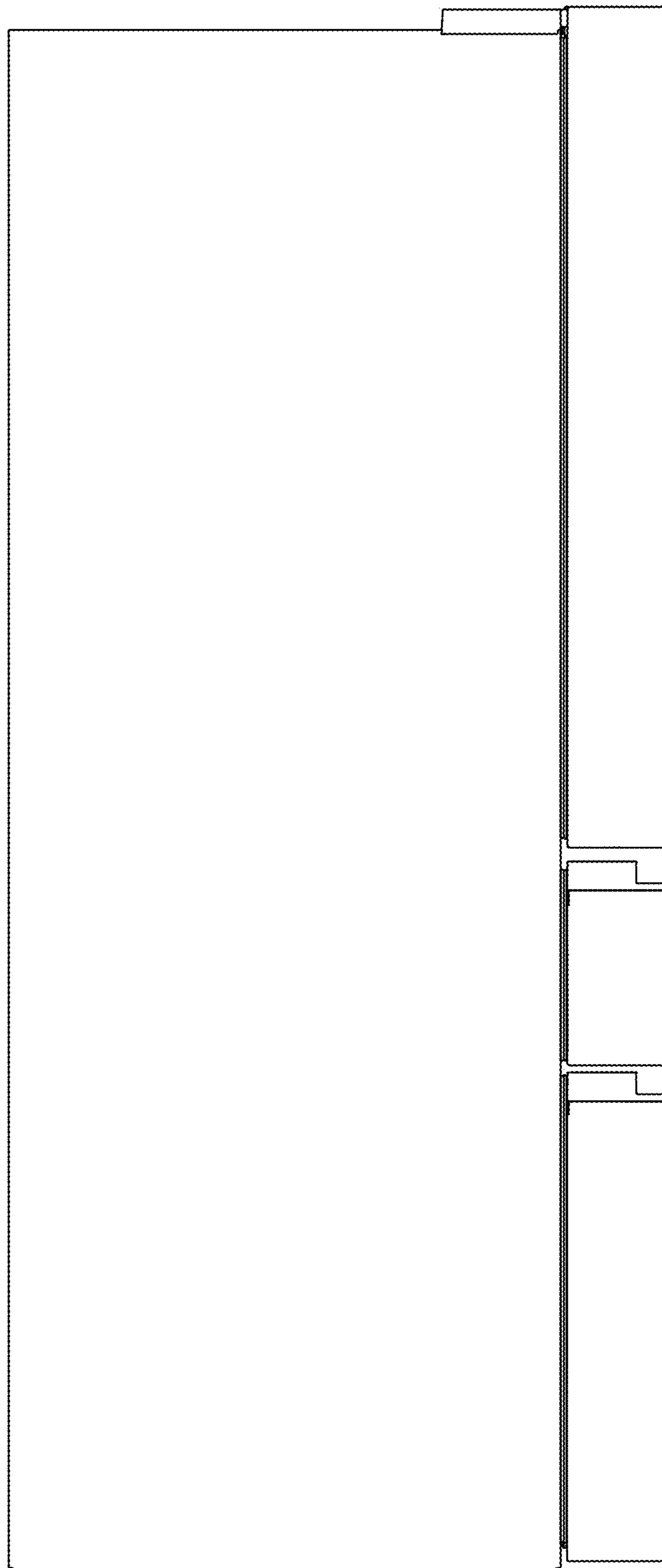


FIG. 3

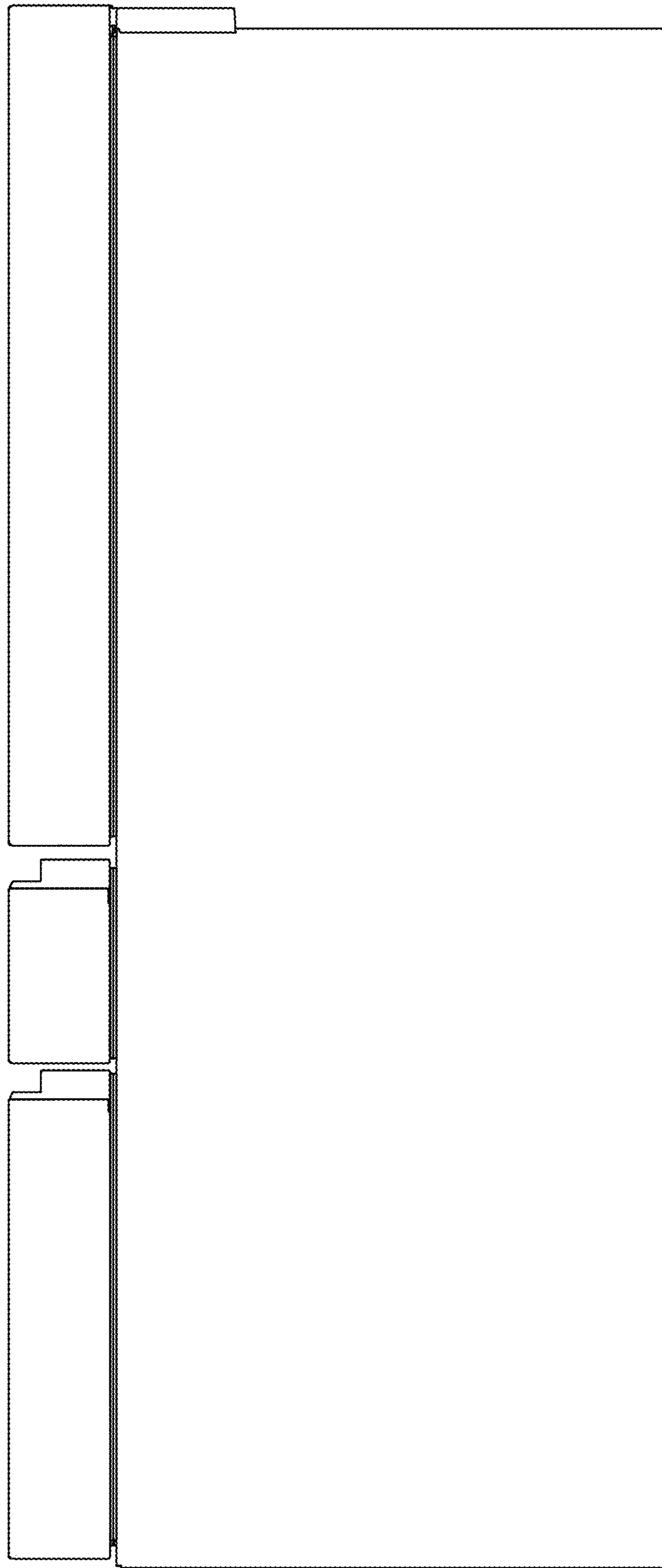


FIG. 4

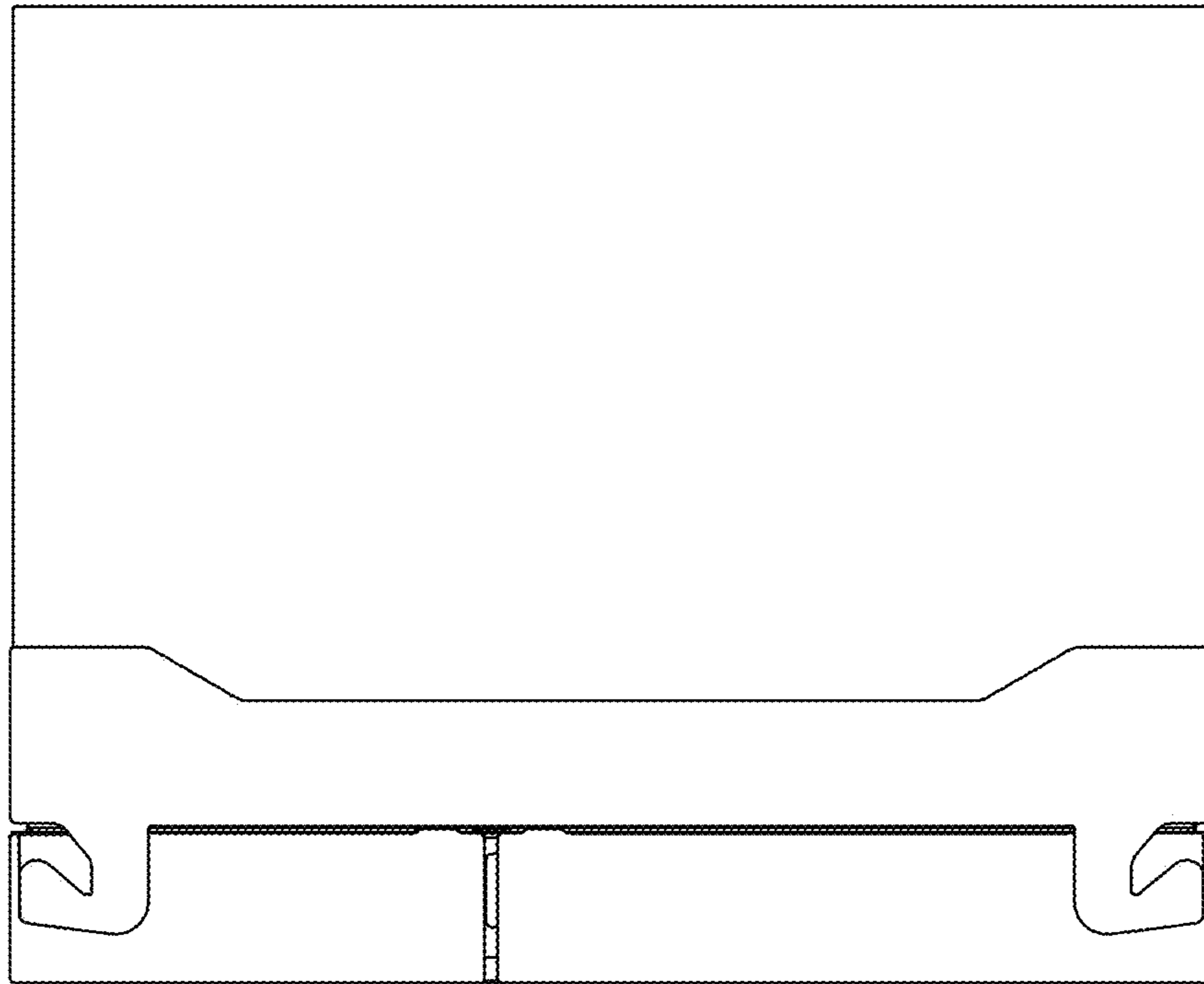


FIG. 5