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**Grail et al.**

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(54) **DISPLAY SYSTEM OR PORTION THEREOF WITH A VIRTUAL THREE-DIMENSIONAL ANIMATED GRAPHICAL USER INTERFACE**

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G06F 3/0482; G06F 3/0483; G06F  
3/04842; G06F 3/0485; G06F 3/04855;  
G06F 3/0486; G06F 3/0488; G06F  
3/04886; G06F 9/4443

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,499,306 A 3/1996 Sasaki et al.  
5,504,821 A 4/1996 Kanamori et al.  
5,588,098 A 12/1996 Chen et al.

(Continued)

**OTHER PUBLICATIONS**

“SAP IoT Experience In Virtual Reality (VR)” May 4, 2017, YouTube, site visited Dec. 16, 2021: <https://www.youtube.com/watch?v=thw4s4hUAmE> (Year: 2017).\*

(Continued)

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(57) **CLAIM**

The ornamental design for a display system or portion thereof with a virtual three-dimensional animated graphical user interface, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of a display system or portion thereof with a virtual three-dimensional animated graphical user interface showing a first image of the claimed design;

FIG. 2 is a second image thereof; and,

FIG. 3 is a third image thereof.

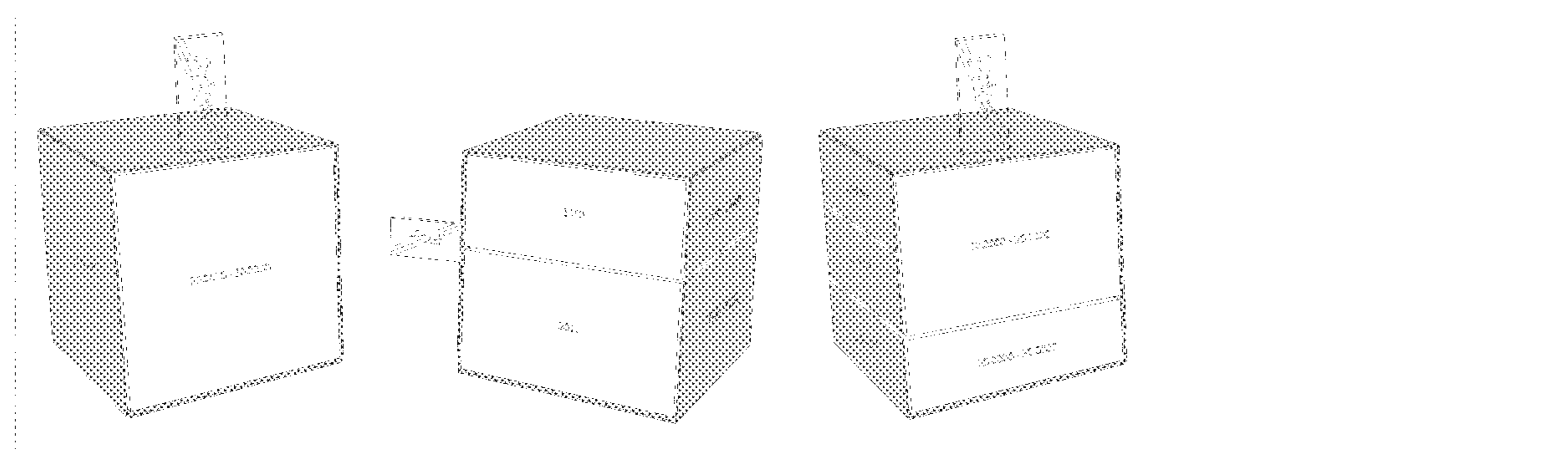
The outermost broken lines in the figures show a display system or portion thereof, and form no part of the claimed design. The other broken lines in the figures show portions of the virtual three-dimensional animated graphical user interface that form no part of the claimed design.

The shaded claimed portions in the figures show a contrast in appearance with the non-shaded claimed portions.

The appearance of the animated image sequentially transitions between the images shown in FIGS. 1-3. The process or period in which one image transitions to another forms no part of the claimed design.

The oblique line shading in the figures represents the appearance of transparency/translucency.

**1 Claim, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

5,926,820 A 7/1999 Agrawal et al.  
 6,326,988 B1 12/2001 Gould et al.  
 6,424,344 B1 7/2002 Lee  
 6,434,544 B1 8/2002 Bakalash et al.  
 6,466,237 B1 10/2002 Miyao et al.  
 6,542,895 B1 4/2003 DeKimpe et al.  
 6,546,395 B1 4/2003 DeKimpe et al.  
 6,597,358 B2 7/2003 Miller  
 6,629,065 B1 9/2003 Gadh et al.  
 6,661,426 B1 12/2003 Jetha et al.  
 6,798,843 B1 9/2004 Wright et al.  
 6,801,908 B1 10/2004 Fuloria et al.  
 7,194,465 B1 3/2007 MacGregor  
 7,284,011 B1 10/2007 Narayanaswamy et al.  
 7,383,279 B2 6/2008 Tare et al.  
 7,417,762 B2 8/2008 Arai  
 D578,544 S \* 10/2008 Nathan ..... D14/487  
 D602,028 S \* 10/2009 Queric ..... D14/485  
 7,639,256 B1 12/2009 Yablonski et al.  
 7,692,648 B2 4/2010 Engel  
 7,756,907 B2 7/2010 Stolte et al.  
 D623,657 S \* 9/2010 Fitzmaurice ..... D14/488  
 7,917,868 B2 3/2011 Ok et al.  
 7,979,672 B2 7/2011 El-Mahdy et al.  
 8,111,255 B2 2/2012 Park  
 8,117,563 B2 \* 2/2012 Ok ..... G06F 3/04815  
 715/848  
 D656,505 S \* 3/2012 Jones ..... D14/485  
 8,234,298 B2 7/2012 Winter et al.  
 8,237,736 B2 8/2012 Flick  
 8,510,680 B2 \* 8/2013 Kang ..... G06F 3/04815  
 715/848  
 8,606,827 B2 12/2013 Williamson  
 8,766,997 B1 7/2014 Hickman et al.  
 8,799,207 B1 8/2014 Stolte et al.  
 8,868,544 B2 10/2014 Witkowski et al.  
 8,965,836 B1 2/2015 Stolte et al.  
 8,965,866 B2 2/2015 Varghese et al.  
 9,025,891 B2 5/2015 Terada  
 9,069,455 B2 6/2015 Sripada  
 9,137,666 B1 9/2015 Bonn et al.  
 9,171,055 B1 10/2015 Stolte et al.  
 9,176,985 B2 11/2015 Baba et al.  
 9,183,269 B1 11/2015 Stolte et al.  
 9,330,091 B1 5/2016 Stolte et al.  
 9,332,257 B2 5/2016 Joshi et al.  
 9,423,929 B2 8/2016 Mattos et al.  
 9,529,892 B2 12/2016 Tibrewal et al.  
 9,737,811 B1 8/2017 Penmatsa et al.  
 9,753,132 B1 9/2017 Bordes et al.  
 9,836,263 B2 12/2017 Kasahara  
 9,922,437 B1 3/2018 Baron et al.  
 9,959,795 B2 5/2018 Kim et al.  
 10,089,147 B2 10/2018 Jamjoom et al.  
 10,289,972 B1 5/2019 Goyal et al.  
 10,318,545 B1 6/2019 Klippsten et al.  
 10,325,405 B1 6/2019 Falstrup et al.  
 10,346,950 B2 7/2019 Edwards et al.  
 10,366,464 B2 7/2019 Williamson  
 D857,036 S \* 8/2019 Cummings ..... D14/485  
 10,429,941 B2 10/2019 Kamada et al.  
 10,573,057 B1 2/2020 Dixit et al.  
 10,621,203 B2 4/2020 Hunt et al.  
 10,671,241 B1 6/2020 Jia et al.  
 10,699,070 B2 6/2020 Walia  
 10,712,898 B2 7/2020 Christmas et al.  
 10,768,421 B1 9/2020 Rosenberg et al.  
 11,079,901 B2 8/2021 Natarajan et al.  
 D931,325 S \* 9/2021 Pazmino ..... D14/488  
 D931,894 S \* 9/2021 Pazmino ..... D14/488  
 D933,703 S \* 10/2021 Pazmino ..... D14/488  
 D933,704 S \* 10/2021 Pazmino ..... D14/488  
 D940,752 S \* 1/2022 Becker ..... D14/489  
 D944,837 S \* 3/2022 Harvey ..... D14/488  
 D944,846 S \* 3/2022 Becker ..... D14/486

2001/0003835 A1 \* 6/2001 Watts ..... G06F 3/0486  
 719/318  
 2001/0054034 A1 12/2001 Arning et al.  
 2002/0008709 A1 1/2002 Suzuki  
 2002/0018066 A1 2/2002 Vizer  
 2002/0029207 A1 3/2002 Bakalash et al.  
 2002/0091707 A1 7/2002 Keller  
 2002/0113865 A1 8/2002 Yano et al.  
 2003/0004938 A1 1/2003 Lawder  
 2003/0142136 A1 \* 7/2003 Carter ..... G06F 3/04815  
 715/782  
 2003/0204534 A1 10/2003 Hapeman et al.  
 2003/0208506 A1 11/2003 Greenfield et al.  
 2003/0229652 A1 12/2003 Bakalash et al.  
 2004/0081340 A1 4/2004 Hashimoto  
 2004/0122820 A1 6/2004 Malloy et al.  
 2004/0122844 A1 6/2004 Malloy et al.  
 2004/0126007 A1 7/2004 Ziel et al.  
 2004/0139061 A1 7/2004 Colossi et al.  
 2004/0164957 A1 8/2004 Yamaguchi et al.  
 2004/0181503 A1 9/2004 Moseler et al.  
 2004/0215626 A1 10/2004 Colossi et al.  
 2005/0012745 A1 1/2005 Kondo et al.  
 2005/0013507 A1 1/2005 Lee et al.  
 2005/0047670 A1 3/2005 Qian et al.  
 2005/0057579 A1 3/2005 Young  
 2005/0060300 A1 3/2005 Stolte et al.  
 2005/0151732 A1 7/2005 Yamaguchi et al.  
 2005/0172007 A1 8/2005 Avrahami et al.  
 2005/0174361 A1 8/2005 Kobayashi et al.  
 2005/0231532 A1 10/2005 Suzuki et al.  
 2006/0028543 A1 2/2006 Sohn et al.  
 2006/0069698 A1 3/2006 Hintikka  
 2006/0156228 A1 7/2006 Gallo et al.  
 2006/0206512 A1 9/2006 Hanrahan et al.  
 2006/0258449 A1 11/2006 Yasui et al.  
 2006/0274060 A1 12/2006 Ni et al.  
 2007/0008621 A1 1/2007 Satoh et al.  
 2007/0018975 A1 1/2007 Chuanggui et al.  
 2007/0027904 A1 2/2007 Chow et al.  
 2007/0028187 A1 \* 2/2007 Katsuyama ..... G03G 15/5091  
 715/810  
 2007/0033279 A1 2/2007 Battat et al.  
 2007/0236514 A1 10/2007 Agusanto et al.  
 2007/0238981 A1 10/2007 Zhu et al.  
 2007/0248259 A1 10/2007 Liu  
 2008/0243778 A1 10/2008 Behnen et al.  
 2008/0273082 A1 11/2008 Miyake  
 2009/0006455 A1 1/2009 Carroll  
 2009/0009515 A1 1/2009 Tanaka  
 2009/0019393 A1 1/2009 Fukushima et al.  
 2009/0027380 A1 1/2009 Rajan et al.  
 2009/0136096 A1 5/2009 Sirohey et al.  
 2009/0198663 A1 8/2009 Yang et al.  
 2010/0156893 A1 6/2010 Mihara et al.  
 2010/0306281 A1 12/2010 Williamson  
 2011/0205341 A1 8/2011 Wilson et al.  
 2011/0310100 A1 12/2011 Adimatyam et al.  
 2012/0038754 A1 2/2012 Na  
 2012/0174038 A1 7/2012 Tamayo et al.  
 2012/0197950 A1 8/2012 Dayal et al.  
 2012/0212490 A1 8/2012 Salemman  
 2012/0290976 A1 11/2012 Lahm et al.  
 2012/0310874 A1 12/2012 Dantressangle et al.  
 2012/0311474 A1 12/2012 McPherson et al.  
 2012/0324401 A1 12/2012 Morris  
 2013/0031142 A1 1/2013 Wester  
 2013/0054137 A1 2/2013 Arai  
 2013/0054510 A1 2/2013 Beaumont  
 2013/0054608 A1 2/2013 Gong et al.  
 2013/0076731 A1 3/2013 Rolleston et al.  
 2013/0093756 A1 4/2013 Davidson  
 2013/0097563 A1 4/2013 Pacheco Rodrigues Velho et al.  
 2013/0159307 A1 6/2013 Wolge et al.  
 2013/0339291 A1 12/2013 Hasner  
 2014/0058998 A1 2/2014 Schwerk  
 2014/0140579 A1 5/2014 Takemoto  
 2014/0152661 A1 6/2014 Nishiura  
 2014/0156588 A1 6/2014 Mohanty et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2014/0228119 A1 8/2014 Koenig  
 2014/0258938 A1 9/2014 Christmas et al.  
 2014/0279824 A1 9/2014 Tamayo  
 2014/0279833 A1 9/2014 Gong et al.  
 2014/0327667 A1 11/2014 Kim et al.  
 2015/0007115 A1 1/2015 Kleser et al.  
 2015/0015572 A1 1/2015 Izumo et al.  
 2015/0073961 A1 3/2015 Cristoforo  
 2015/0186728 A1 7/2015 Kimura  
 2015/0205841 A1 7/2015 Thiyagarajah et al.  
 2015/0278334 A1 10/2015 Gerweck et al.  
 2015/0367230 A1 12/2015 Bradford et al.  
 2015/0381968 A1 12/2015 Arora et al.  
 2016/0034115 A1 2/2016 Natarajan et al.  
 2016/0086028 A1 3/2016 Francois et al.  
 2016/0179925 A1 6/2016 Hsu et al.  
 2016/0191891 A1 6/2016 Gilpin  
 2016/0267705 A1 9/2016 O'Leary  
 2016/0378843 A1 12/2016 Cherwonka et al.  
 2017/0011082 A1 1/2017 Velury  
 2017/0034527 A1 2/2017 Lee et al.  
 2017/0103111 A1 4/2017 Lavin et al.  
 2017/0116227 A1 4/2017 Shaked  
 2017/0116309 A1 4/2017 Menon et al.  
 2017/0116313 A1 4/2017 Roytman  
 2017/0124770 A1 5/2017 Vats  
 2017/0132846 A1 5/2017 Iverson et al.  
 2017/0147674 A1 5/2017 Procops et al.  
 2017/0154468 A1 6/2017 Xu  
 2017/0168782 A1 6/2017 Boyd  
 2017/0169092 A1 6/2017 Baird et al.  
 2017/0177636 A1 6/2017 Nguyen et al.  
 2017/0336951 A1\* 11/2017 Palmaro ..... G06F 3/011  
 2017/0357227 A1 12/2017 Kummer  
 2018/0081921 A1 3/2018 Willcock et al.  
 2018/0089336 A1 3/2018 Ninomiya et al.  
 2018/0096512 A1 4/2018 Dahl et al.  
 2018/0107726 A1 4/2018 Dwivedi et al.  
 2018/0137675 A1 5/2018 Kwant et al.  
 2018/0184000 A1 6/2018 Lee et al.  
 2018/0189014 A1 7/2018 Patil et al.  
 2018/0192032 A1 7/2018 Freeman et al.  
 2018/0260661 A1 9/2018 Konishi  
 2018/0278918 A1 9/2018 Peri  
 2018/0284882 A1 10/2018 Shipes et al.  
 2018/0322683 A1 11/2018 Dimitrov et al.  
 2019/0073831 A1 3/2019 Kim  
 2019/0073832 A1 3/2019 Kim

2019/0096135 A1 3/2019 Dal Mutto et al.  
 2019/0098278 A1 3/2019 Koizumi  
 2019/0102442 A1 4/2019 Daga et al.  
 2019/0102446 A1 4/2019 Ramaiyer  
 2019/0102447 A1 4/2019 Ramaiyer  
 2019/0108396 A1 4/2019 Dal Mutto et al.  
 2019/0139296 A1 5/2019 Lakshman et al.  
 2019/0187876 A1 6/2019 Platt et al.  
 2019/0191146 A1 6/2019 Koyama et al.  
 2019/0206280 A1 7/2019 Palmer  
 2019/0236840 A1 8/2019 Zuckerman et al.  
 2019/0286086 A1 9/2019 Gardner et al.  
 2019/0332610 A1 10/2019 Krishna et al.  
 2019/0340306 A1 11/2019 Harrison et al.  
 2019/0370346 A1 12/2019 Xu et al.  
 2019/0371071 A1 12/2019 Lyons  
 2019/0378341 A1 12/2019 Xie et al.  
 2019/0392069 A1 12/2019 Lim et al.  
 2020/0007551 A1 1/2020 Valente et al.  
 2020/0012409 A1 1/2020 Sadacharam et al.  
 2020/0020024 A1 1/2020 Lyons  
 2020/0026592 A1 1/2020 Ramaiyer  
 2020/0054398 A1 2/2020 Kovtun et al.  
 2020/0090030 A1 3/2020 Huang et al.  
 2020/0125550 A1 4/2020 Katkade et al.  
 2020/0156363 A1 5/2020 Touma et al.  
 2020/0192906 A1 6/2020 Visscher  
 2020/0230337 A1 7/2020 Rees et al.  
 2020/0242837 A1 7/2020 Sato  
 2020/0257680 A1 8/2020 Danyi et al.  
 2020/0267194 A1 8/2020 Pilnock et al.  
 2020/0286291 A1 9/2020 Ebert  
 2020/0288111 A1 9/2020 Sheng  
 2020/0357189 A1 11/2020 Godzaridis  
 2020/0372697 A1 11/2020 Mange  
 2020/0400954 A1 12/2020 Tanaka et al.  
 2020/0409531 A1 12/2020 Nankani  
 2020/0410745 A1 12/2020 Matsunobu et al.  
 2021/0049190 A1 2/2021 Alberg et al.  
 2021/0081386 A1 3/2021 Daga et al.  
 2021/0104066 A1 4/2021 Haeusler  
 2021/0165552 A1 6/2021 Revelsby et al.  
 2021/0191912 A1 6/2021 Lakshminarayan et al.  
 2021/0240735 A1 8/2021 Roytman

OTHER PUBLICATIONS

U.S. Appl. No. 29/718,126, filed Dec. 20, 2019.  
 U.S. Appl. No. 29/718,127, filed Dec. 20, 2019.

\* cited by examiner

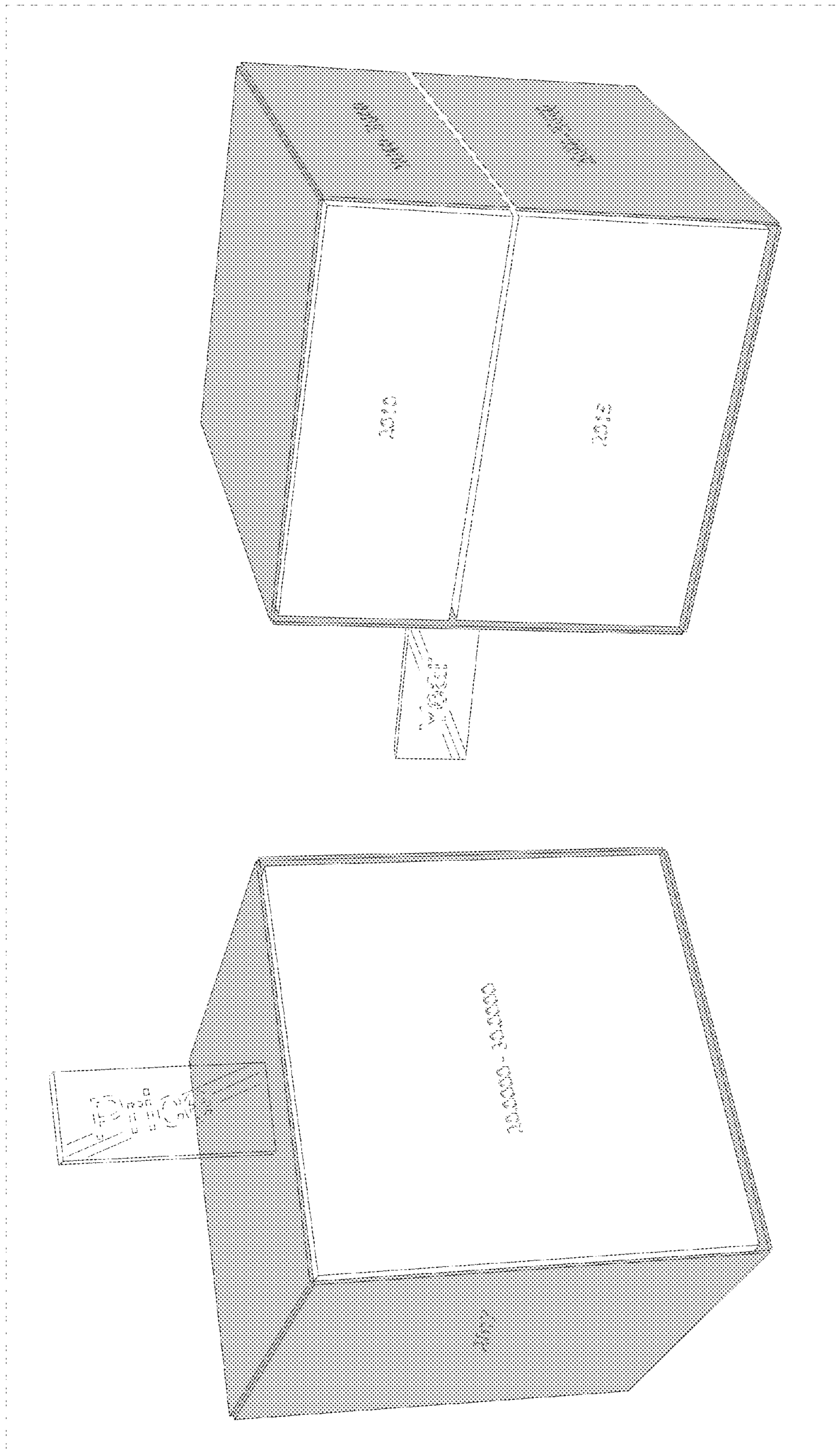


FIG. 1

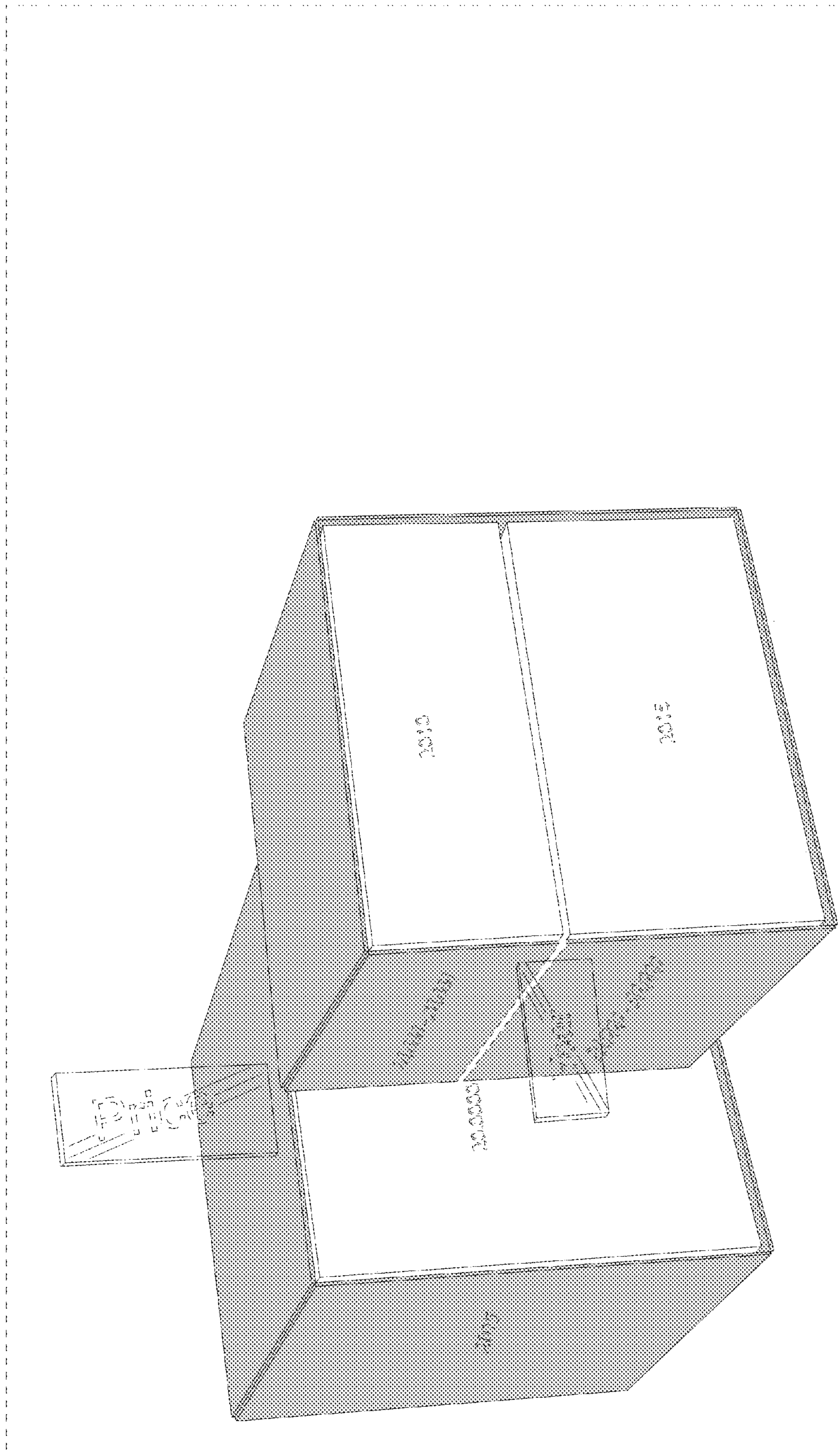


FIG. 2

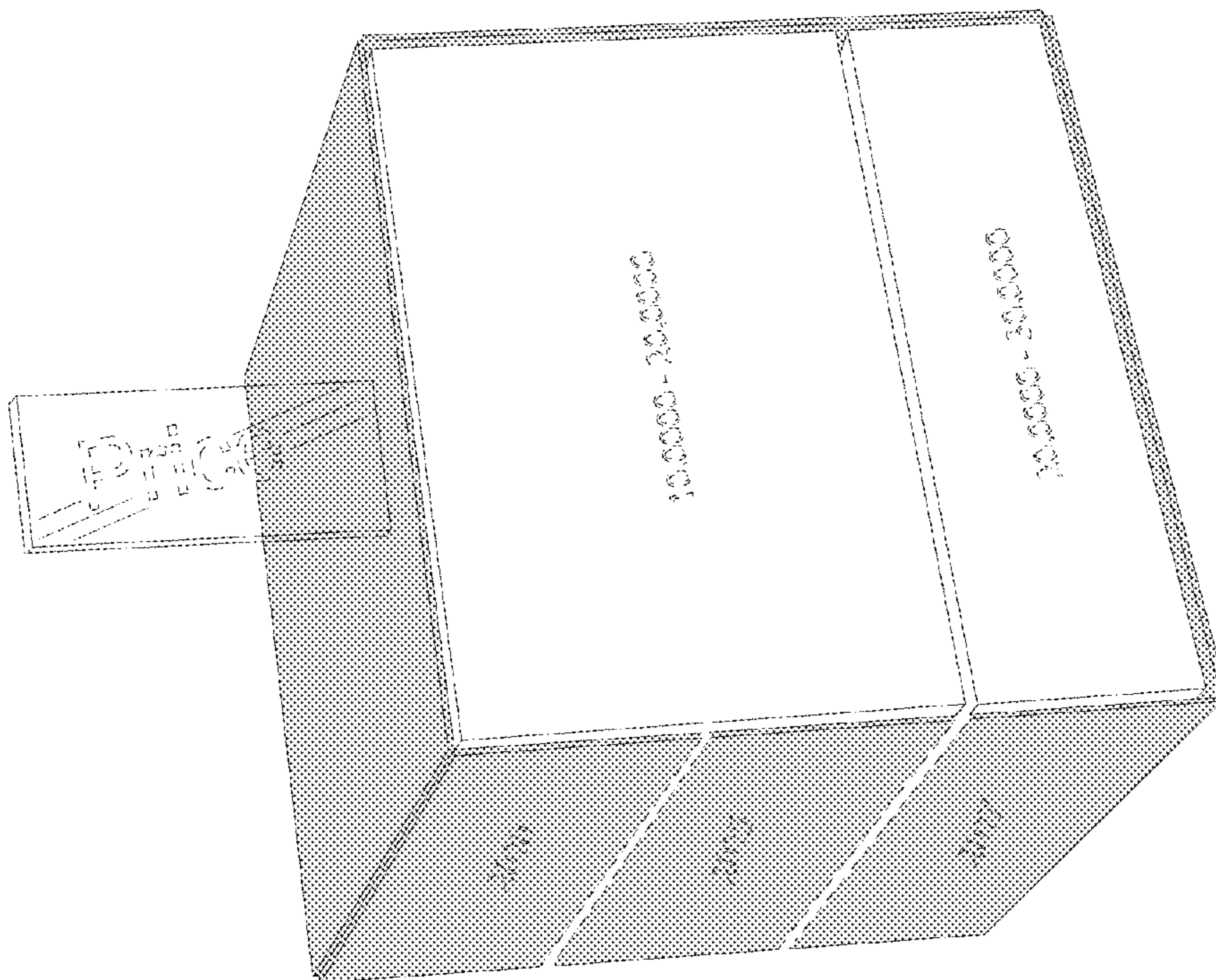


FIG. 3