



US00D857059S

(12) **United States Design Patent** (10) **Patent No.:** **US D857,059 S**
Taylor et al. (45) **Date of Patent:** **** Aug. 20, 2019**

(54) **AVIONICS DISPLAY WITH ICON**

- (71) Applicant: **Rockwell Collins, Inc.**, Cedar Rapids, IA (US)
- (72) Inventors: **Max G. Taylor**, Hiawatha, IA (US); **Shawn M. Spencer**, Cedar Rapids, IA (US); **Jennifer A. Myren**, Marion, IA (US); **Matthew Jacob Cunnien**, Marion, IA (US); **Michael J. Armstrong**, Central City, IA (US); **Peter J. Flugstad**, Marion, IA (US); **Roy Allen Rhodes**, Marion, IA (US); **Ryan J. Olson**, Marion, IA (US); **Scott E. Schultz**, Cedar Rapids, IA (US)
- (73) Assignee: **Rockwell Collins, Inc.**, Cedar Rapids, IA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/655,244**
- (22) Filed: **Jul. 2, 2018**

Related U.S. Application Data

- (62) Division of application No. 29/501,517, filed on Sep. 4, 2014, now Pat. No. Des. 822,060.
- (51) **LOC (12) Cl.** **14-04**
- (52) **U.S. Cl.**
USPC **D14/489**
- (58) **Field of Classification Search**
USPC D14/485-495; D18/24-33; D20/10, 11, D20/22-33, 39, 40; D5/20, 26, 30, 40, D5/63-65

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D29,479 S 10/1898 Barth
 - D263,605 S 3/1982 Zborowsky
- (Continued)

OTHER PUBLICATIONS

Lecture 1—Aerial Photogrammetry, by Virajain, slideshare.net [online], published on Jan. 18, 2014, [retrieved on Sep. 26, 2018], retrieved from the Internet <URL: https://www.slideshare.net/virajain/lecture-1aerial-photogrammetry> (Year: 2014).*

(Continued)

Primary Examiner — Cathron C Brooks
Assistant Examiner — Ian F Whitmore
(74) *Attorney, Agent, or Firm* — Angel N. Gerdzhikov; Donna P. Suchy; Daniel M. Barbieri

(57) **CLAIM**

The ornamental design for the avionics display with icon, as shown and described.

DESCRIPTION

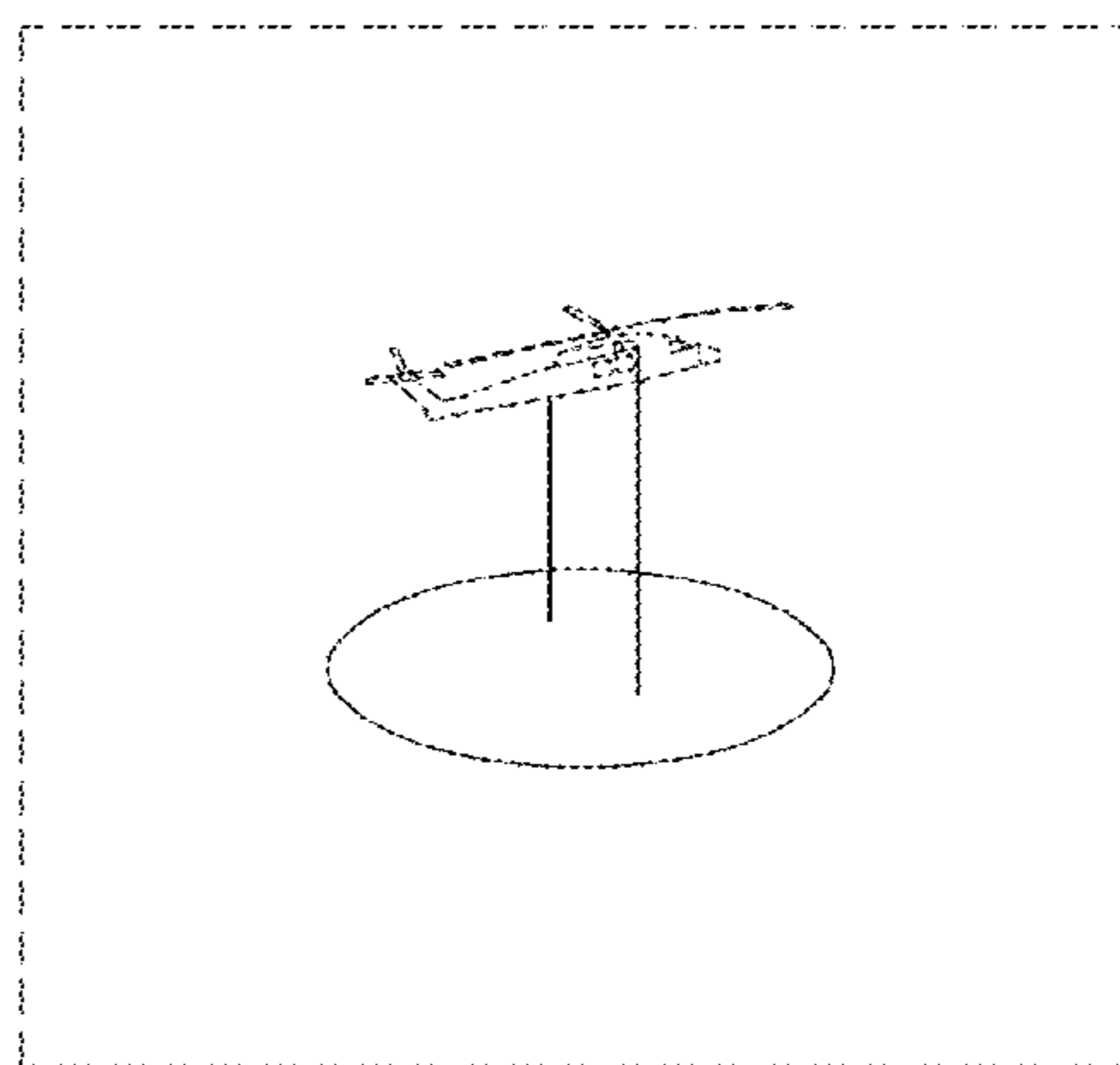
A portion of the disclosure of this patent document contains material subject to copyright protection. The copyright owner has no objection to the facsimile reproduction by anyone of the patent document or the patent disclosure, as it appears in the Patent and Trademark Office patent file or records, but otherwise reserves all copyright rights whatsoever.

FIG. 1 is a front view of a portion of an avionics display with icon showing the claimed design; and, FIG. 2 is a front view thereof, showing the solid line of the claimed design isolated from the broken-line depiction of a graphical user interface, for clarity of disclosure.

The outermost broken-line rectangle illustrates a portion of an avionics display and forms no part of the claimed design. The remaining broken lines illustrate portions of a graphical use interface and form no part of the claimed design.

The claimed design for an “avionics display with icon” is used as a visual instrument interface for assisting spatial awareness of loading and unloading position, and the position of other aircraft.

1 Claim, 2 Drawing Sheets



© Rockwell Collins, Inc.

(58) **Field of Classification Search**

CPC G06F 3/048-3/04897; G06F 17/50; G06F 3/033; G06F 17/30061; A63F 2300/66; A63F 2300/8082; H04L 29/08684; G01C 21/36

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,415,549 A 5/1995 Logg
 5,425,109 A * 6/1995 Saga G06F 3/04845
 345/441
 5,490,241 A 2/1996 Mallgren et al.
 D406,263 S 3/1999 Wilsher
 D432,100 S 10/2000 Zink et al.
 6,184,860 B1 2/2001 Yamakawa
 D448,422 S 9/2001 Fredriksson
 6,334,211 B1 * 12/2001 Kojima G06F 8/34
 717/128
 D459,362 S 6/2002 Platz et al.
 D466,904 S 12/2002 McIntosh
 6,657,627 B1 12/2003 Wada et al.
 D547,365 S 7/2007 Reyes et al.
 D568,336 S 5/2008 Miglietta et al.
 D580,947 S 11/2008 Onai et al.
 7,516,416 B2 * 4/2009 Viswanathan A61B 6/548
 715/769
 D598,029 S 8/2009 Lara et al.
 D601,571 S 10/2009 Vu et al.
 D602,031 S * 10/2009 Vu D14/485
 D625,318 S 10/2010 Jasinski
 D644,241 S 8/2011 Lemay
 D647,128 S 10/2011 Lewis et al.
 D652,842 S 1/2012 Obama et al.
 D664,150 S 7/2012 Boyer et al.
 D667,429 S 9/2012 Wujcik et al.
 D669,088 S * 10/2012 Boyer D14/486
 D681,668 S 5/2013 Phelan
 D703,692 S 4/2014 Phelan
 8,803,727 B2 8/2014 Muensterer et al.
 8,826,113 B2 * 9/2014 Ludwig G06F 17/246
 715/212
 D726,758 S 4/2015 Bourret et al.
 D727,335 S 4/2015 Allison et al.
 D729,819 S 5/2015 Beaty
 D758,395 S 6/2016 Gutierrez et al.
 D758,434 S 6/2016 Lee et al.
 D759,698 S 6/2016 Kirsch et al.
 D760,234 S 6/2016 Aoshima
 D761,313 S * 7/2016 Quinn D14/492
 D761,808 S * 7/2016 Quinn D14/485
 D761,834 S 7/2016 Debitsch et al.
 D763,301 S 8/2016 Murillo et al.
 D766,321 S 9/2016 Han et al.
 D768,184 S 10/2016 Mariet et al.
 D770,522 S 11/2016 Crone et al.
 D772,267 S 11/2016 Tanabe et al.
 D772,289 S 11/2016 Dzijind et al.
 D775,199 S 12/2016 Vulk et al.
 D778,949 S 2/2017 Han et al.
 D781,914 S 3/2017 Willis
 D782,502 S 3/2017 Wu
 D782,505 S * 3/2017 Miao D14/485
 D782,515 S 3/2017 Dzijind et al.
 D783,676 S 4/2017 Kim et al.
 D784,399 S 4/2017 Herrera et al.
 D792,894 S 7/2017 Dzijind et al.
 D794,649 S 8/2017 Niijima et al.
 D799,541 S * 10/2017 Greff D14/490
 D812,077 S 3/2018 Watanabe
 D815,665 S 4/2018 Li et al.
 D816,703 S 5/2018 Willis et al.
 D819,074 S * 5/2018 Chow D14/489
 D820,305 S 6/2018 Clediere
 D822,057 S 7/2018 Kim et al.
 D822,060 S * 7/2018 Taylor D14/492

D824,932 S 8/2018 Joensson et al.
 D842,335 S * 3/2019 Taylor D14/489
 D844,022 S * 3/2019 Amin D14/487
 2004/0056859 A1 3/2004 Ohba et al.
 2004/0183697 A1 9/2004 Rogers et al.
 2006/0112335 A1 5/2006 Hofmeister et al.
 2007/0182590 A1 8/2007 Younkin
 2007/0222665 A1 9/2007 Koeneman
 2008/0036776 A1 * 2/2008 Niles G06F 3/04815
 345/474
 2008/0040024 A1 2/2008 Silva
 2008/0111814 A1 5/2008 Sengamedu et al.
 2008/0180406 A1 7/2008 Plan et al.
 2008/0295037 A1 * 11/2008 Cao G06F 3/0482
 715/852
 2009/0278850 A1 * 11/2009 Shinkawa A63F 13/10
 345/442
 2010/0001998 A1 1/2010 Mandella et al.
 2010/0013860 A1 * 1/2010 Mandella G01B 21/04
 345/650
 2010/0090968 A1 4/2010 Lee et al.
 2010/0194746 A1 8/2010 Barbina et al.
 2010/0204953 A1 8/2010 Onishi et al.
 2012/0151394 A1 6/2012 Locke
 2012/0313946 A1 12/2012 Nakamura et al.
 2013/0167001 A1 6/2013 De Angelis et al.
 2013/0229391 A1 * 9/2013 DiVerdi G06F 3/0488
 345/179
 2013/0325316 A1 12/2013 Vos et al.
 2014/0024365 A1 1/2014 Mitchell
 2014/0081484 A1 3/2014 Covington et al.
 2014/0324253 A1 10/2014 Duggan et al.
 2015/0015481 A1 1/2015 Li
 2015/0020020 A1 * 1/2015 White G06F 3/0482
 715/783
 2015/0177957 A1 6/2015 Bae et al.
 2017/0020301 A1 1/2017 Woolfson et al.
 2017/0097762 A1 * 4/2017 Sugano G06F 3/04883
 2018/0033195 A1 * 2/2018 Nagano G06F 3/0487
 2018/0095645 A1 * 4/2018 Subudhi G06F 3/04845

OTHER PUBLICATIONS

Helpful Settings for Plotting 3D Solids in AutoCAD, autocadtips1.com [online], published on Jun. 19, 2014, [retrieved on Sep. 28, 2018], retrieved from the Internet <URL: <https://autocadtips1.com/2014/06/19/helpful-settings-for-plotting-3d-solids-in-autocad/>> (Year: 2014).*

Adaptive Control System for Autonomous Helicopter Slung Load Operations, by Bisgaard et al., sciencedirect.com [online], published on 2010-07-00, [retrieved on Feb. 7, 2018], retrieved from the Internet <URL: <https://www.sciencedirect.com/science/article/pii/S09670666110000341>> (Year: 2010).

Azimuth, maryrosaries.com [online], published Oct. 27, 2010, [retrieved Oct. 17, 2017], retrieved from the Internet <URL: http://www.maryrosaries.com/collaboration/index.php?title=File:Azimuth_003.svg.png>.

Geocentric Coordinates, by Mercator, wikipedia.org [online], published Dec. 18, 2011, [retrieved Oct. 17, 2017], retrieved from the Internet <URL: https://en.wikipedia.org/wiki/File:Geocentric_coordinates.svg>.

Symbol Sourcebook, by Dreyfuss, Van Nostrand Reinhold Company, Inc., New York, NY © 1972, p. 26-27.

Understanding Gyroscopes, by Van Belle, readingfeynman.org [online], published Jun. 9, 2014, [retrieved Oct. 16, 2017], retrieved from the Internet <URL: <https://readingfeynman.org/tag/rotational-motion/>>.

3D Helicopter Parking Simulator Games, 148apps.com [online], published on May 11, 2014, [retrieved on Feb. 7, 2018], retrieved from the Internet <URL: <http://www.148apps.com/app/859930514/>> (Year: 2014).

Trademark Registration Serial No. 72358041, May 1, 1966 (first use date), (Registrant) Liberty Plastics & Metals Corporation, Kentucky, Trademark Electronic Service System (TEES), 1966.

(56)

References Cited

OTHER PUBLICATIONS

Trademark Registration Serial. No. 77758821, Aug. 31, 2007 (first use date), (Registrant) Women's Leadership Exchange LLC, New York, Trademark Electronic Service System (TEES), 2007.

Trademark Registration Serial. No. 78066750, Apr. 23, 2002 (first use date), (Registrant) Espinosa, Christopher Thomas, Texas, Trademark Electronic Service System (TEES), 2002.

Trademark Registration Serial. No. 72163407, Jan. 10, 1963 (first use date), (Registrant) Rocket Power Inc., Arizona, Trademark Electronic Service System (TEES), 1963.

Trademark Registration Serial. No. 71008670, Apr. 29, 1874 (first use date), (Registrant) Baldwins, Limited Corporation, Great Britain, Trademark Electronic Service System (TEES), 1874.

Trademark Registration Serial No. 73634879, Oct. 15, 1986 (first use date), (Registrant) Tai First Enterprises, Ltd, Taiwan, Trademark Electronic Service System (TEES), 1986.

Human Characters, iconswebsite.com [online], published on Mar. 24, 2012, [retrieved on Sep. 26, 2018], retrieved from the Internet <http://iconswebsite.com/shutterstock-image/seo-3d-little-human-characters-x-4-with-parachutes-and-tablet-pad-computers-landing-on-target-people-series-98375066.html>, 2012.

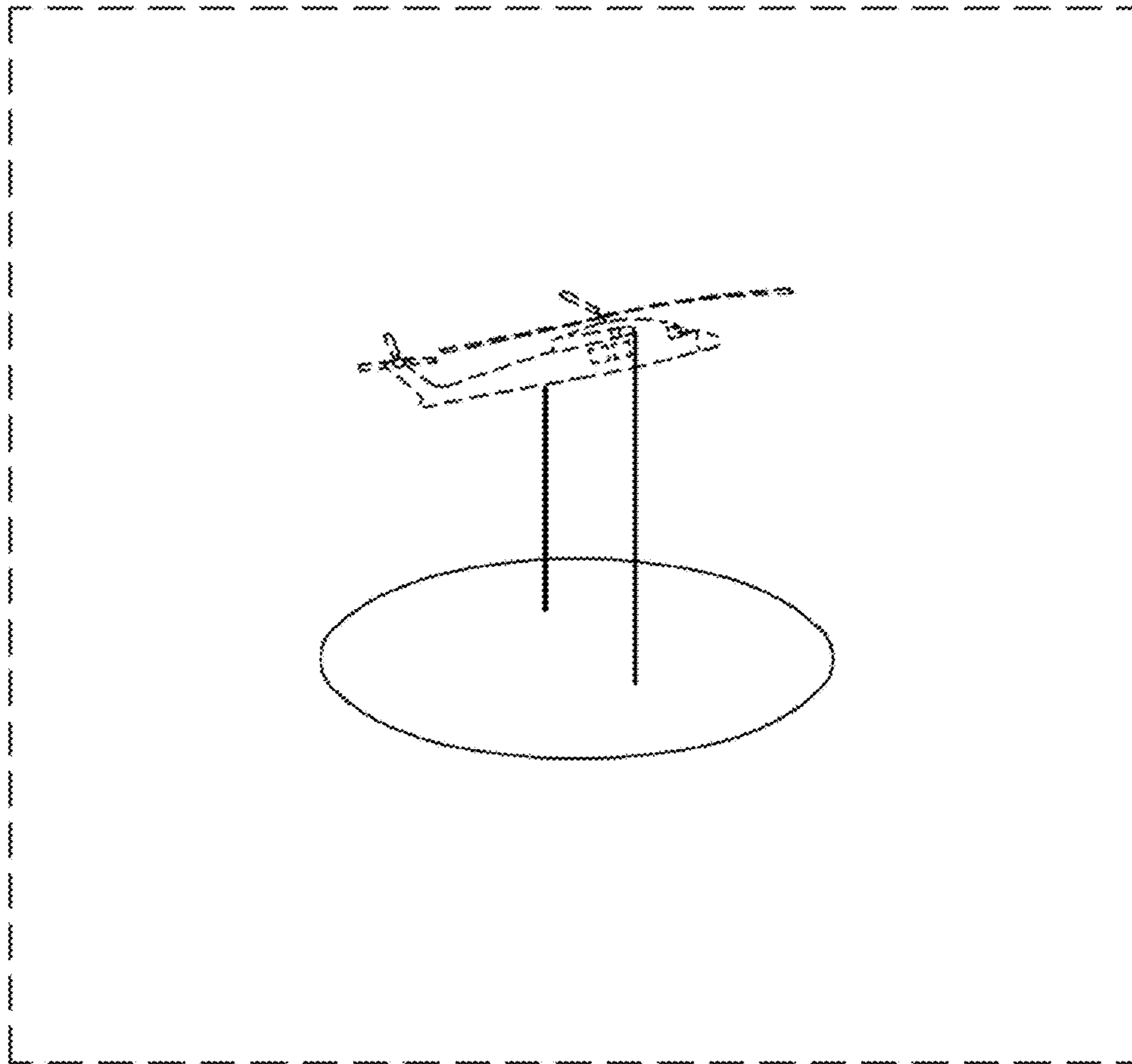
Simple Shape Icons, iconswebsite.com [online], published on Nov. 8, 2006, [retrieved on Sep. 27, 2018], retrieved from the internet <http://iconswebsite.com/shutterstock-image/simple-shape-icons-light-version-2135935.html>, 2006.

Black and White Vector Illustration of Parachutist, iconswebsite.com [online], published on Apr. 18, 2013, [retrieved on Sep. 27, 2018], retrieved from the internet <http://iconswebsite.com/shutterstock-image/black-and-white-vector-illustration-of-parachutist-135520616.html>, 2013.

Messaging Link Icon, by Icons8, iconarchive.com [online], published on Jul. 24, 2014, [retrieved on Sep. 26, 2018], retrieved from the internet <http://www.iconarchive.com/show/ios7-icons-by-icons8/Messaging-Link-icon.html>, 2014.

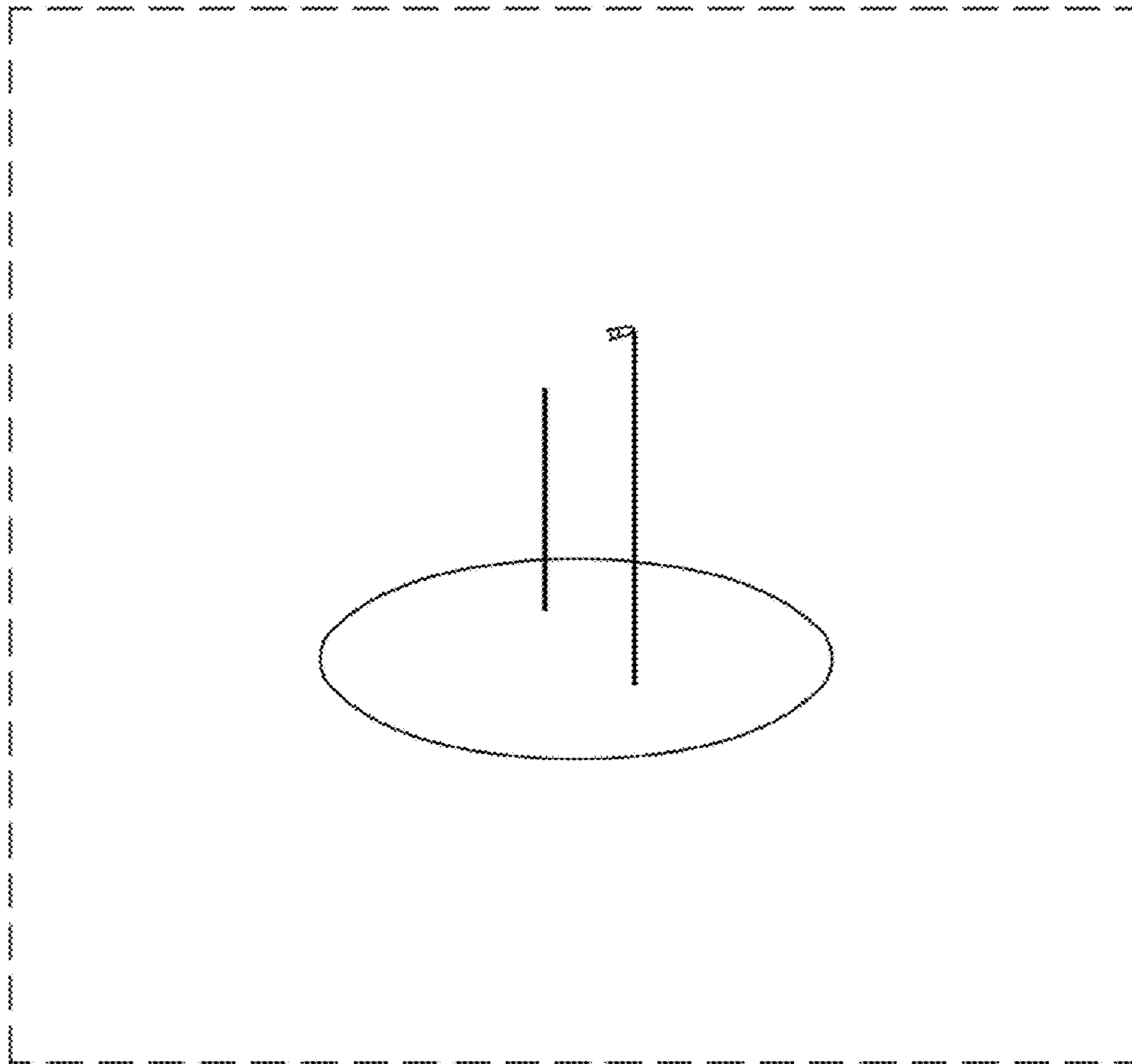
Lecture 1—Aerial Photogrammetry, by Virajain, slideshare.net [online], published on Jan. 18, 2014, [retrieved on Sep. 26, 2018], retrieved from the internet, <https://www.slideshare.net/virajain/lecture-1aerial-photogrammetry>, 2014.

* cited by examiner



© Rockwell Collins, Inc.

FIG. 1



© Rockwell Collins, Inc.

FIG. 2