

#### US00D699618S

# (12) United States Design Patent

## Gudlewski et al.

# (10) Patent No.: US D699,618 S

## (45) Date of Patent: \*\* \*Feb. 18, 2014

# (54) SURFACE ORNAMENTATION FOR A DIAMOND

- (75) Inventors: Benjamin Gudlewski, Carlsbad, CA
  - (US); Al Gilbertson, Murrieta, CA (US)
- (73) Assignee: California Institute of Technology,

Pasadena, CA (US)

(\*) Notice: This patent is subject to a terminal dis-

claimer.

- (\*\*) Term: 14 Years
- (21) Appl. No.: 29/377,654
- (22) Filed: Oct. 25, 2010
- (52) **U.S. Cl.**

USPC ...... **D11/90** 

#### (58) Field of Classification Search

USPC ...... D11/1–2, 26–29, 89–92; 63/26–28, 32 See application file for complete search history.

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

10/1892	Jacobson
10/1902	Wood
12/1902	Scherck
10/1920	Doner
5/1937	Evanda
1/1941	Brodovitch
6/1950	Mukai
6/1977	Rogell
1/1984	Hakoune
3/1989	Normann
9/1991	Hoffman
3/1997	Nakama
10/1999	Shannon
1/2002	Cheng
11/2003	Samuels
	10/1902 12/1902 10/1920 5/1937 1/1941 6/1950 6/1977 1/1984 3/1989 9/1991 3/1997 10/1999

D526,237	S		8/2006	Yuan	
D539,185	S		3/2007	Davidi	
D544,807	S	*	6/2007	Yuan	D11/90
D563,822	S		3/2008	Yuan	
D567,705	S		4/2008	Yuan	
D569,757	S	*	5/2008	Abel	D11/90
(Continued)					

#### FOREIGN PATENT DOCUMENTS

DE 92 07 571 U1 8/1992 EP 0 648 445 A1 4/1995

(Continued)

#### OTHER PUBLICATIONS

International Search Report and Written Opinion for International Application No. PCT/US2006/046719 mailed on Mar. 30, 2007 in 14 pages.

#### (Continued)

Primary Examiner — Ralf Seifert

(74) Attorney, Agent, or Firm — Knobbe, Martens, Olson & Bear, LLP

#### (57) CLAIM

The ornamental design for a surface ornamentation for a diamond, as shown and described.

#### **DESCRIPTION**

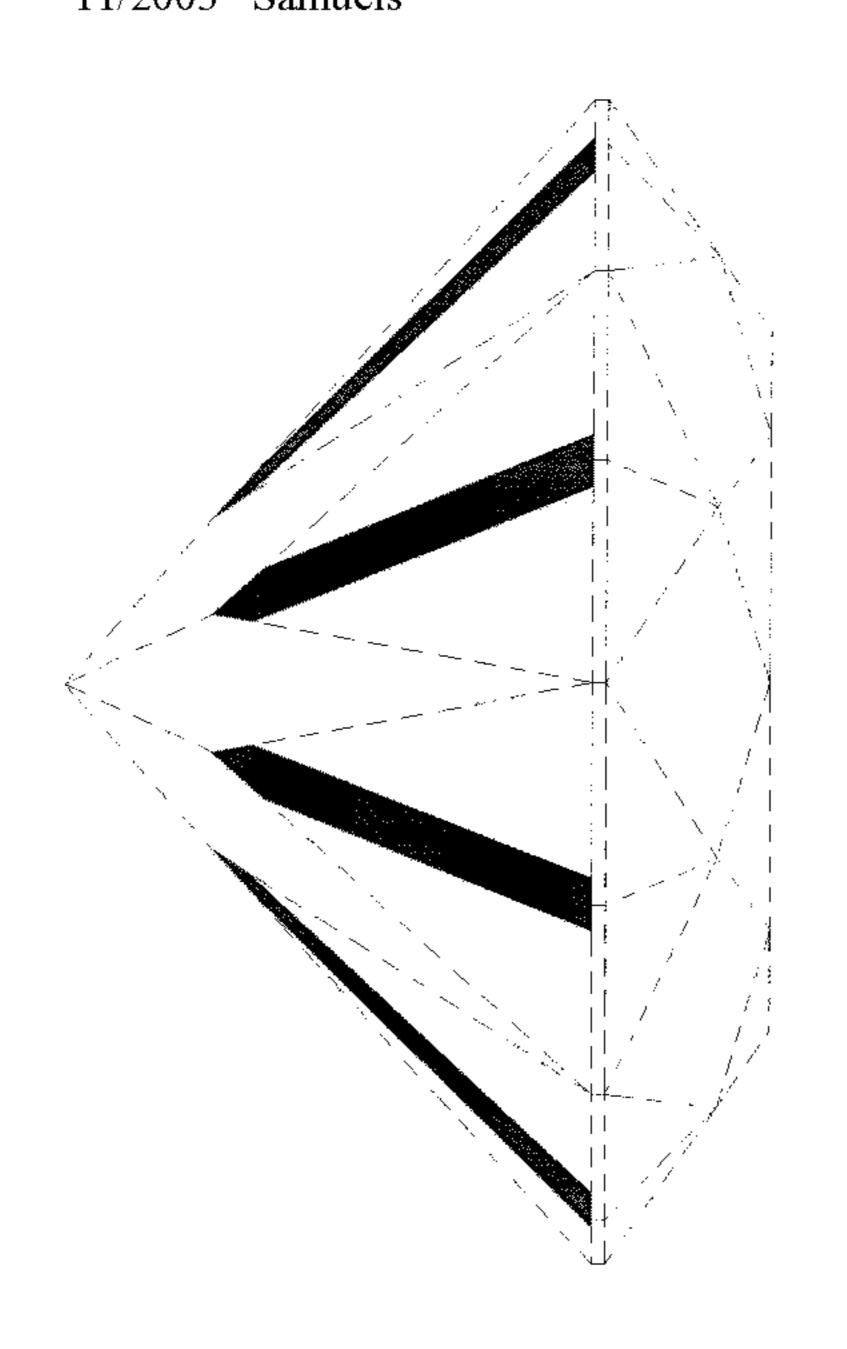
FIG. 1 is a top view of a surface ornamentation for a diamond illustrating a new Design.

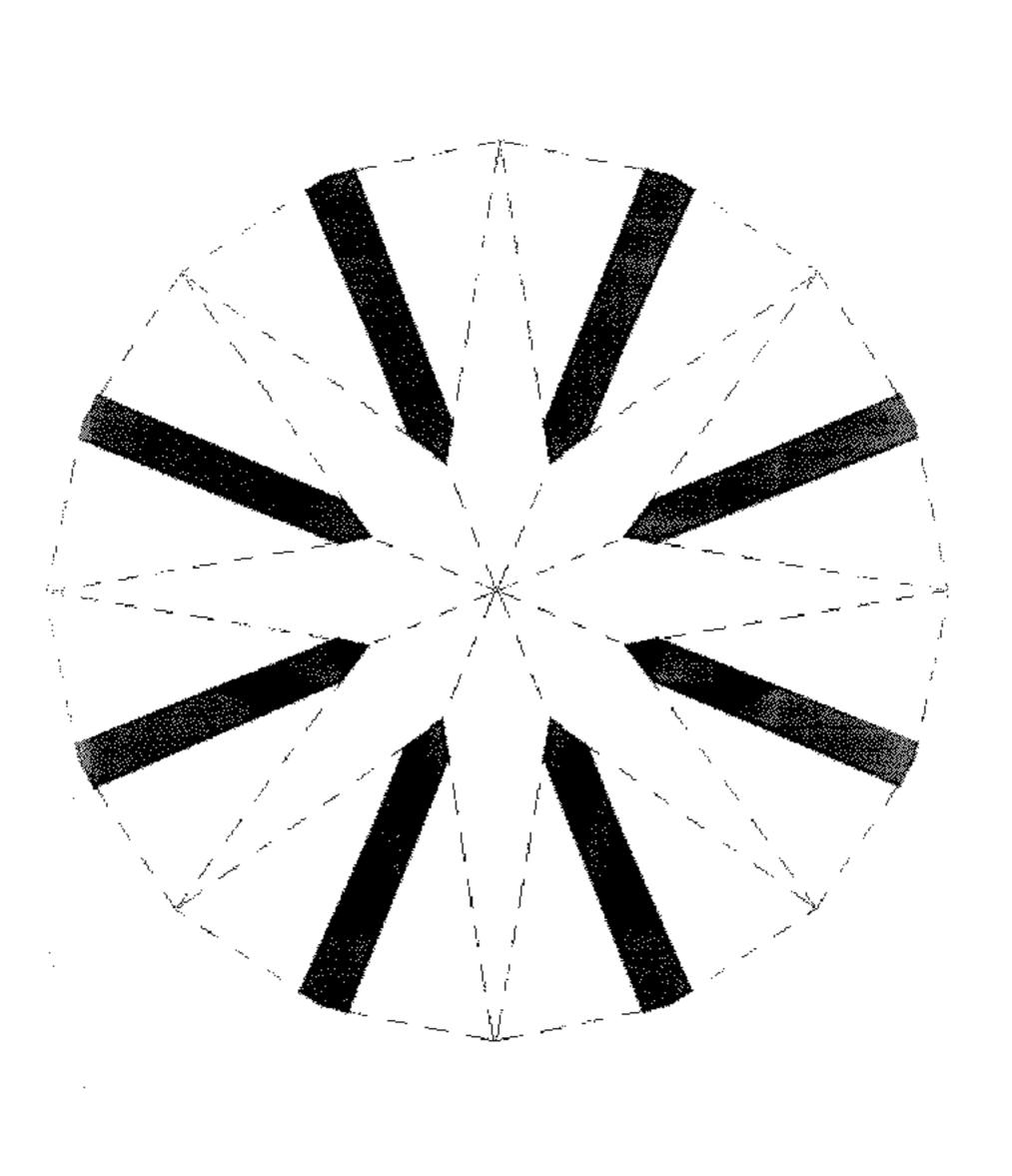
FIG. 2 is a side view of the surface ornamentation for a diamond shown in FIG. 1; and,

FIG. 3 is a bottom view of the surface ornamentation for a diamond shown in FIG. 1.

The broken line showing of gemstone facet edges in FIGS. **1-3** is included for the purpose of illustrating environmental matter and forms no part of the claimed design.

### 1 Claim, 3 Drawing Sheets





#### (56) References Cited

#### U.S. PATENT DOCUMENTS

D584,987 S *	1/2009	Meyer D11/89
D608,682 S *	* 1/2010	Richter D11/89
8,033,136 B2	10/2011	Maltezos et al.
8,479,538 B2	7/2013	Maltezos et al.
2005/0011225 A1	1/2005	Kearnes et al.
2007/0157667 A1	7/2007	Maltezos
2009/0126402 A1	5/2009	Maltezos et al.
2012/0024010 A1	2/2012	Maltezos et al.

#### FOREIGN PATENT DOCUMENTS

EP	1959780	8/2008
EP	2289361	3/2011
GB	2 332 651 A	6/1999
JP	62-041605	2/1987
KR	10-2001-01059 36	4/2000
KR	10-1999-0080103	11/2001
LU	67 421 A	6/1973
WO	WO 02/066263 A	5/1937
WO	WO 02/31474 A	4/2002
WO	WO 2007/067696	6/2007
WO	WO 2010/003600	1/2010

#### OTHER PUBLICATIONS

Office Action issued on Oct. 17, 2008 in connection with European Application No. 06 844 964.4-2307, filed on December 6, 2006.

Restriction Requirement issued on Jun. 16, 2009 in connection with U.S Appl. No. 11/635,386, filed on Dec. 6, 2006.

Written Opinion of the International Search Authority for International Application No. PCT/US2006/046719 mailed on Jun. 19, 2009 in 12 pages.

Response to Restriction Requirement filed Jul. 16, 2009 in connection with U.S. Appl. No. 11/635,386, filed on Dec. 6, 2006.

International Search Report and Written Opinion for International Application No. PCT/US2008/085078 mailed on Jul. 17, 2009 in 8 pages.

Office Action issued on Aug. 28, 2009 in connection with U.S. Appl. No. 11/635,386, filed on Dec. 6, 2006.

Response to Office Action issued filed on Jan. 28, 2010 in connection with U.S. Appl. No. 11/635,386.

Final Office Action issued on Apr. 5, 2010 in connection with U.S. Appl. No. 11/635,386, filed on Dec. 6, 2006.

Request for Continued Examination and Amendment filed in Response to Final Office Action filed on Oct. 4, 2010 in connection with U.S. Appl. No. 11/635,386, filed on Dec. 6, 2006.

Office Action issued on Nov. 5, 2010, in connection with U.S. Appl. No. 11/635,386, filed on Dec. 6, 2006.

Office Action issued in connection with European Application No. 06 844 964.4, filed on Dec. 6, 2006, mailed on Dec. 22, 2010.

Search Report issued in connection with European Application No. 10188178.7, filed on Dec. 6, 2006, mailed on Jan. 31, 2011.

Response to Office Action filed on May 4, 2011 in connection with U.S. Appl. No. 11/635,386.

Notice of Allowance issued Jun. 7, 2011 in connection with U.S. Appl. No. 11/635,386, filed on Dec. 6, 2006.

Office Action issued on Dec. 1, 2011 in connection with International Application No. 10186178.7-2307, filed on Dec. 6, 2006.

Office Action issued on Apr. 10, 2012 in connection with U.S. Appl. No. 13/253,678, filed on Oct. 5, 2011.

Response to Office Action filed on Jul. 10, 2012 in connection with U.S. Appl. No. 13/253,678.

Office Action issued on Aug. 13, 2012 in connection with U.S. Appl. No. 13/253,678, filed on Oct. 5, 2011.

Response to Office Action filed on Jan. 14, 2013 in connection with U.S. Appl. No. 13/253,678.

Terminal Disclaimer to Obviate a Double Patenting Rejection Over a "Prior" Patent filed on Jan. 14, 2013 in connection with U.S. Appl. No. 13/253,678, filed on Oct. 5, 2011.

Notice of Allowance issued Mar. 11, 2013 in connection with U.S. Appl. No. 11/253,678, filed on Oct. 5, 2011.

Notice of Allowance issued in connection with U.S. Appl. No. 29/425,970, filed on Jun. 28, 2012.

Bragg, W. L., "The Diffraction of Short Electromagnetic Waves by a Crystal," Proceedings of the Cambridge Philosophical Society, vol. XVII, Oct. 28, 1912-May 18, 1914, Cover Page and pp. 43-57.

Kunz, G.F., "Precious Stones, Mineral Resources of the United States," Government Printing Office 1888, Cover Pages, Table of Contents in 2 Pages, and pp. 555-571.

Moses, T.M. et al., "A Foundation for Grading the Overall Cut Quality of Round Brilliant Cut Diamonds," Gems & Gemology, vol. 40, No. 3, Fall 2004, pp. 202-228.

Reinitz, I.M. et al., "Modeling the Appearance of the Round Brilliant Cut Diamond: An Analysis of Fire, and More About Brilliance," Gems & Gemology, vol. 37, No. 3, Fall 2001, pp. 174-197.

Wells, O.C. et al., "Automatic Positioning of Device Electrodes Using the Scanning Electron Microscope," IEEE Transactions on Electron Devices, vol. ED-12, No. 10, Oct. 1965, pp. 556-563.

Wolf, E.D. et al., "Electron Beam and Ion Beam Fabricated Microwave Switch," IEEE Transactions on Electron Devices, vol. ED-17, No. 6, Jun. 1970, pp. 446-449.

Gilbertson, et al. "Cutting Diffraction Gratings to Improve Dispersion ("Fire") in Diamonds", Gems & Gemology, vol. 45, No. 4, pp. 260-270.

<sup>\*</sup> cited by examiner

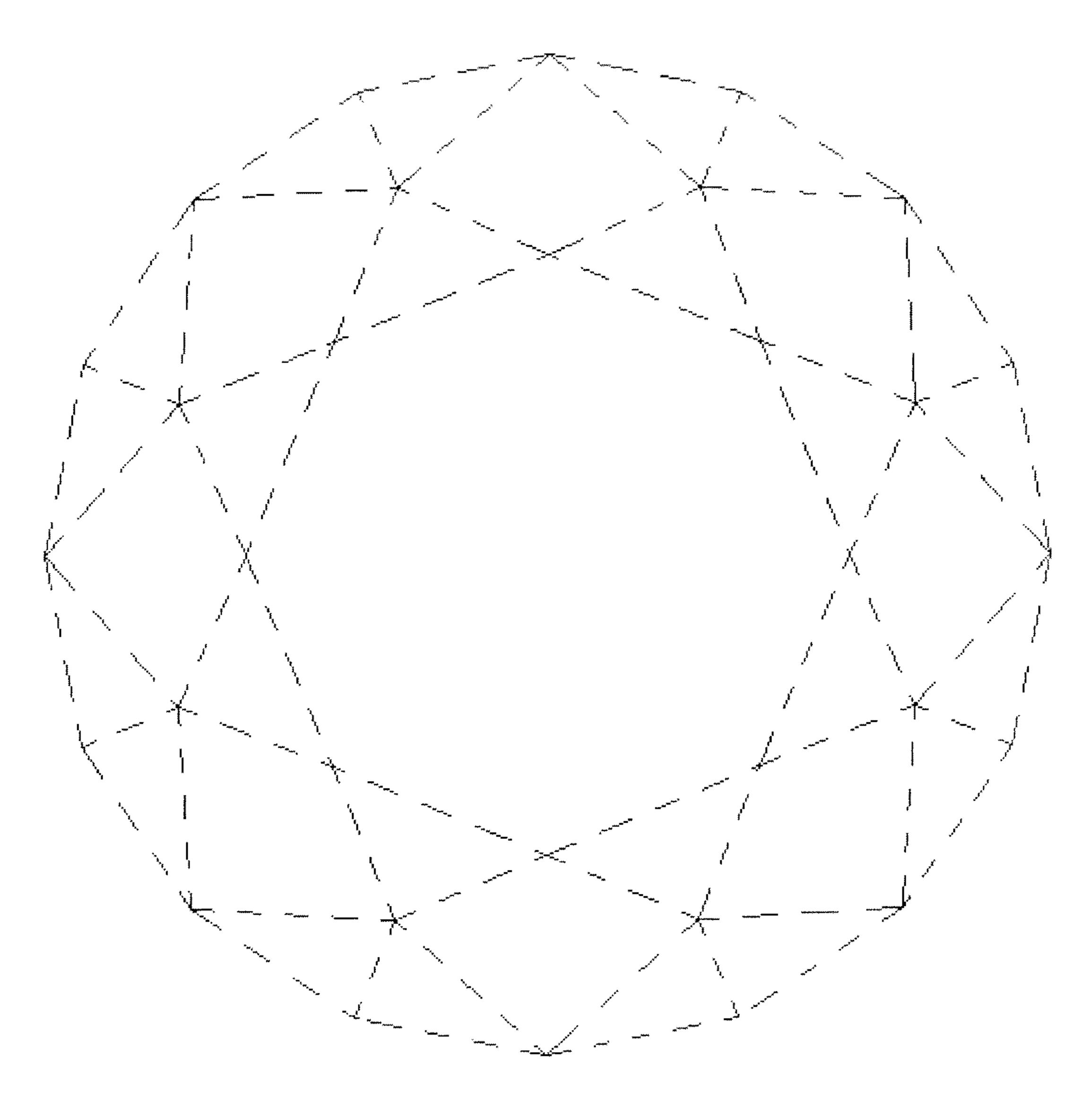


FIG. 1

