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

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(54) **FLOOR PAD**  
(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)  
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2,414,474 A \* 1/1947 March ..... B24D 13/14  
428/215  
2,492,143 A \* 12/1949 Gipple ..... B24D 13/14  
451/532  
2,520,763 A \* 8/1950 Goepfert ..... B24D 7/04  
451/536  
2,682,735 A \* 7/1954 Buckner ..... B24D 13/14  
451/536  
2,768,483 A \* 10/1956 Hurst ..... B24D 13/14  
451/532

(Continued)

**FOREIGN PATENT DOCUMENTS**

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CN 301165546 \* 3/2010  
CN 303028422 \* 12/2014

(Continued)

(\*\*) Term: **15 Years**

**OTHER PUBLICATIONS**

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US 8,152,599, 04/2012, Thysell (withdrawn)

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(51) **LOC (11) Cl.** ..... **07-05**

(52) **U.S. Cl.**

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USPC ..... **D32/40**

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(58) **Field of Classification Search**

USPC ..... D32/39-40

CPC ..... A47L 11/4069; A47L 11/40; A47L 13/00;

A47L 13/10; B24D 13/14; B24D 11/00;

B24B 37/26

(57) **CLAIM**

The ornamental design for a floor pad, as shown and described.

See application file for complete search history.

**DESCRIPTION**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,434,183 A \* 10/1922 Abrahams ..... A47L 13/10  
15/209.1

2,131,309 A \* 9/1938 Bowen ..... B24D 11/001  
15/230.12

2,152,392 A \* 3/1939 Tone ..... B24D 11/00  
451/511

2,175,073 A \* 10/1939 Amstuz ..... B24D 13/14  
428/596

FIG. 1 is an orthogonal view showing the new design for a floor pad.

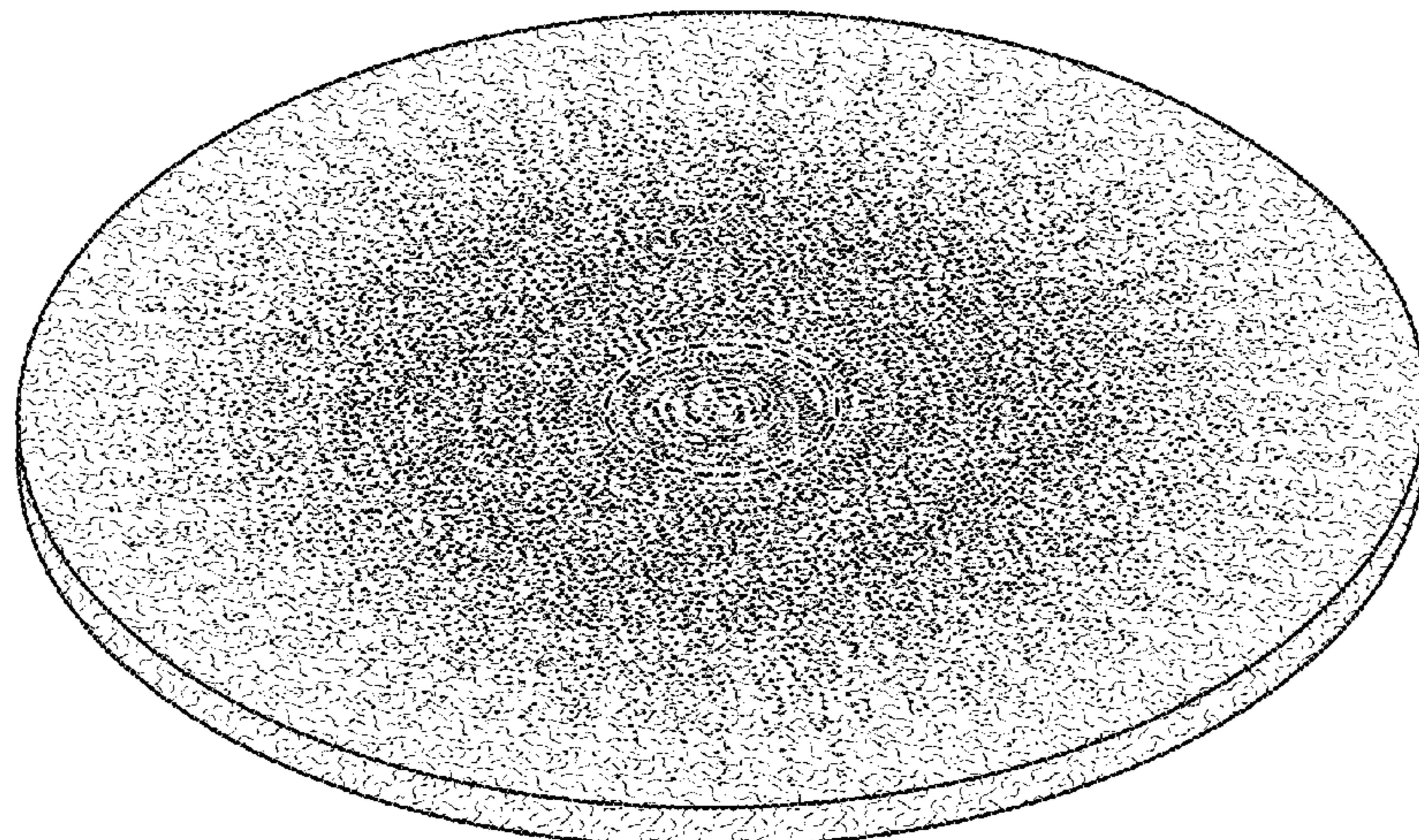
FIG. 2 is a top view thereof;

FIG. 3 is a bottom view thereof; and,

FIG. 4 is a right side profile view thereof; the left side view, front side view and back side view thereof being the same.

The broken lines in the figures represent portions of the floor pad that form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2,804,733 A \* 9/1957 Hurst ..... B24D 11/00  
451/529  
2,907,146 A \* 10/1959 Dyar ..... B24D 11/00  
451/529  
2,958,593 A 11/1960 Hoover  
3,048,482 A \* 8/1962 Hurst ..... B24D 11/00  
51/297  
3,075,222 A \* 1/1963 Miller ..... A47L 11/164  
15/209.1  
D315,236 S \* 3/1991 Kraselsky ..... D32/40  
5,020,283 A \* 6/1991 Tuttle ..... B24B 7/228  
451/527  
5,297,364 A \* 3/1994 Tuttle ..... B24B 7/228  
451/527  
D410,110 S \* 5/1999 Roland ..... D28/7  
6,062,958 A 5/2000 Wright  
6,273,805 B1 \* 8/2001 Sunagawa ..... B24B 13/01  
451/296  
6,454,644 B1 \* 9/2002 Miyazaki ..... B24B 37/245  
451/526  
2002/0173244 A1 \* 11/2002 Sekiya ..... B24B 7/228  
451/41  
2005/0223649 A1 \* 10/2005 O'Gary ..... B24D 3/002  
51/294

2008/0171496 A1 \* 7/2008 Gelfuso ..... B23D 67/06  
451/111  
2010/0075578 A1 \* 3/2010 Chou ..... B24D 11/00  
451/59  
2012/0034853 A1 \* 2/2012 Rivard ..... B24D 9/003  
451/177  
2012/0064809 A1 \* 3/2012 Krause ..... B24D 13/14  
451/526  
2013/0025429 A1 \* 1/2013 Eisenblaetter ..... B24D 9/08  
83/676  
2015/0004889 A1 1/2015 Seth

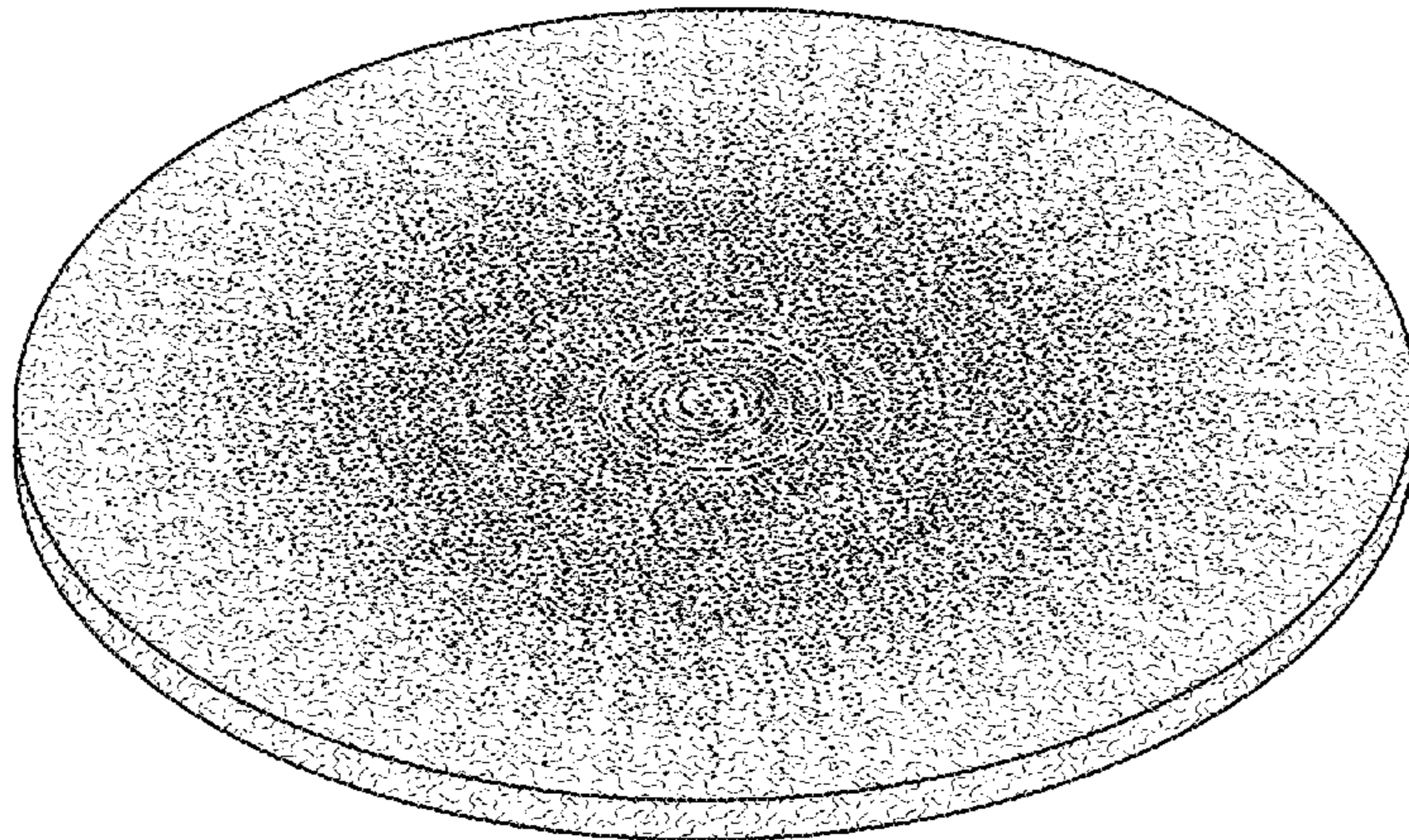
FOREIGN PATENT DOCUMENTS

DE 49910872-0016 \* 9/2001  
KR 300917544.0000 \* 8/2017

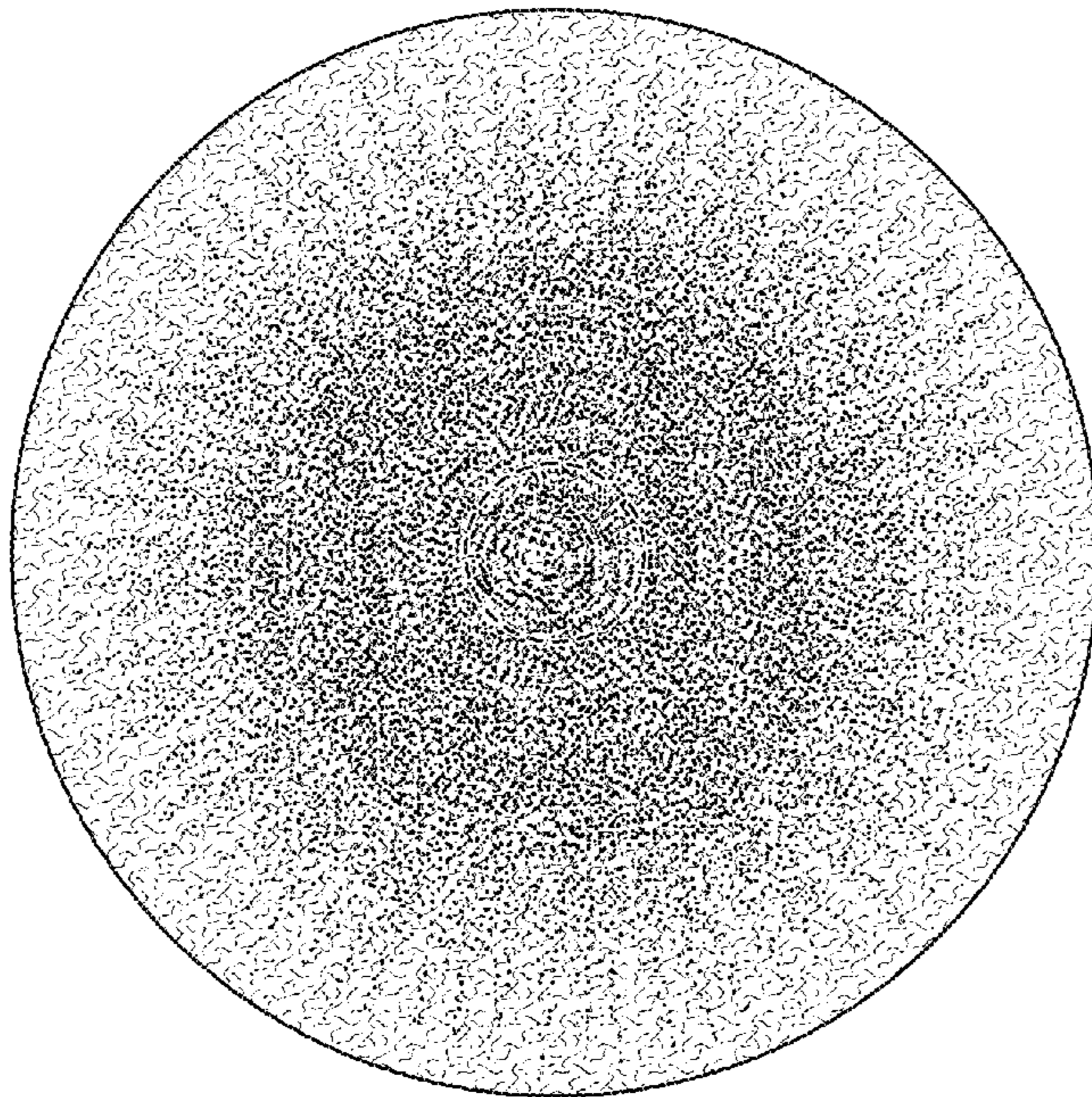
OTHER PUBLICATIONS

NPL Premier Pad floor buffing pad, review date Feb. 10, 2015, site visited Apr. 19, 2018, [https://www.homedepot.com/p/Premiere-Pads-16-in-Dia-Standard-Buffing-Red-Floor-Pad-Case-of-5-BWK4016RED/203176891?MERCH=REC-\\_-PIPHorizontal2\\_rr-\\_-205906923-\\_-203176891-\\_-N.\\*](https://www.homedepot.com/p/Premiere-Pads-16-in-Dia-Standard-Buffing-Red-Floor-Pad-Case-of-5-BWK4016RED/203176891?MERCH=REC-_-PIPHorizontal2_rr-_-205906923-_-203176891-_-N.*)  
ACS Cyclone-D™ Diamond Pads, 1 page.

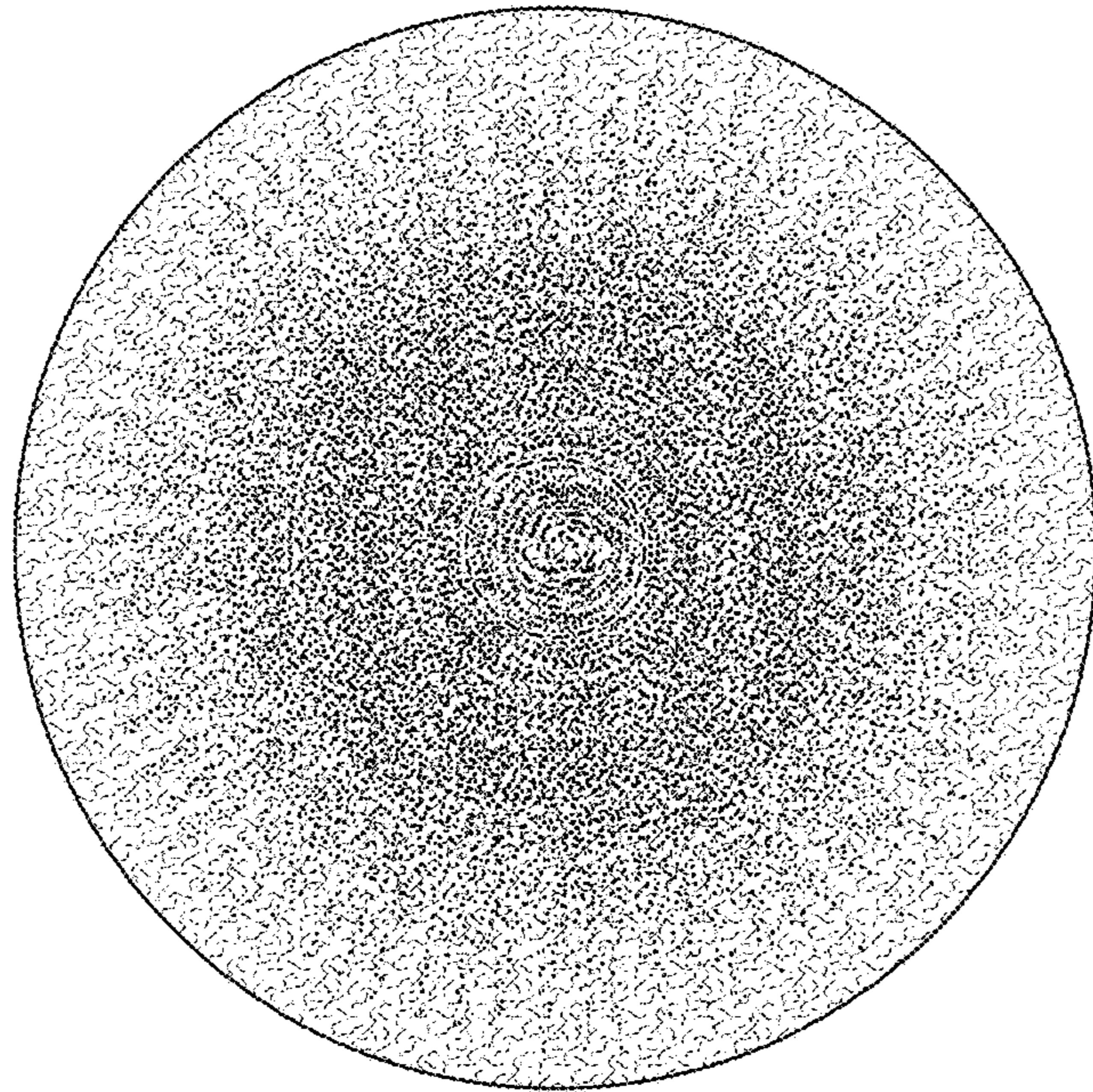
\* cited by examiner



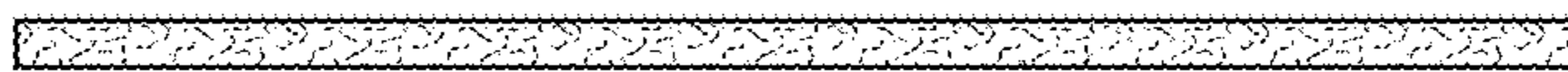
*FIG. 1*



*FIG. 2*



*FIG. 3*



*FIG. 4*