



US00D966719S

(12) **United States Design Patent** (10) **Patent No.:** **US D966,719 S**  
**Winkler et al.** (45) **Date of Patent:** **\*\* Oct. 18, 2022**

(54) **BRUSH SEGMENT FOR DISK BRUSHES FOR MACHINES**

D159,358 S \* 7/1950 McDonald ..... D4/134  
D189,639 S \* 1/1961 Goon ..... D4/134  
3,353,201 A \* 11/1967 Horton ..... A46B 13/008  
15/180

(71) Applicant: **Weber Bürstensysteme GmbH**, Bad Camberg (DE)

(Continued)

(72) Inventors: **Jan Winkler**, Bad Camberg (DE);  
**Florian Schröder**, Niederahr (DE);  
**Ulrich Menken**, Bad Camberg (DE)

FOREIGN PATENT DOCUMENTS

DE 37 11 181 C2 10/1988  
EP 3 231 322 A1 10/2017  
GB 1 449 247 A 9/1976

(73) Assignee: **WEBER BÜRSTENSYSTEME GMBH**, Bad Camberg (DE)

*Primary Examiner* — Rhea Shields

(74) *Attorney, Agent, or Firm* — Christopher C. Dremann, P.C.; Christopher C. Dremann

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

(57) **CLAIM**

(21) Appl. No.: **35/509,868**

The ornamental design for a brush segment for disk brushes for machines, as shown and described.

(22) Filed: **Jan. 23, 2020**

**DESCRIPTION**

(80) **Hague Agreement Data**

Int. Filing Date: **Jan. 23, 2020**  
Int. Reg. No.: **DM/206980**  
Int. Reg. Date: **Jan. 23, 2020**  
Int. Reg. Pub. Date: **Jul. 24, 2020**

The patent or application file contains at least one reproduction executed in color. Copies of this patent or patent application publication with color reproduction(s) will be provided by the Office upon request and payment of the necessary fee.

(51) **LOC (13) Cl.** ..... **04-99**

- 1.1 is a front view;
- 1.2 is a rear view;
- 1.3 is a bottom view;
- 1.4 is a top view;
- 1.5 is a right side view;
- 1.6 is a perspective view; and
- 1.7 is another perspective view.

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

USPC ..... **D4/134**

(58) **Field of Classification Search**

USPC ..... D4/134, 104; D32/74  
CPC ..... A46B 11/06; A46B 9/023; A46B 5/002;  
A46B 9/06; A46B 7/04; A46B 3/14;  
A46B 13/008; A46B 11/063

See application file for complete search history.

- 8.1 is a bottom view; and
- 8.2 is a perspective view.
- 9.1 is a bottom view; and
- 9.2 is a perspective view.
- 10.1 is a bottom view; and
- 10.2 is a perspective view.

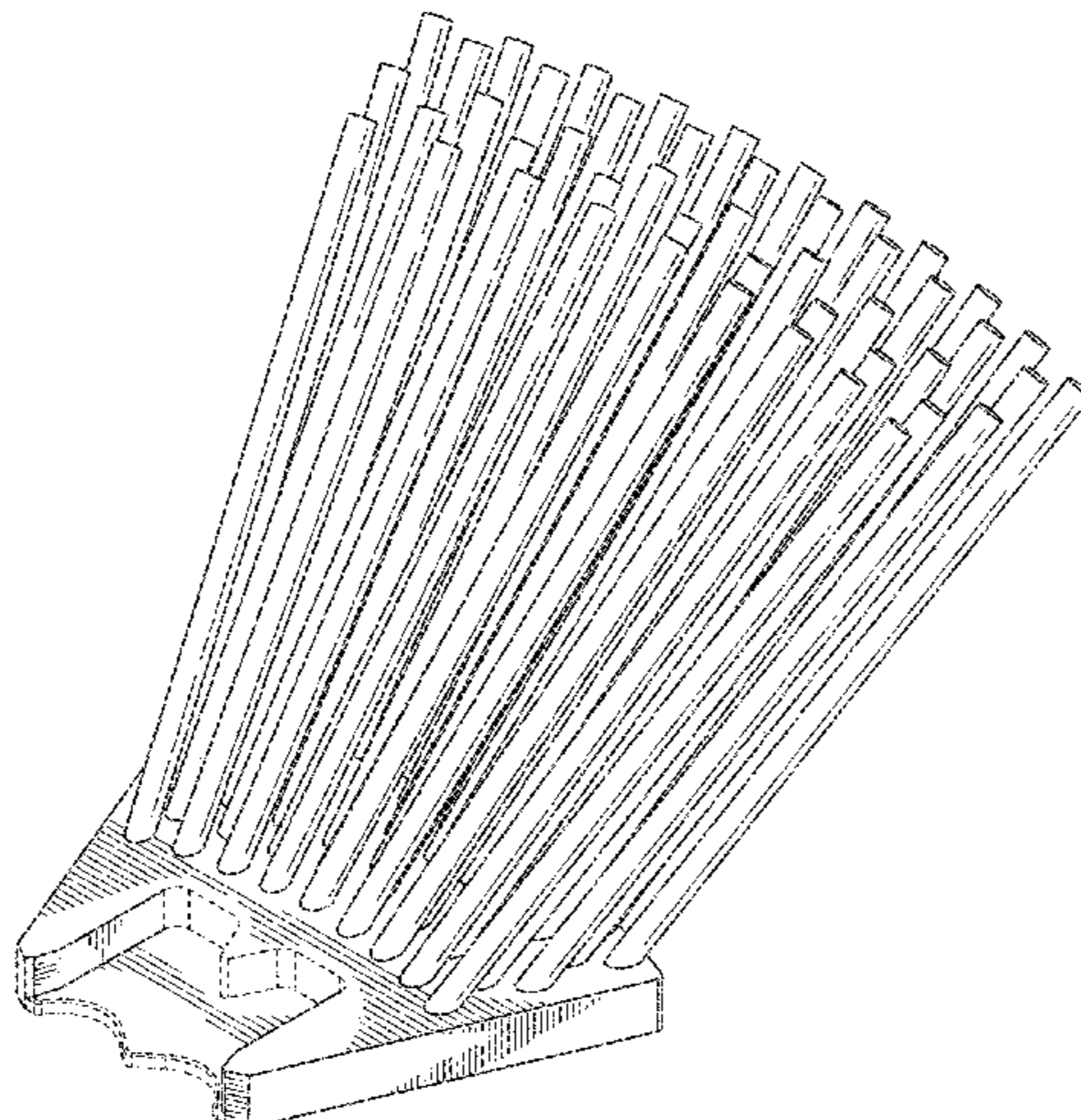
(56) **References Cited**

U.S. PATENT DOCUMENTS

D17,015 S \* 12/1886 Northall ..... D4/134  
1,230,325 A \* 6/1917 Pride ..... A46B 11/063  
401/290  
D140,728 S \* 4/1945 Humphries ..... D4/134

In the reproductions, the broken lines are for the purpose of illustrating portions of the brush segment for disk brushes for machines that form no part of the claimed design.

**1 Claim, 13 Drawing Sheets**  
**(2 of 13 Drawing Sheet(s) Filed in Color)**



(56)

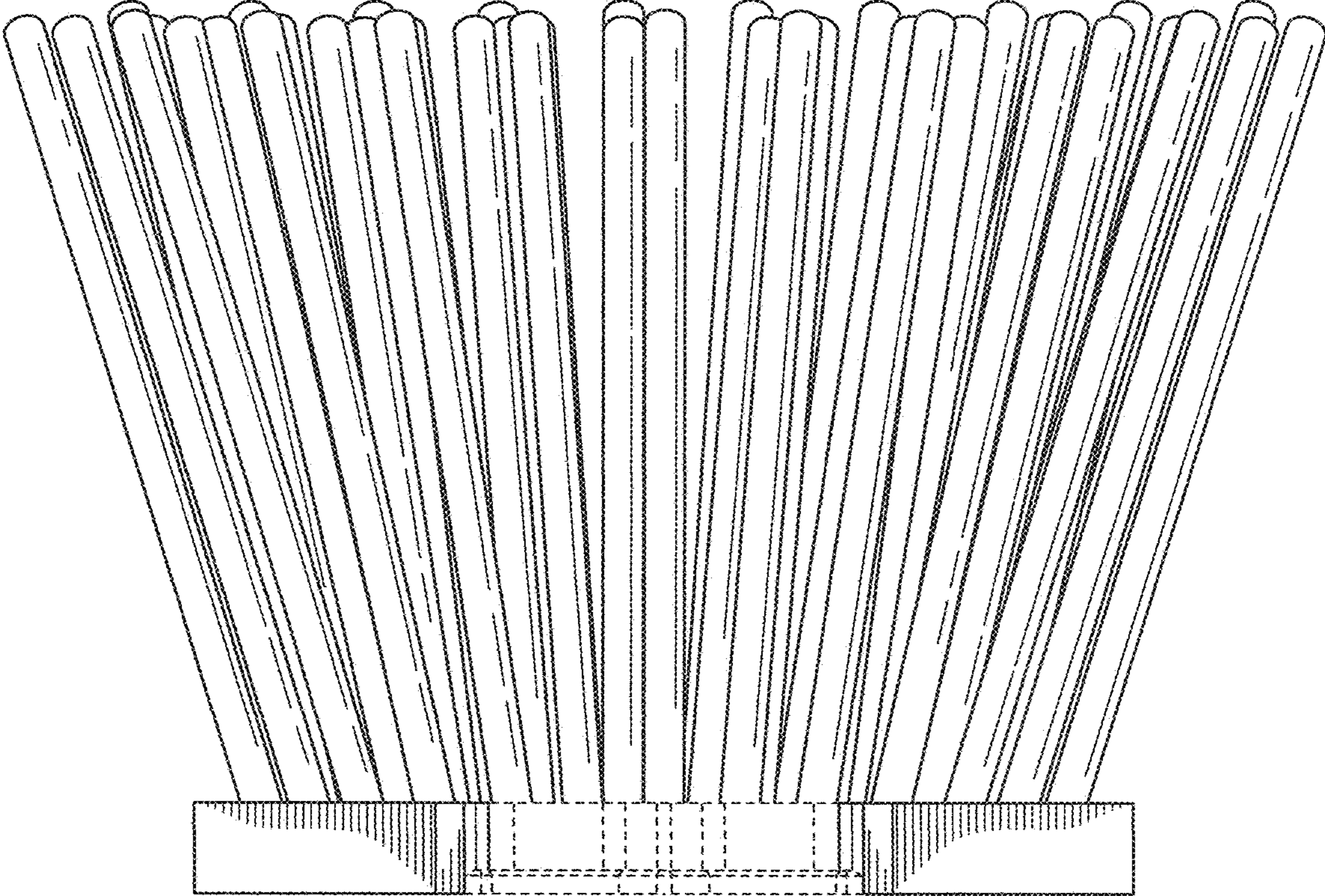
References Cited

U.S. PATENT DOCUMENTS

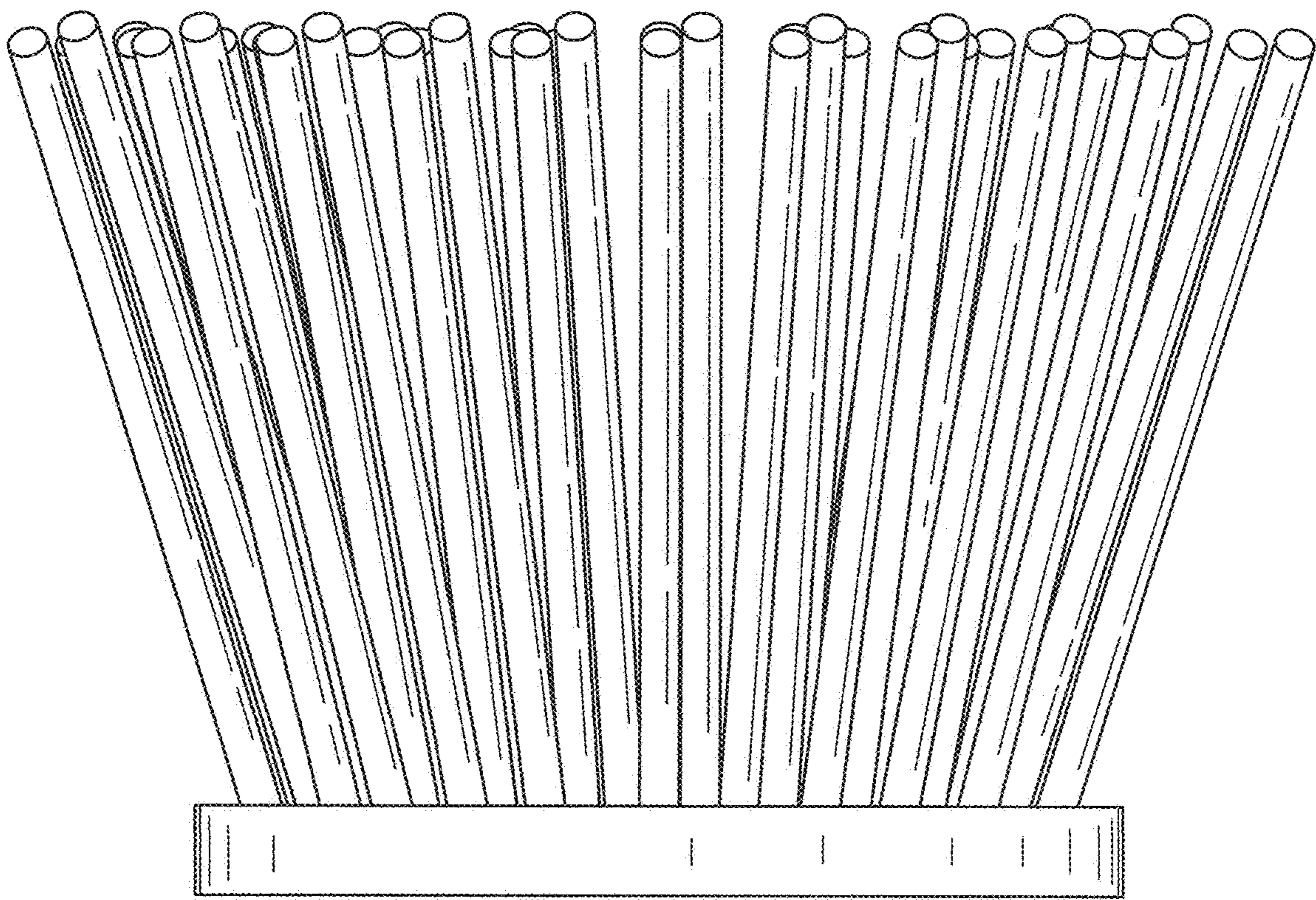
3,678,530 A 7/1972 Horton et al.  
 3,758,908 A \* 9/1973 Maltarp ..... A46B 13/008  
 15/180  
 3,766,589 A 10/1973 Arenas  
 4,236,269 A \* 12/1980 Block ..... A46B 3/14  
 15/180  
 D273,914 S \* 5/1984 Colemore-Williams ..... D4/134  
 4,615,064 A 10/1986 Alvin  
 4,730,361 A \* 3/1988 Koffler ..... A46B 9/023  
 132/120  
 4,765,013 A 8/1988 Lowe  
 4,854,002 A 8/1989 Smith  
 D351,735 S \* 10/1994 Lessman ..... D4/134

5,702,195 A \* 12/1997 Rittenbaum ..... A46B 11/06  
 15/221  
 D433,571 S \* 11/2000 Ancona ..... D32/74  
 7,203,987 B2 \* 4/2007 Kuivikko ..... A46B 7/04  
 15/180  
 D542,542 S \* 5/2007 Williams ..... D4/104  
 7,552,498 B2 \* 6/2009 Welsh ..... A46B 5/002  
 15/143.1  
 D598,203 S \* 8/2009 McNeil ..... D4/134  
 D627,170 S \* 11/2010 Pence ..... D4/134  
 D634,910 S \* 3/2011 Solbjerg ..... D32/74  
 8,621,703 B2 \* 1/2014 Delaere ..... A46B 9/06  
 15/180  
 D850,120 S \* 6/2019 Burton ..... D4/134  
 D886,463 S \* 6/2020 Winter ..... D4/134  
 D898,376 S \* 10/2020 Johnson ..... D4/134

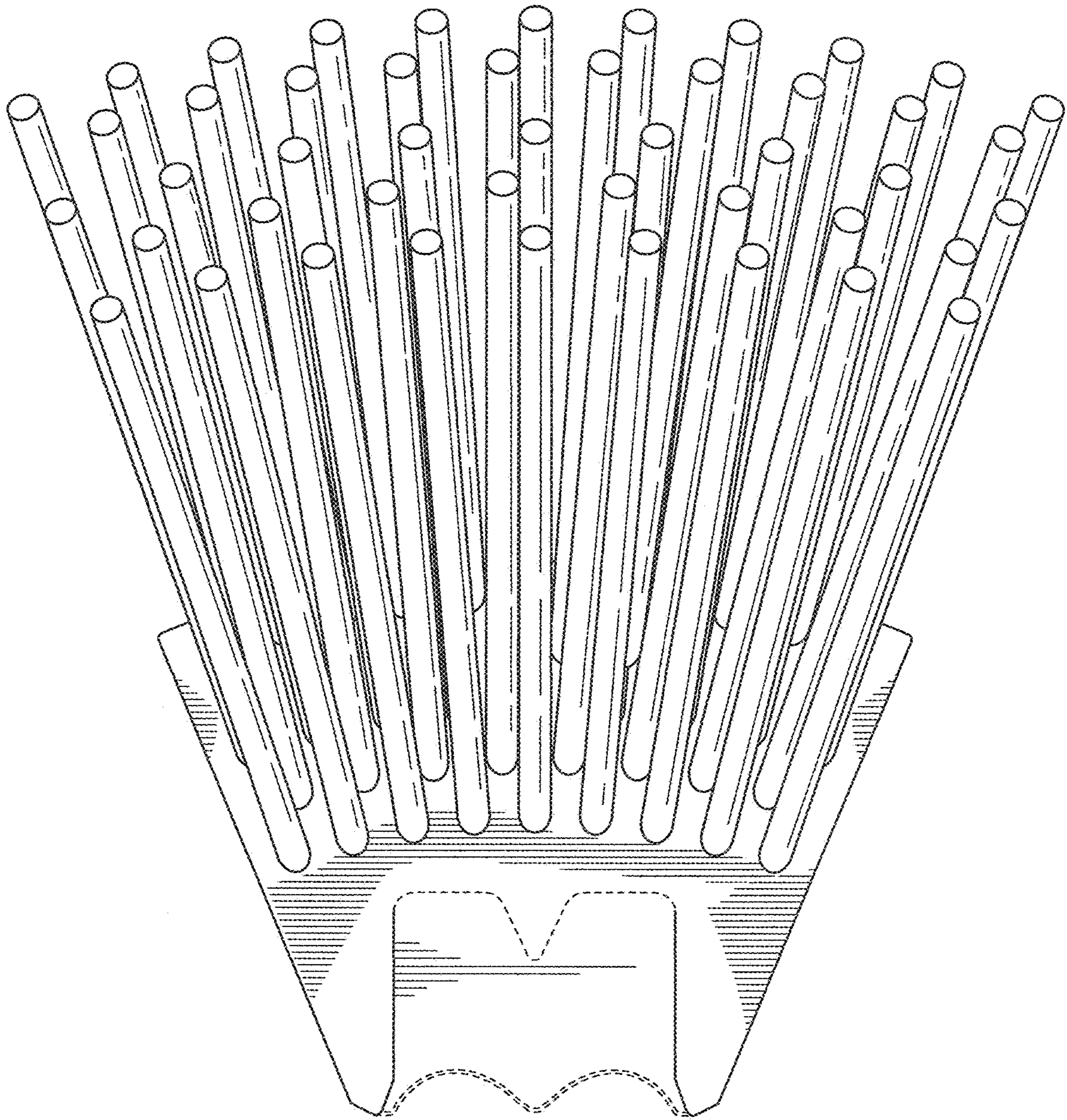
\* cited by examiner



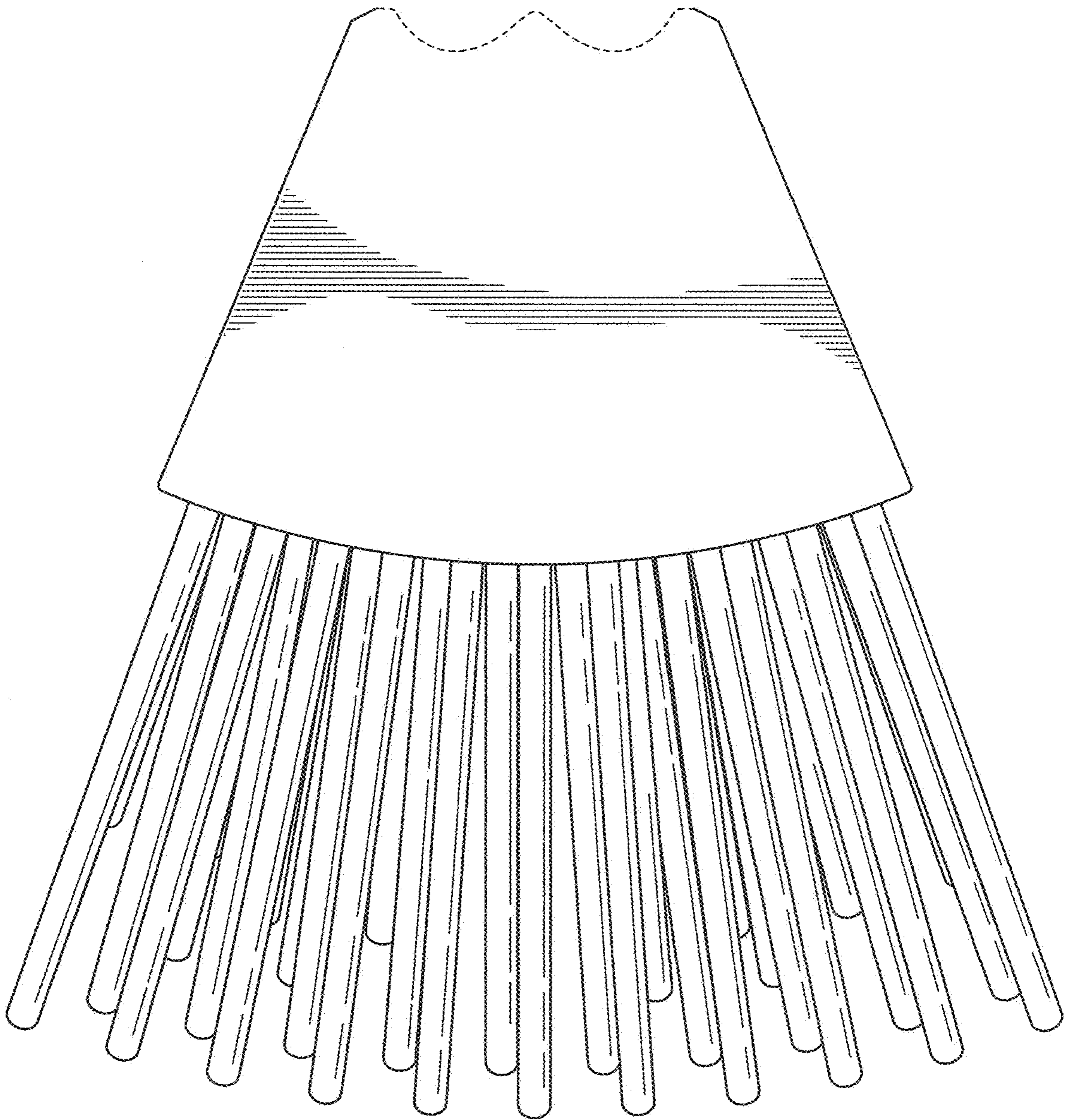
1.1



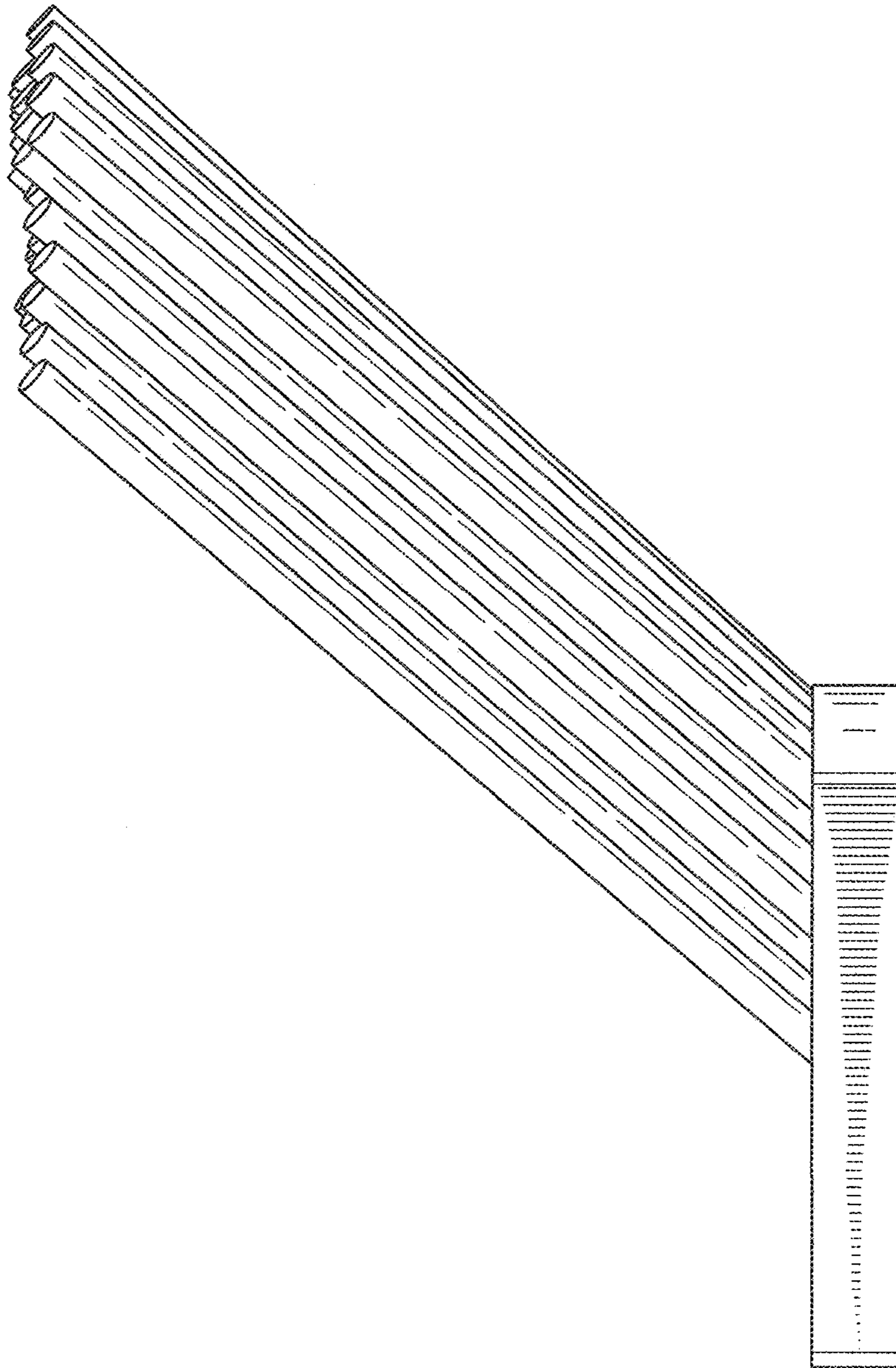
1.2



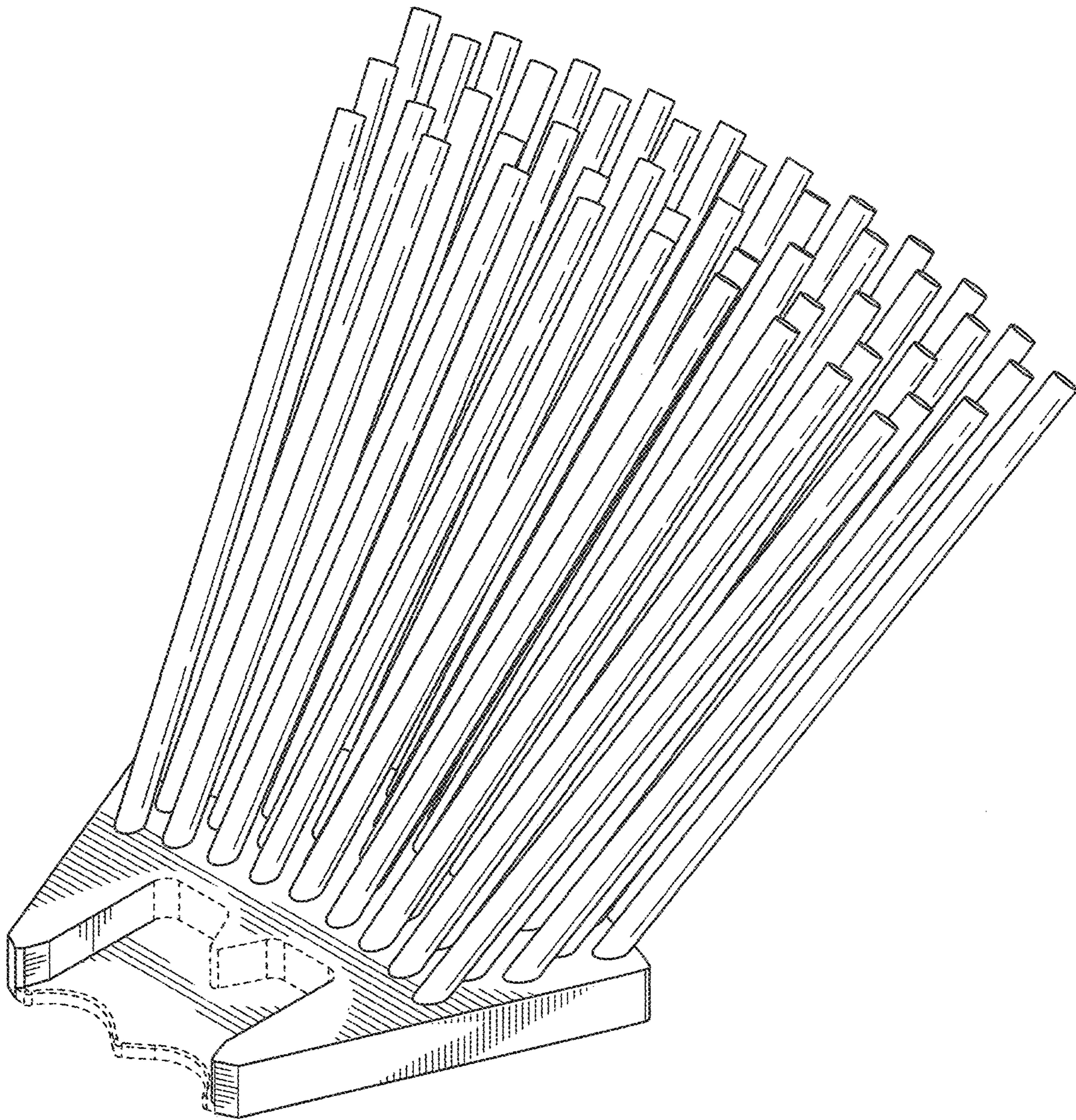
1.3



1.4

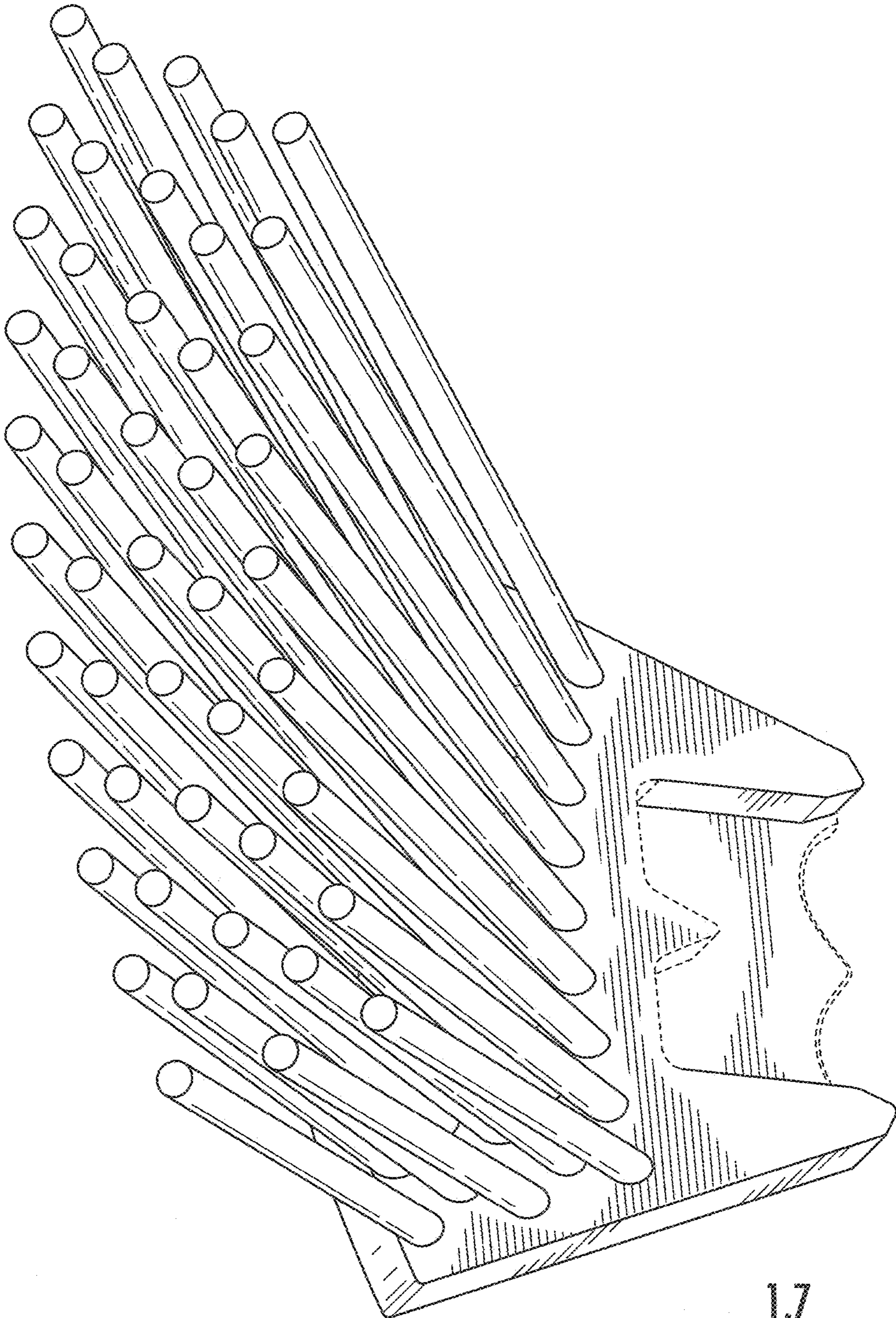


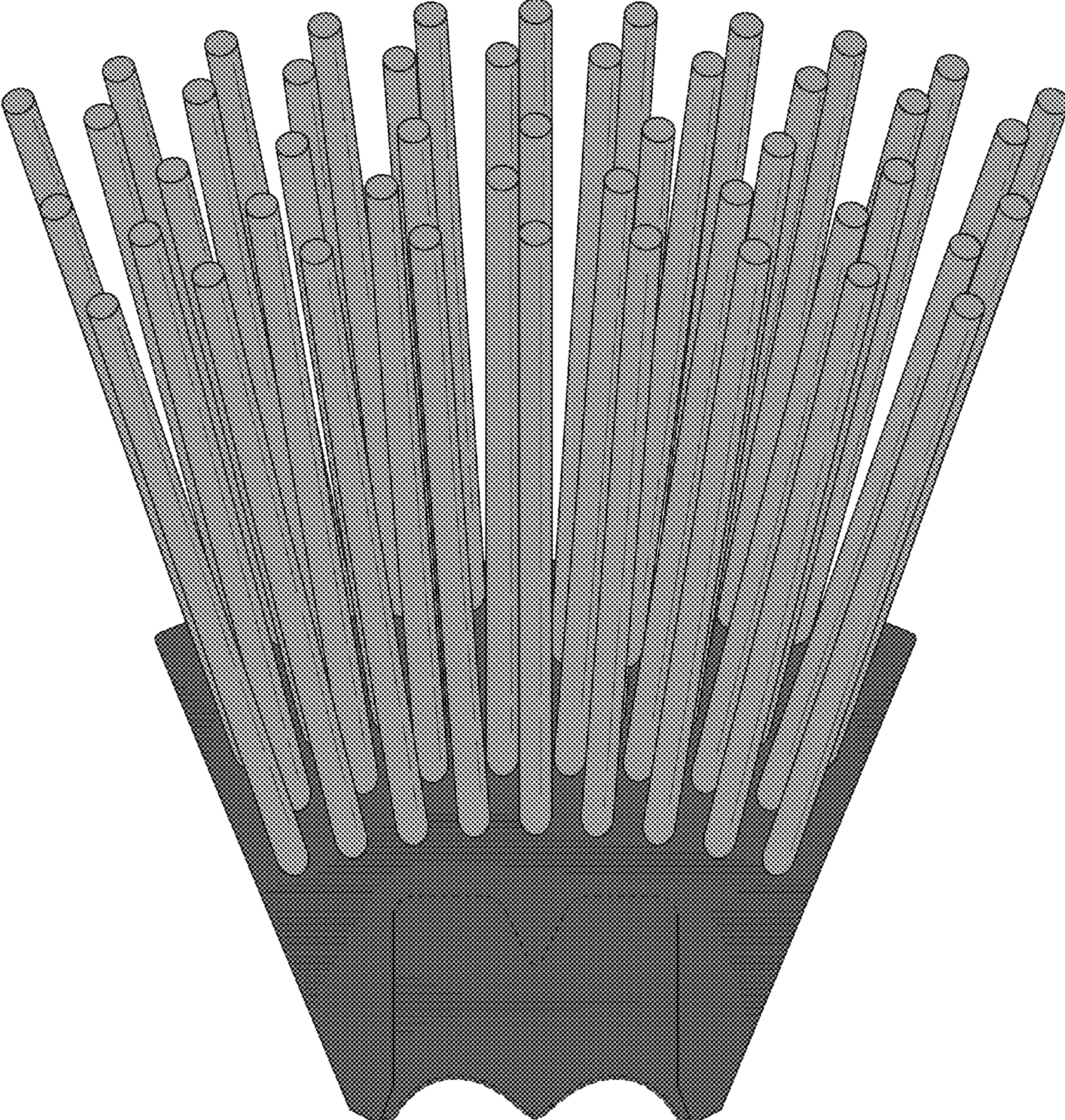
51



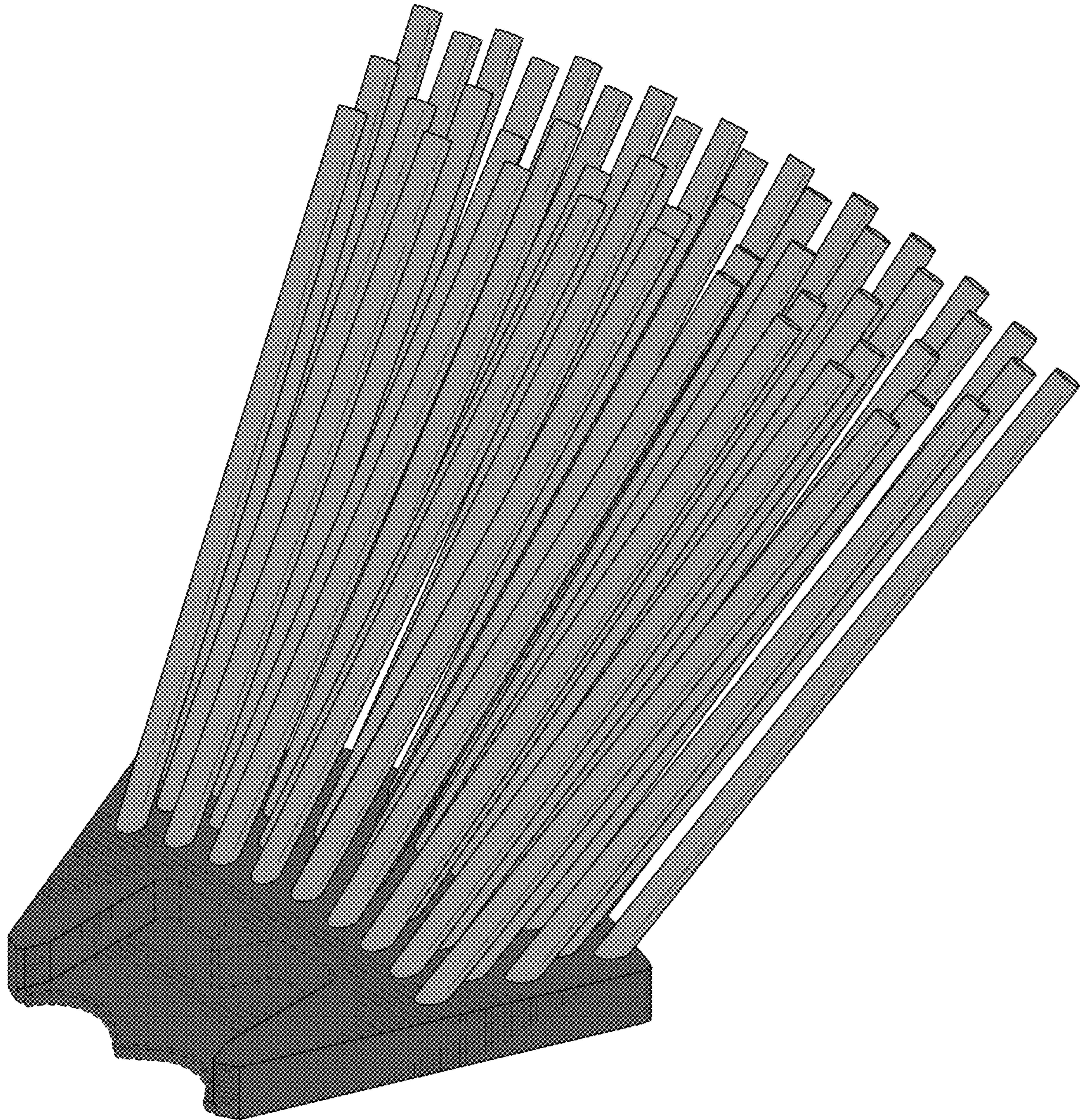
1.6



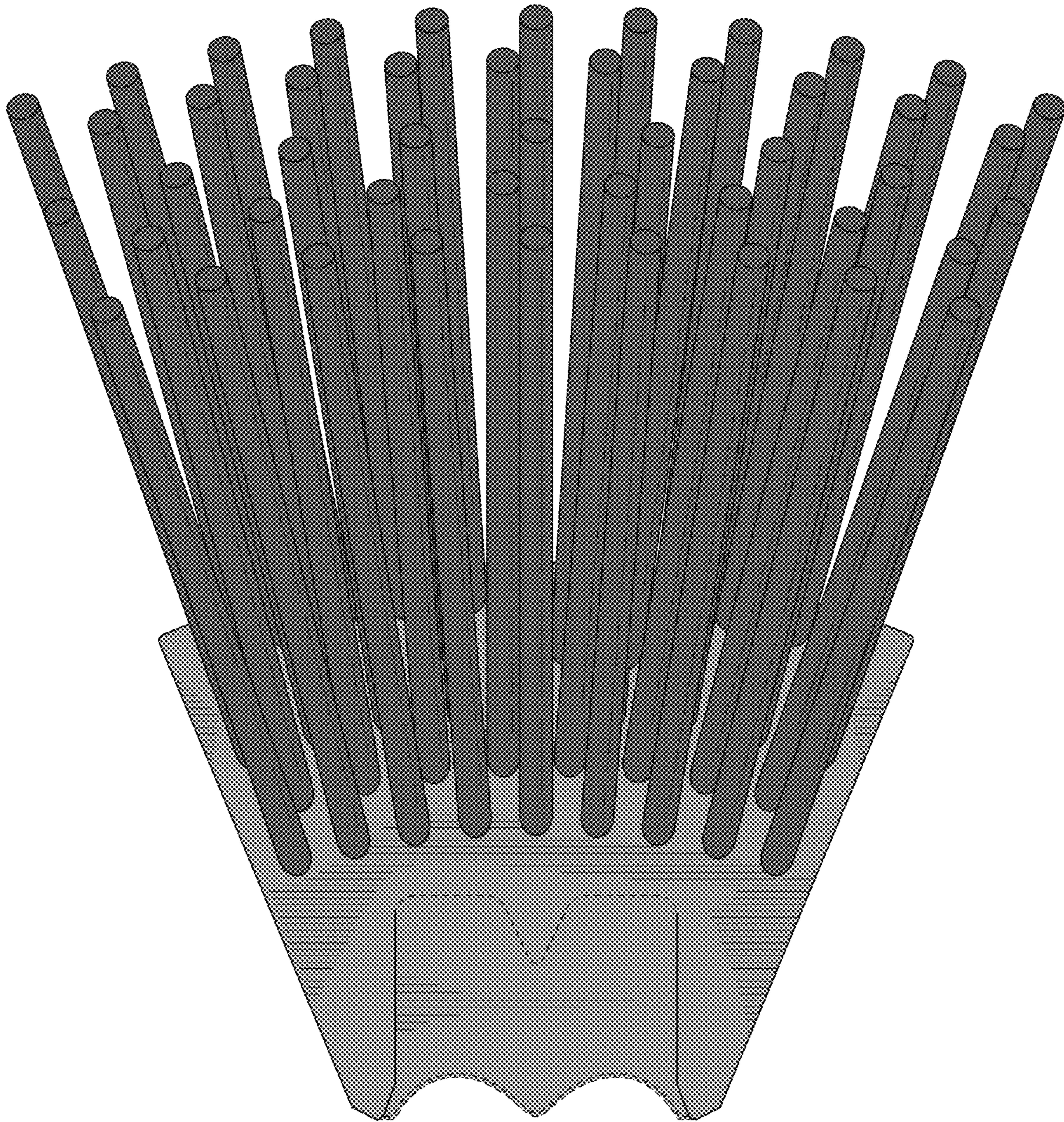




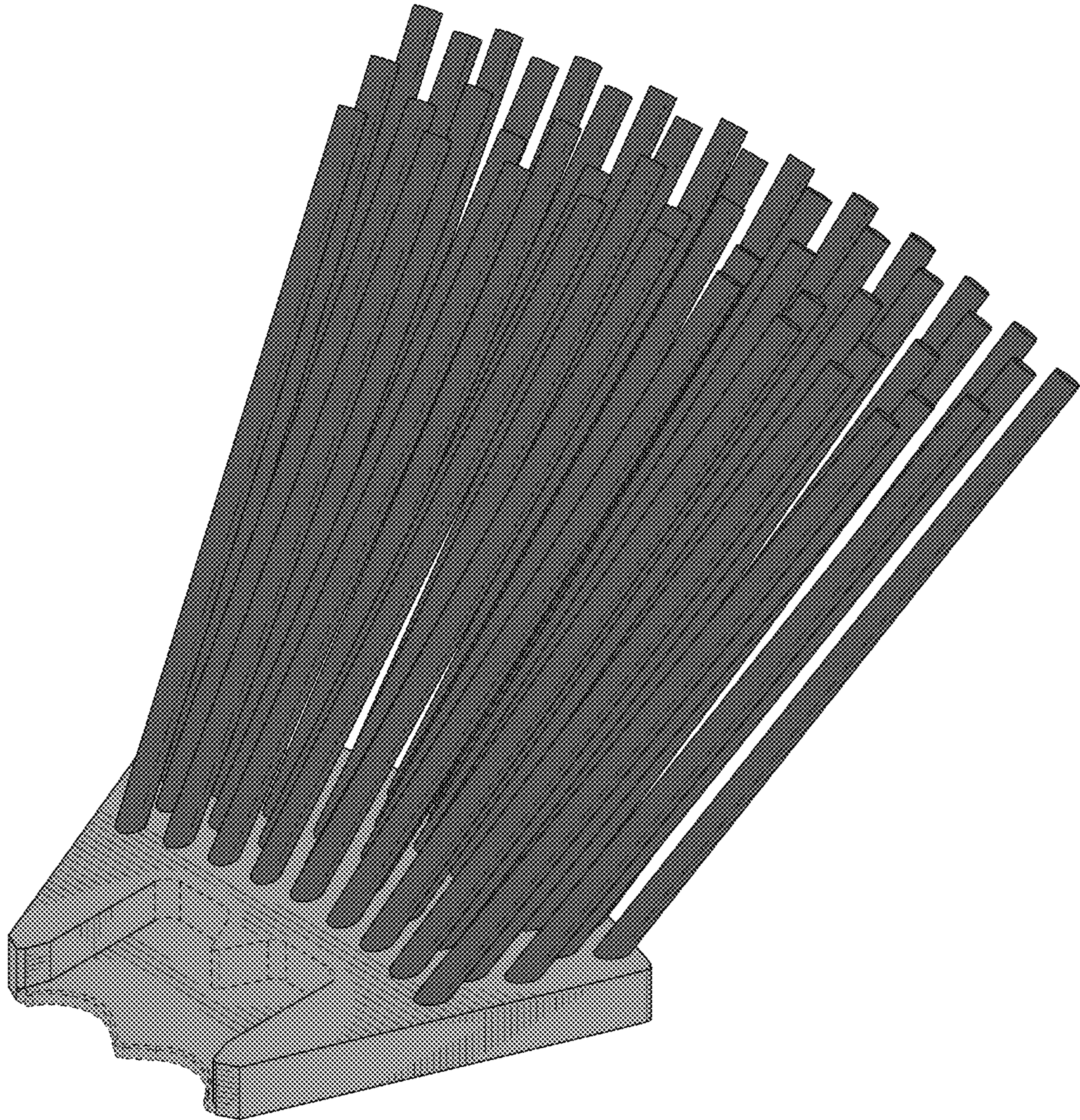
8.1



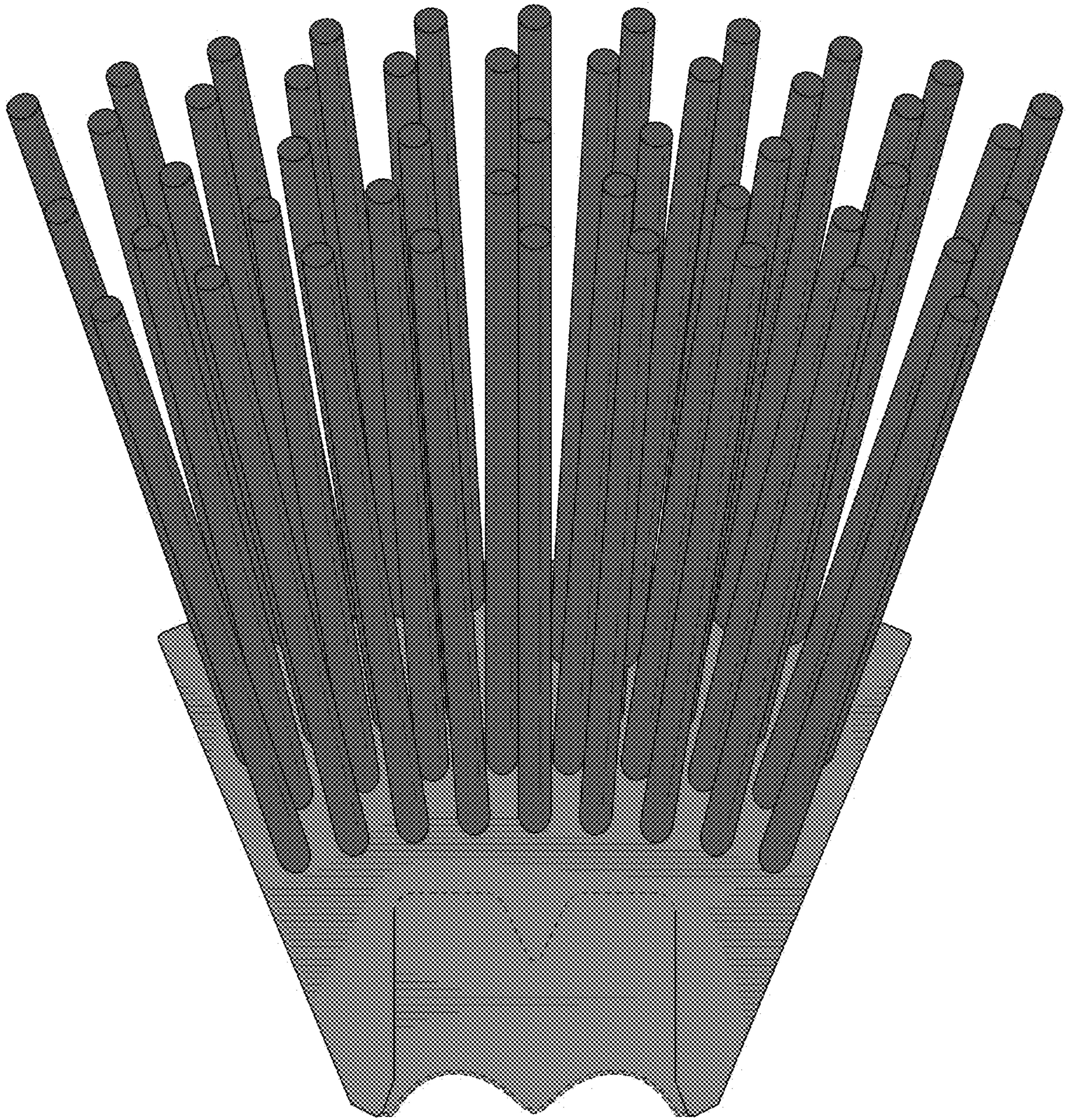
8.2



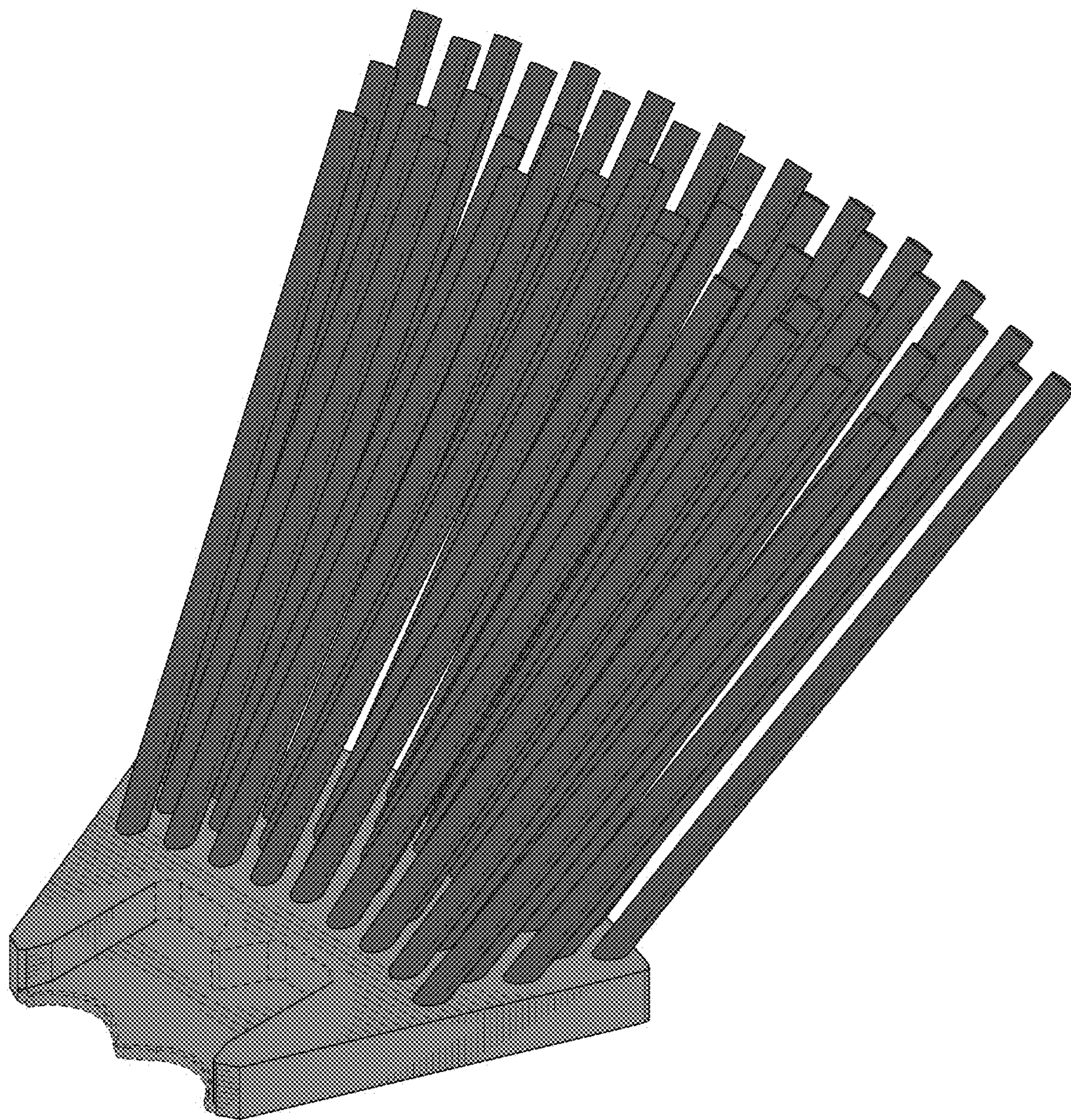
9.1



9.2



10.1



10.2