



US00D982734S

(12) **United States Design Patent** (10) **Patent No.:** **US D982,734 S**  
**Xu et al.** (45) **Date of Patent:** \*\* Apr. 4, 2023

(54) **COOLING FAN**(71) Applicant: **Gree Electric Appliances, Inc. of Zhuhai, Zhuhai (CN)**(72) Inventors: **Chunyue Xu, Guangdong (CN); Zezhou Dai, Guangdong (CN); Sha Li, Guangdong (CN); Jingjing Wang, Guangdong (CN); Luan Qin, Guangdong (CN); Qilong Jiang, Guangdong (CN)**(\*\*) Term: **15 Years**(21) Appl. No.: **35/512,329**(22) Filed: **Jul. 7, 2021**(80) **Hague Agreement Data**Int. Filing Date: **Jul. 7, 2021**Int. Reg. No.: **DM/215577**Int. Reg. Date: **Jul. 7, 2021**Int. Reg. Pub. Date: **Aug. 6, 2021**(30) **Foreign Application Priority Data**

Jan. 22, 2021 (CN) ..... 202130048927.3

(51) **LOC (14) Cl.** ..... **23-04**(52) **U.S. Cl.**USPC ..... **D23/378; D23/382**(58) **Field of Classification Search**USPC ..... D23/328, 332–337, 351–352, 355–356,  
D23/364, 370–376, 378–383, 411–412

CPC ..... F04D 25/08; F04D 17/04; F04D 25/10

See application file for complete search history.

(56)

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*Primary Examiner* — Sharon S Oum(57) **CLAIM**

The ornamental design for a cooling fan, as shown and described.

**DESCRIPTION**

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

1. Cooling fan

1.1 : Front

1.2 : Back

1.3 : Left

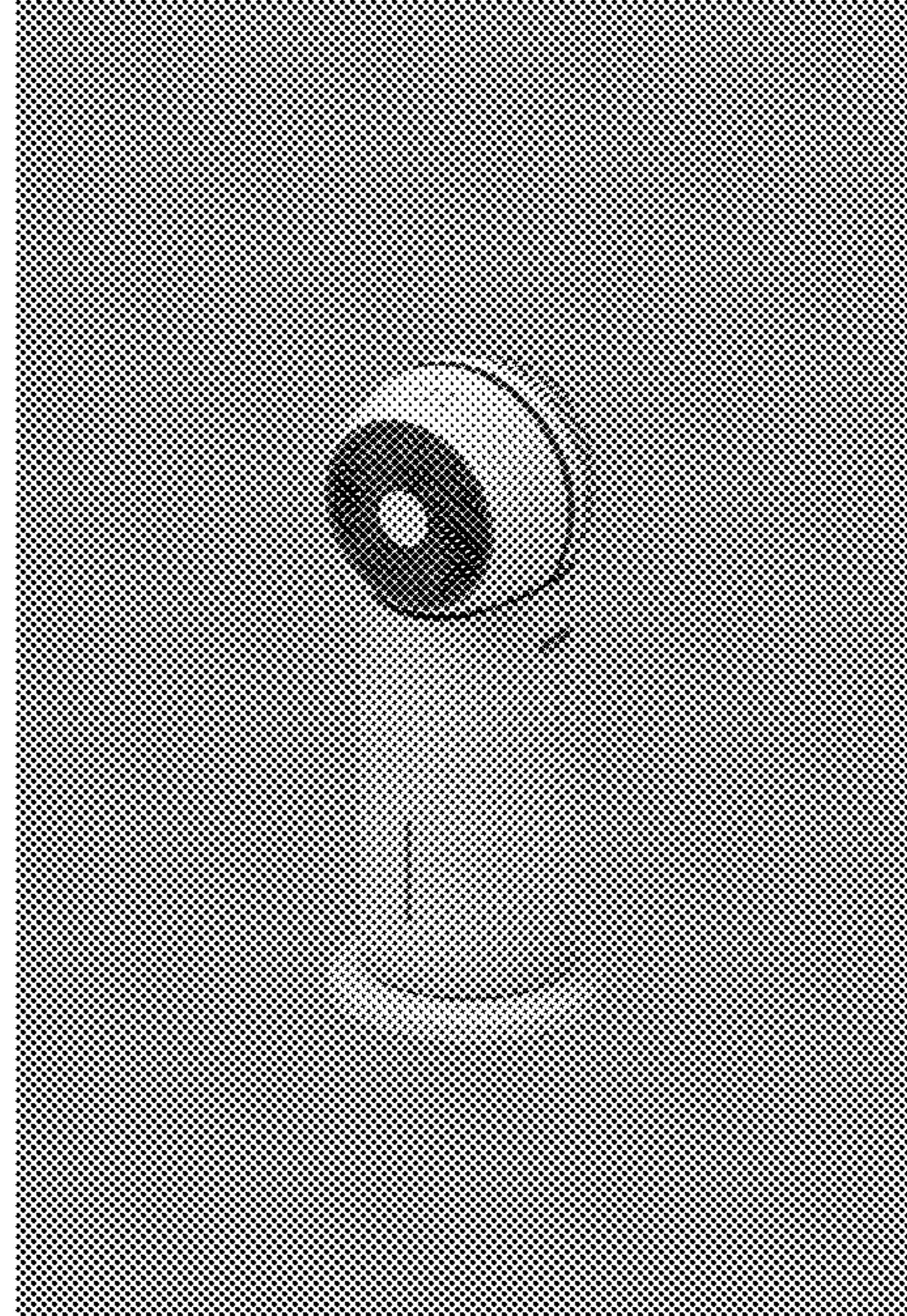
1.4 : Right

1.5 : Top

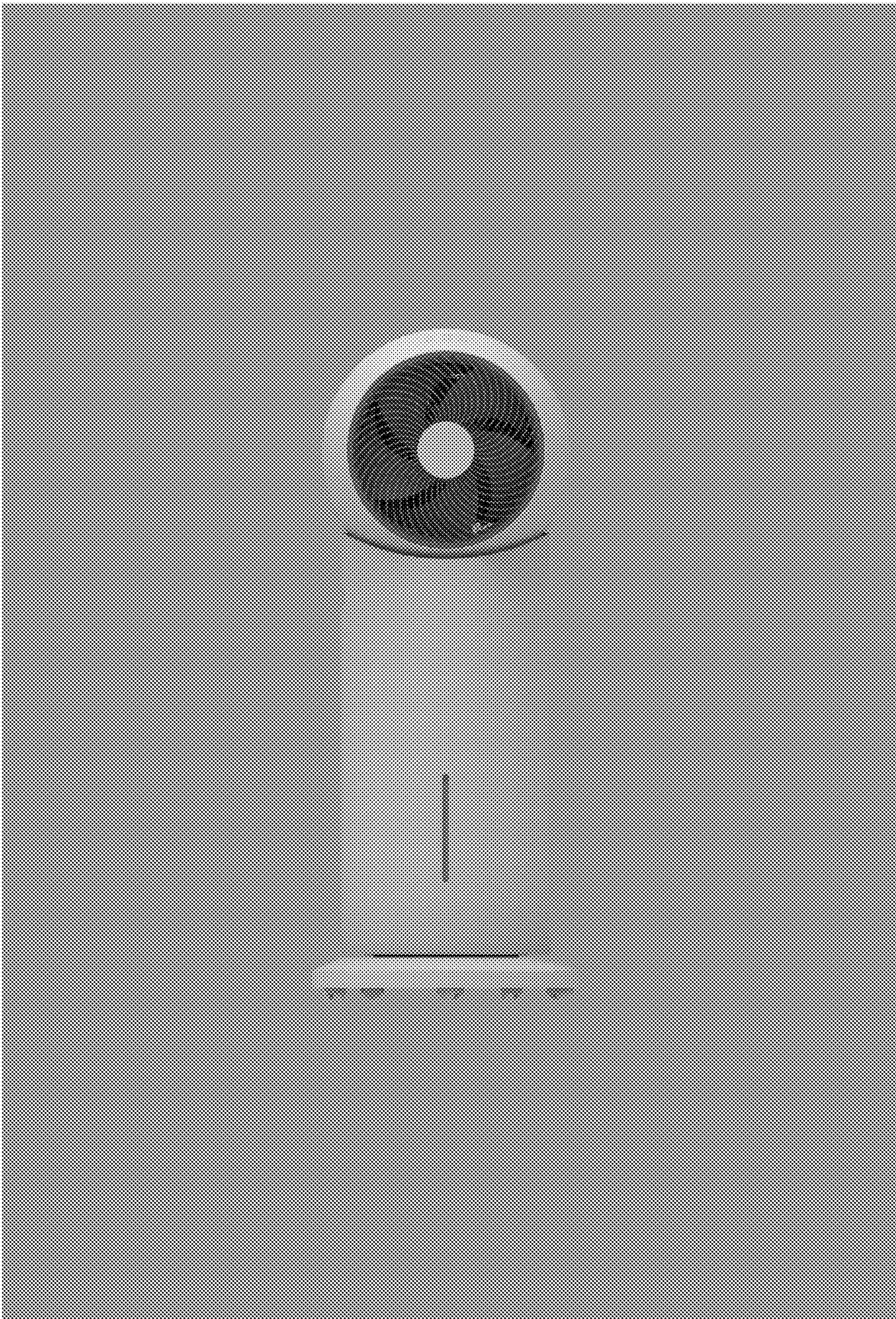
1.6 : Bottom

1.7 : Perspective

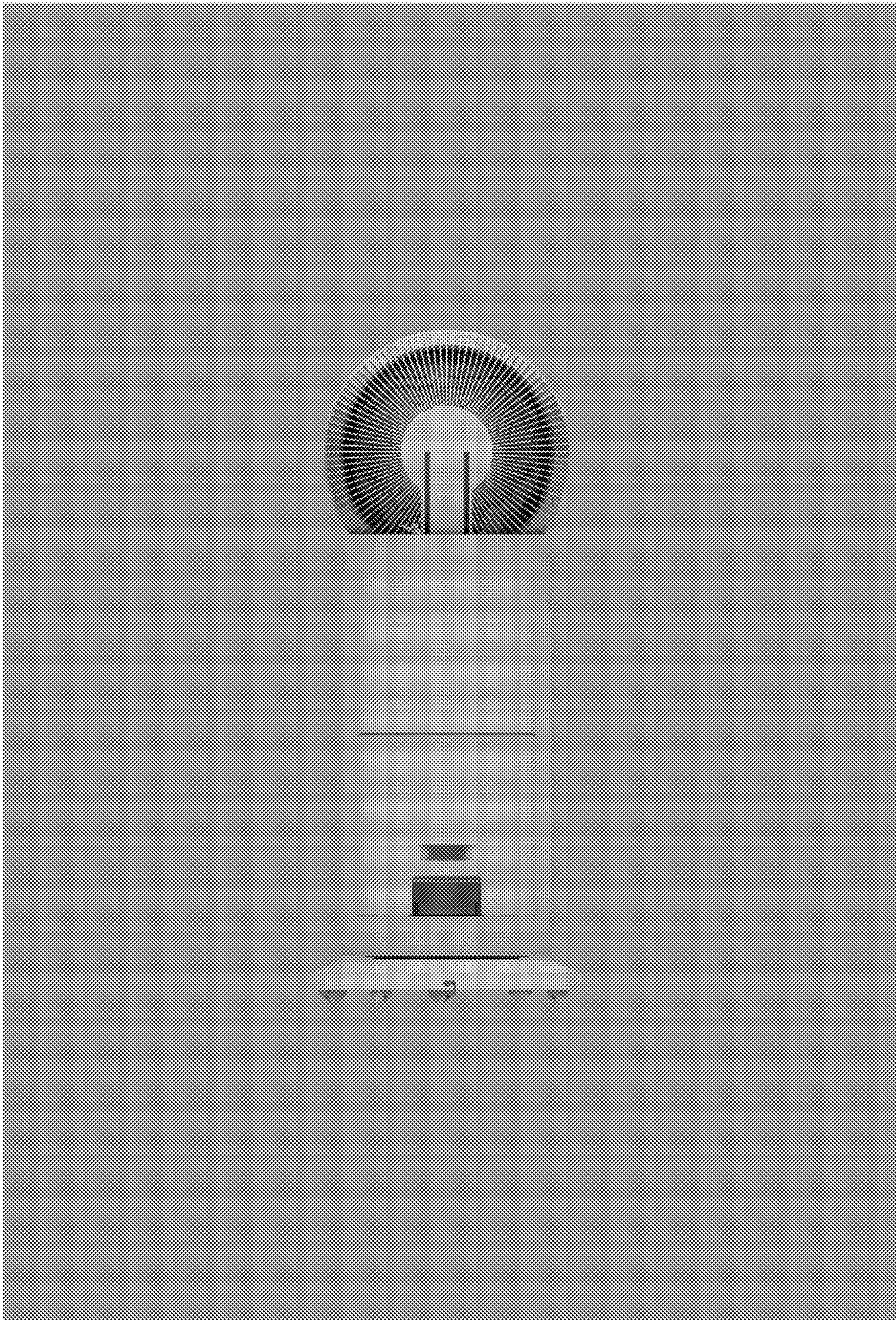
Portions of the cooling fan shown in a blue color form a part of the claimed design. The specific color blue shown in the drawings does not form a part of the claimed design.

**1 Claim, 7 Drawing Sheets****(7 of 7 Drawing Sheet(s) Filed in Color)**

**1.1**



**1.2**



**1.3**



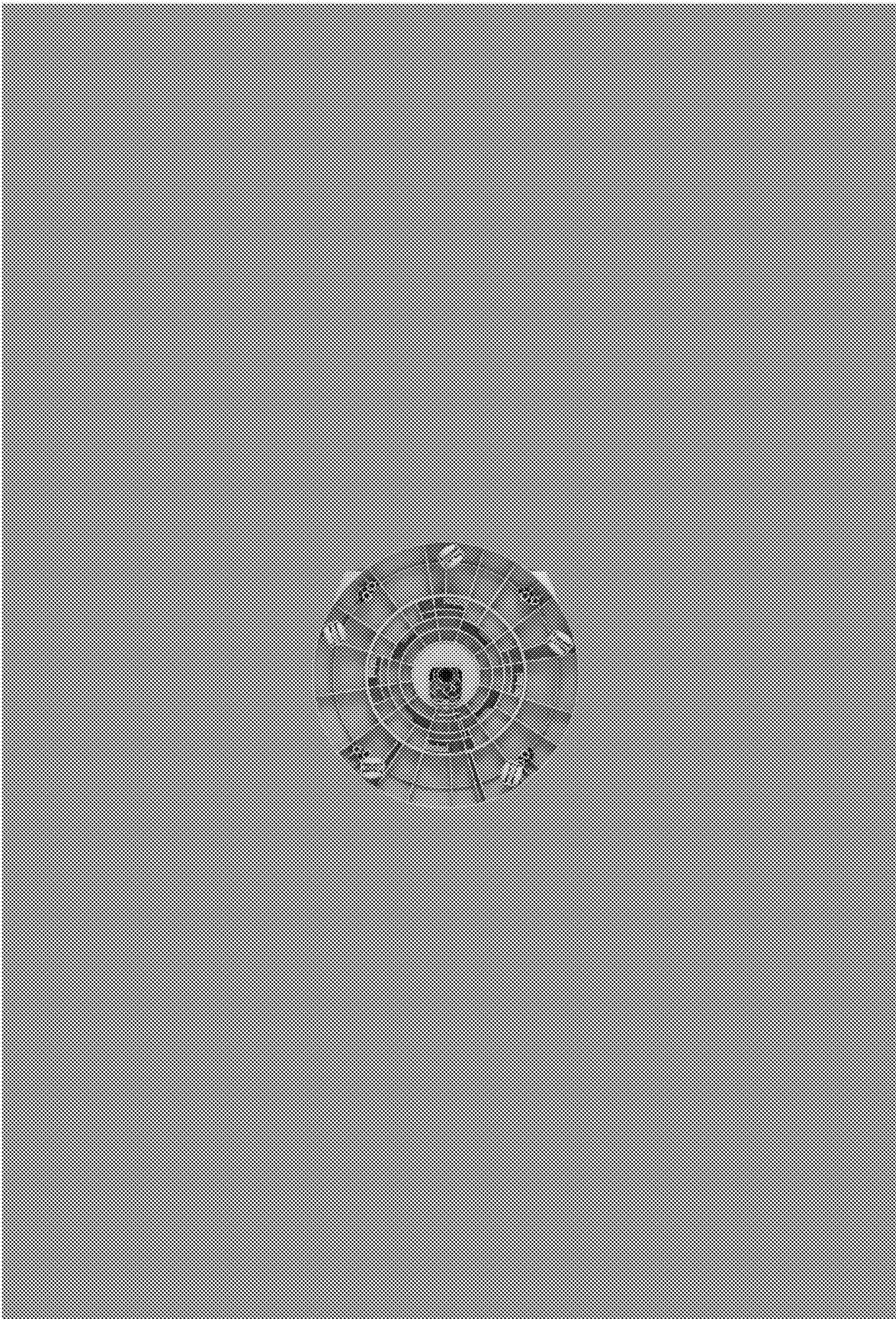
**1.4**



**1.5**



**1.6**



**1.7**

