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(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**

(56) **References Cited**

(71) Applicant: **Gree Electric Appliances, Inc. of Zhuhai, Zhuhai (CN)**

U.S. PATENT DOCUMENTS

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

*Primary Examiner* — Sharon S Oum

(21) Appl. No.: **35/512,329**

(57) **CLAIM**

(22) Filed: **Jul. 7, 2021**

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

(80) **Hague Agreement Data**

**DESCRIPTION**

Int. Filing Date: **Jul. 7, 2021**  
Int. Reg. No.: **DM/215577**  
Int. Reg. Date: **Jul. 7, 2021**  
Int. Reg. Pub. Date: **Aug. 6, 2021**

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.

(30) **Foreign Application Priority Data**

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

(51) **LOC (14) Cl.** ..... **23-04**

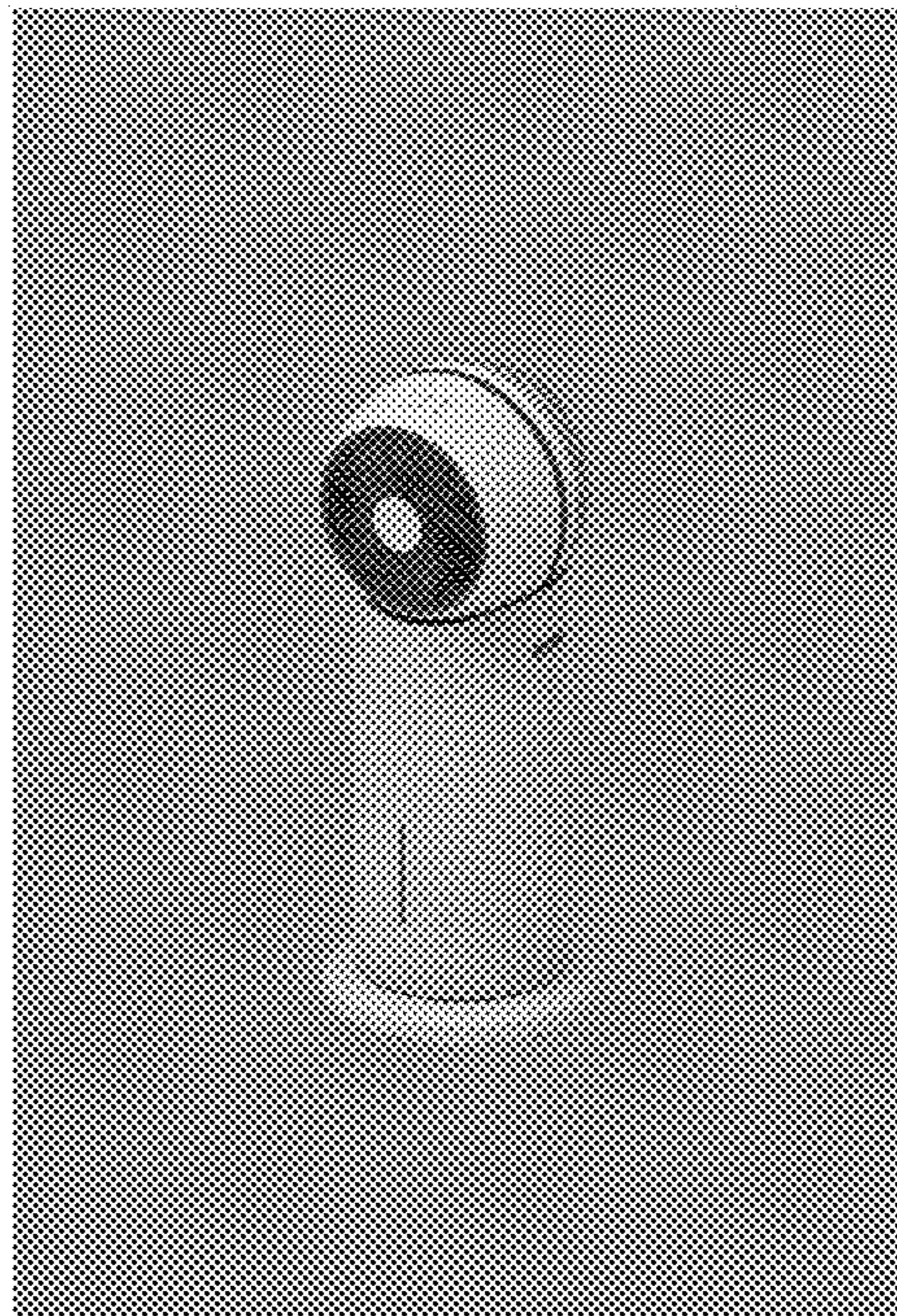
(52) **U.S. Cl.**  
USPC ..... **D23/378; D23/382**

(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.

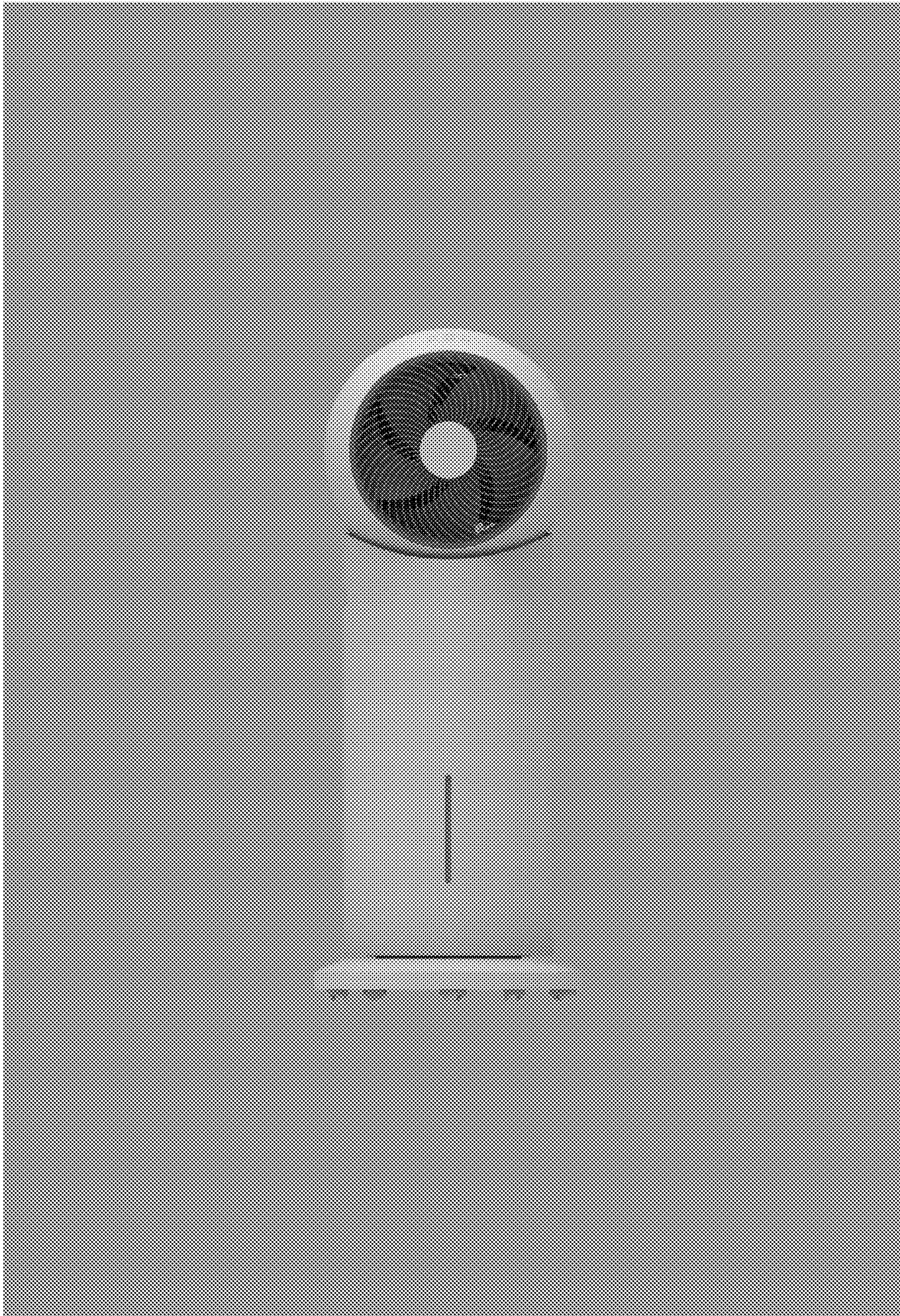
- 1. Cooling fan
- 1.1 : Front
- 1.2 : Back
- 1.3 : Left
- 1.4 : Right
- 1.5 : Top
- 1.6 : Bottom
- 1.7 : Perspective

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.

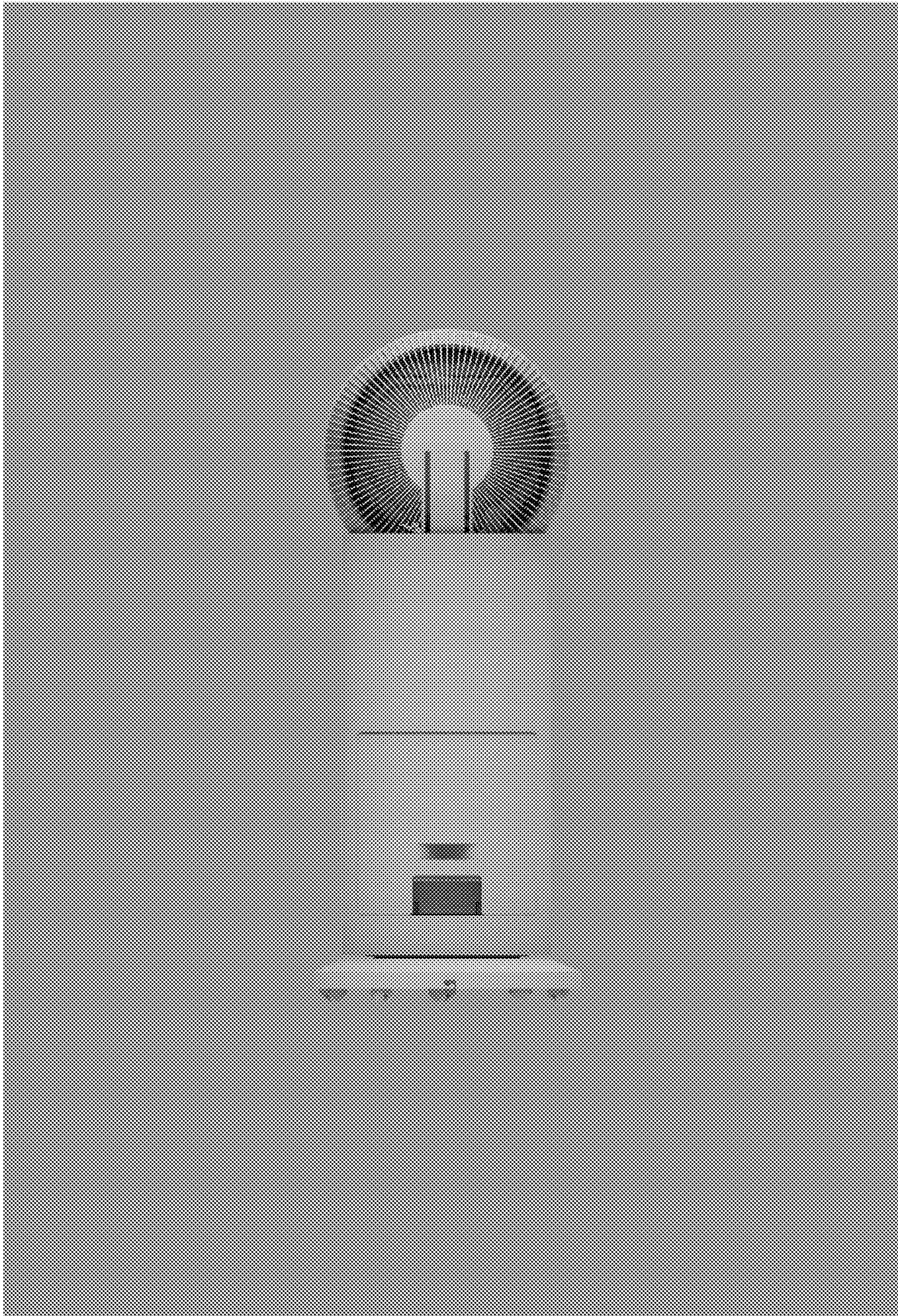
**1 Claim, 7 Drawing Sheets**  
**(7 of 7 Drawing Sheet(s) Filed in Color)**



1.1



1.2



1.3



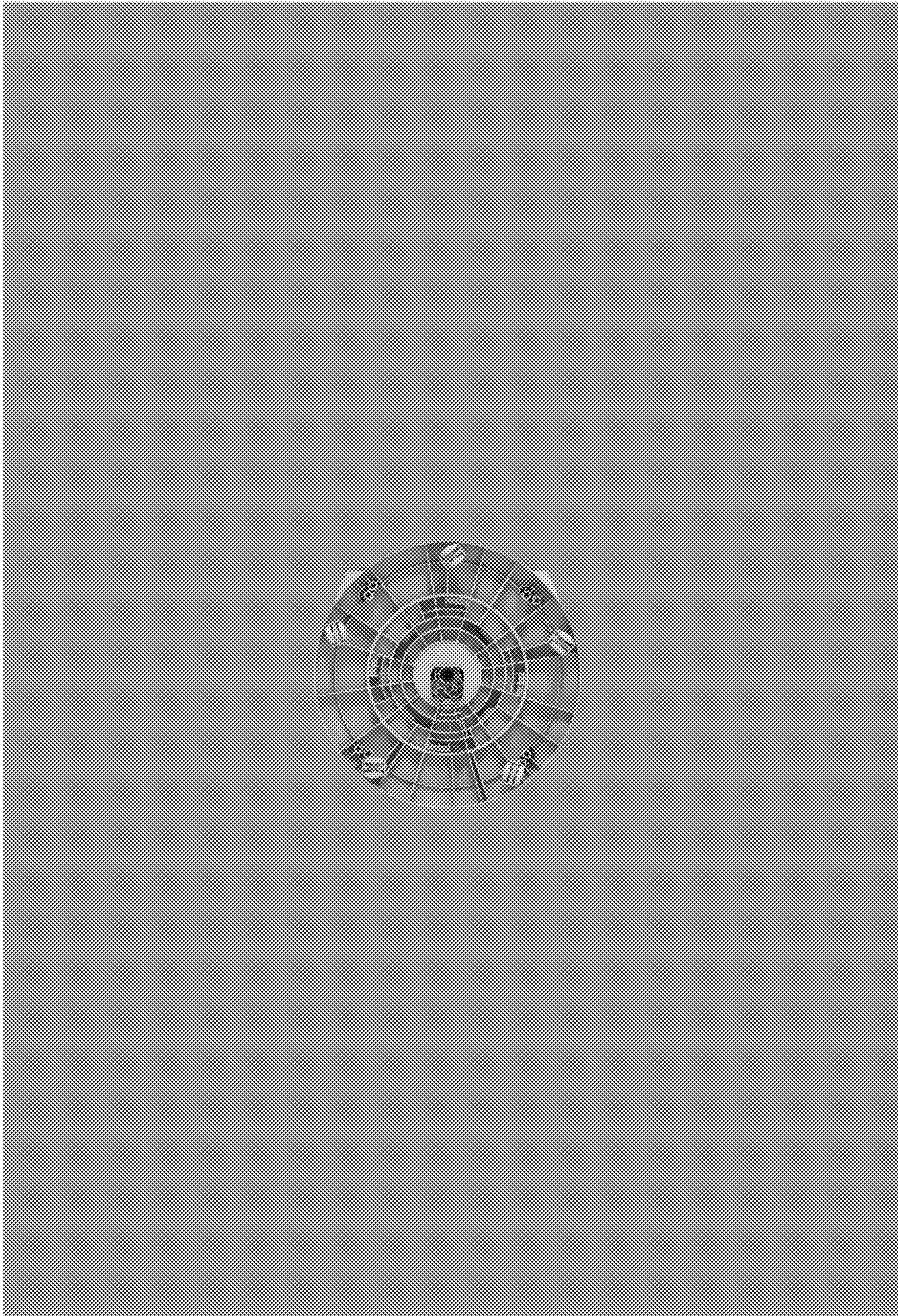
1.4



1.5



1.6



1.7

