



US00D389487S

# United States Patent [19]

Saraiva Lino Pires

[11] Patent Number: **Des. 389,487**

[45] Date of Patent: **\*\*Jan. 20, 1998**

[54] **CONE FOR SPEAKER**

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[73] Assignee: **Bravox S/A Industria E Comercio Eletronico, San Paulo/SP, Brazil**

[\*\*] Term: **14 Years**

[21] Appl. No.: **56,404**

[22] Filed: **Jun. 28, 1996**

[51] LOC (6) Cl. .... **14-01**

[52] U.S. Cl. .... **D14/221**

[58] Field of Search ..... D14/204-216, D14/221-222; 181/143-144, 147-148, 150, 152-155, 157, 159, 171-174; 381/24, 88-90, 153, 159, 182, 203-205

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

|            |         |         |       |           |
|------------|---------|---------|-------|-----------|
| D. 225,069 | 11/1972 | May     | ..... | D14/216   |
| 4,434,203  | 2/1984  | Briefer | ..... | 181/157 X |
| 4,898,260  | 2/1990  | Fang    | ..... | 181/148   |

|           |         |                  |       |           |
|-----------|---------|------------------|-------|-----------|
| 5,357,586 | 10/1994 | Nordschow et al. | ..... | 181/199 X |
| 5,455,396 | 10/1995 | Willard et al.   | ..... | 181/172   |

**FOREIGN PATENT DOCUMENTS**

|         |        |         |       |         |
|---------|--------|---------|-------|---------|
| 2103599 | 8/1972 | Germany | ..... | 181/171 |
| 2810930 | 9/1978 | Germany | ..... | 181/172 |
| 82896   | 3/1989 | Japan   | ..... | 181/157 |

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*Attorney, Agent, or Firm*—Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.

[57] **CLAIM**

The ornamental design for a cone for speaker, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the cone for speaker showing my new design;  
FIG. 2 is a top view thereof;  
FIG. 3 is a side view thereof (with the front, back and opposite side view being identical thereto); and,  
FIG. 4 is an elevated cross-sectional view taken through line 4—4 of FIG. 2.

**1 Claim, 4 Drawing Sheets**

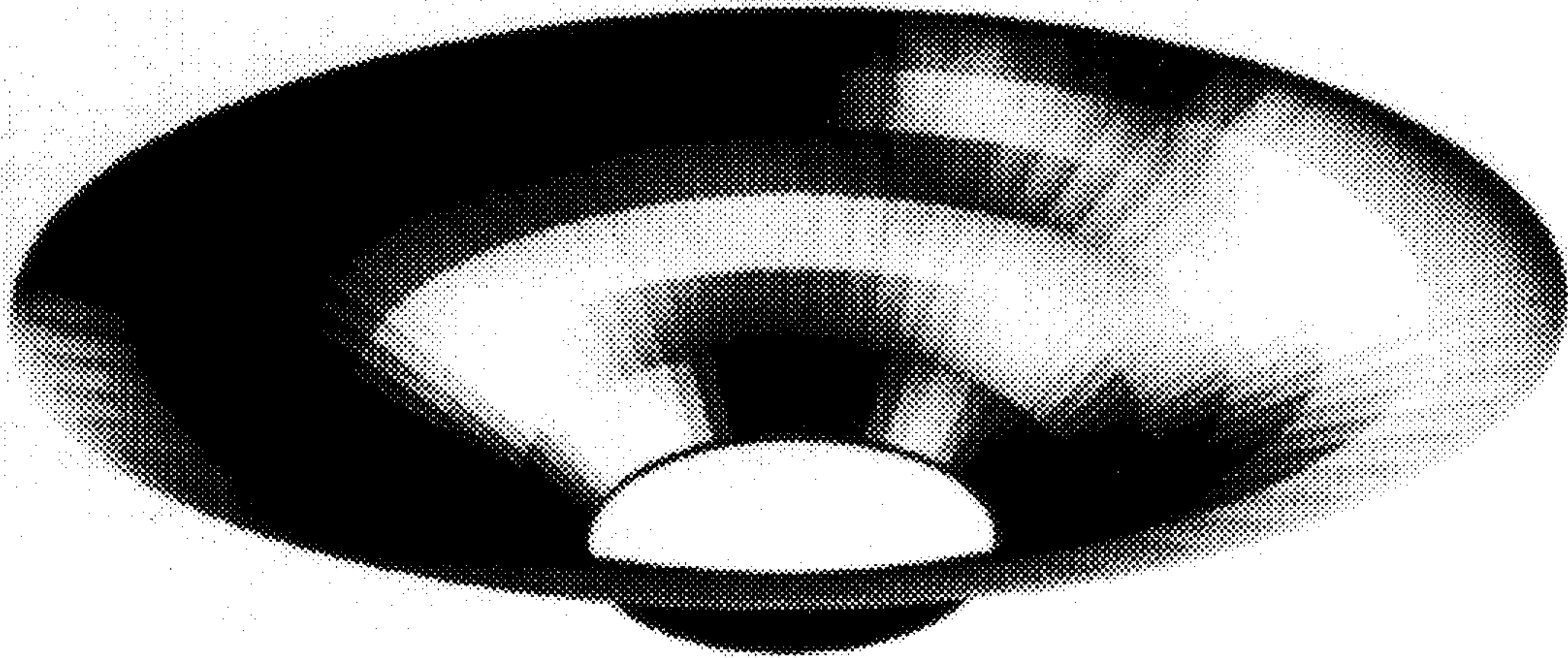


FIG. 1

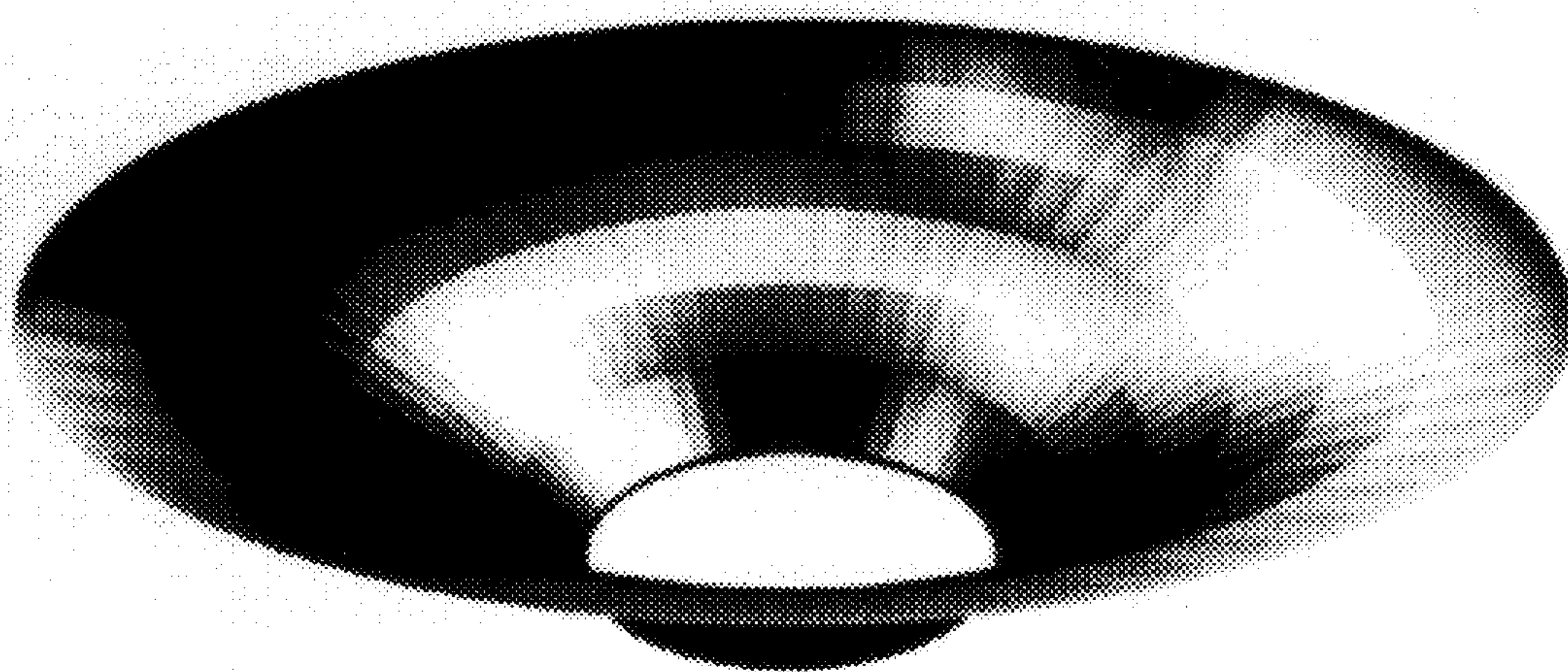


FIG. 2

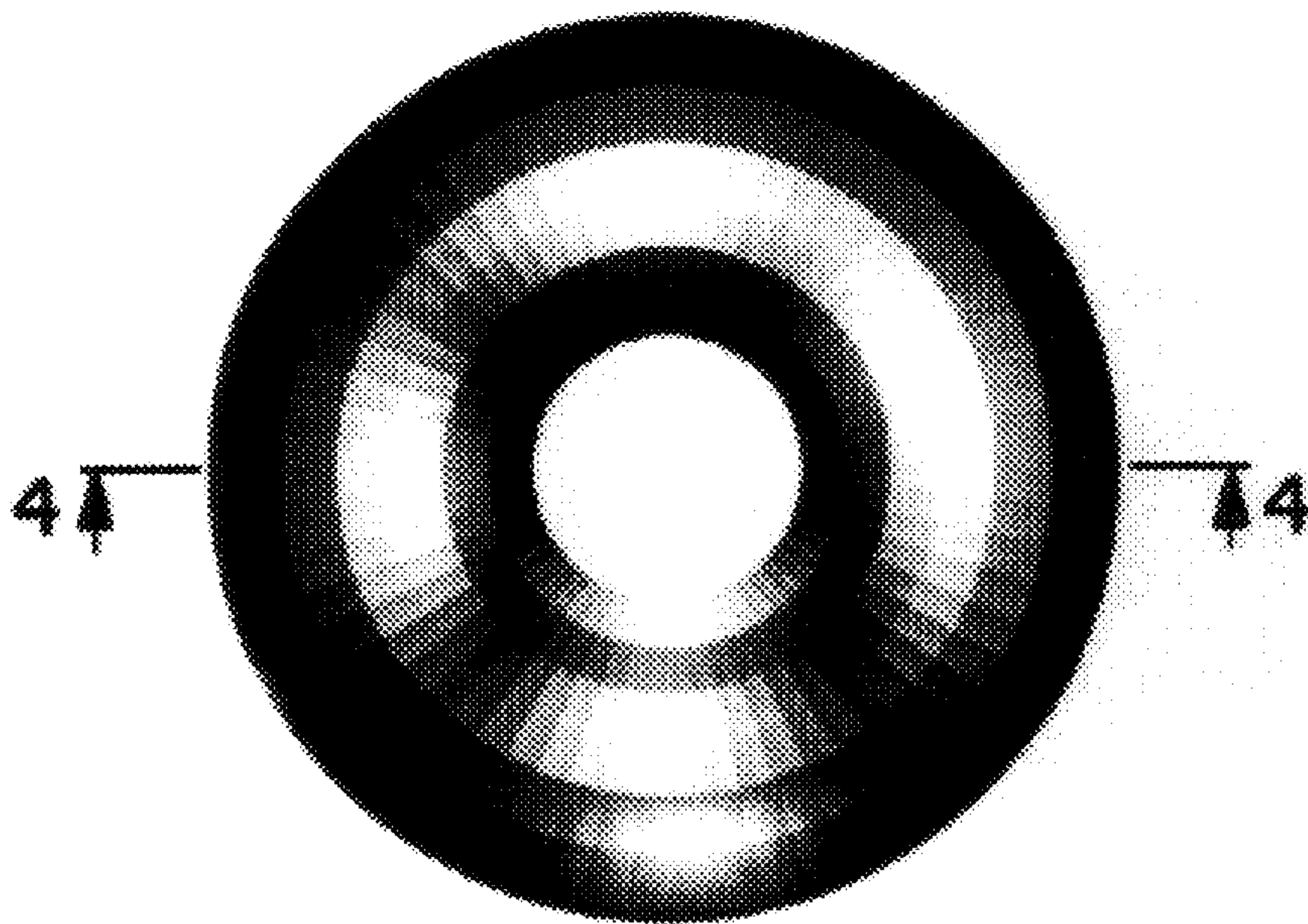




FIG. 3

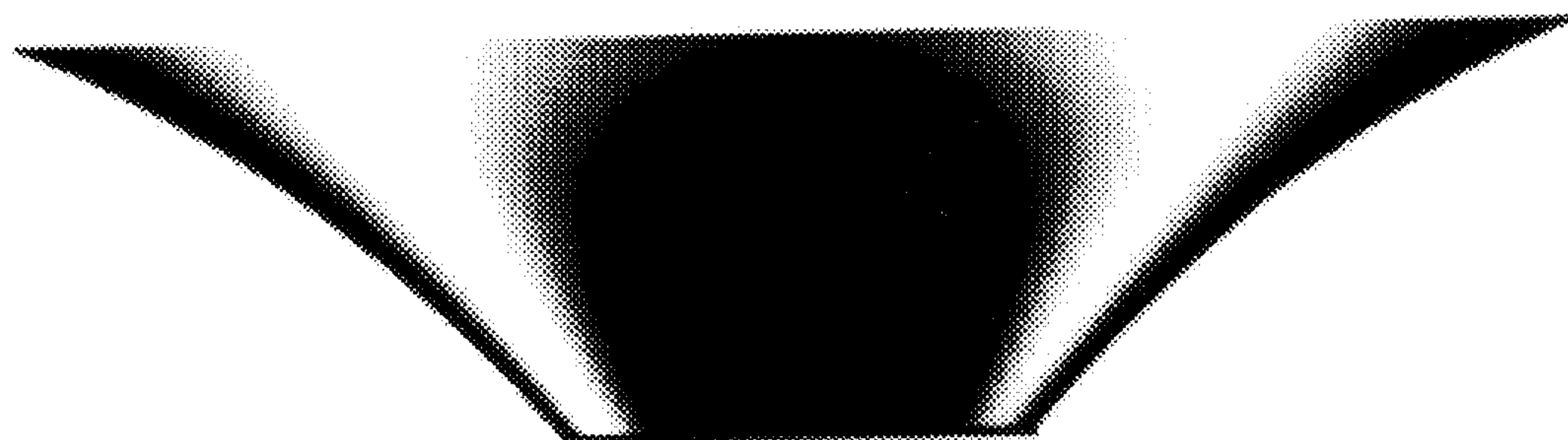
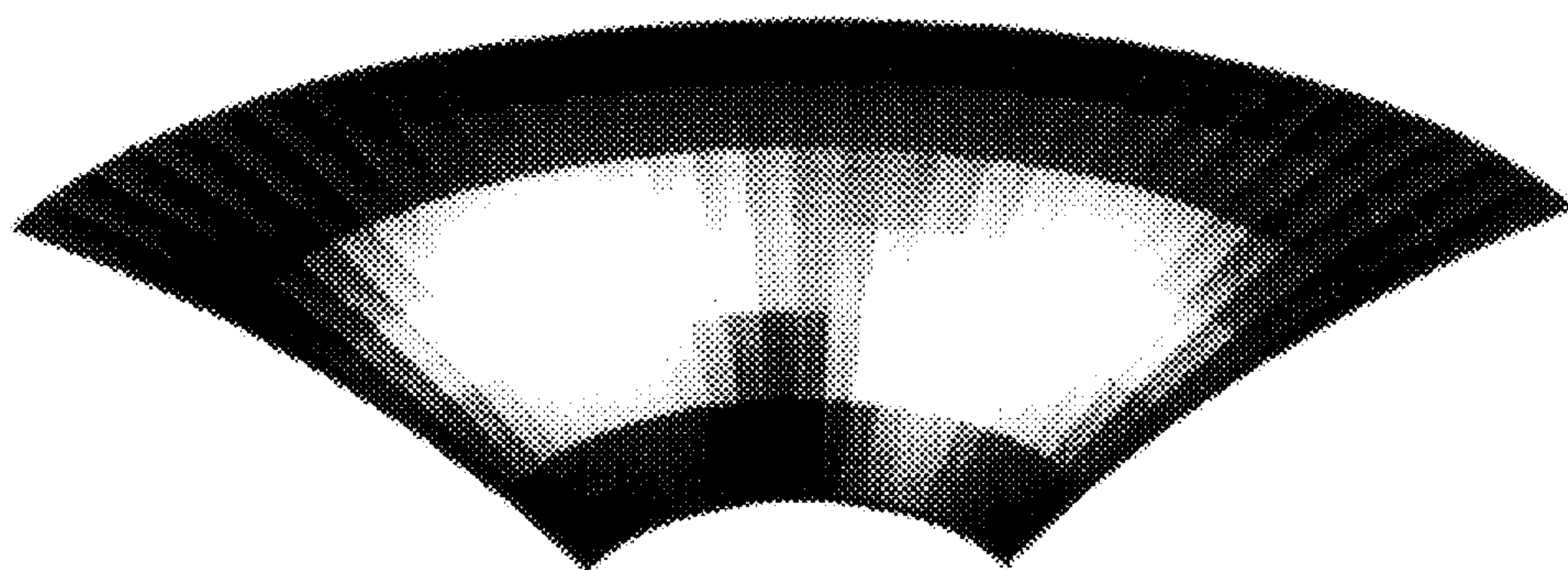


FIG. 4



UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 389,487  
DATED : JANUARY 20, 1998  
INVENTOR(S) : SARAIVA LINO PIRES

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, please insert --[30] Foreign Priority: Brazilian application number AI-5600131, dated January 2, 1996--.

Title page, in section [73], please change the city of the Assignee from "San Paulo" to --Sao Paulo--.

Signed and Sealed this  
Nineteenth Day of January, 1999

Attest:



Attesting Officer

*Acting Commissioner of Patents and Trademarks*