

[54] **APERTURE SETTING DEVICE**
 [75] Inventor: **Masaoki Yasumi, Akigawa, Japan**
 [73] Assignee: **Japan Aviation Electronics Industry Limited, Tokyo, Japan**
 [21] Appl. No.: **361,649**
 [22] Filed: **Mar. 25, 1982**

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Related U.S. Application Data

[62] Division of Ser. No. 172,305, Jul. 25, 1980, abandoned.
 [51] **Int. Cl.³** **G01B 5/00; B23P 19/00**
 [52] **U.S. Cl.** **33/180 R; 29/751**
 [58] **Field of Search** **33/178 R, 180 R, 181 R, 33/DIG. 7; 29/751, 753**

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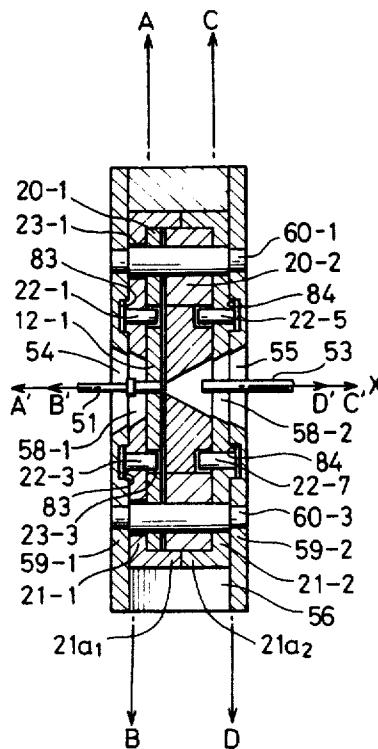
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[57] **ABSTRACT**

An aperture setting device for use in a drawing die, a chuck and so forth, in which at least three or more substantially triangular movable pieces are sequentially arranged in the form of a ring, an aperture is formed by one end portion of an inner side of each movable piece and the movable piece is movable along a side opposite its vertical angle on the side of the aperture, together with the other movable pieces. The movable pieces are disposed in a frame. By the movement of the movable pieces, the aperture can be varied in size without being changed in configuration.

7 Claims, 18 Drawing Figures



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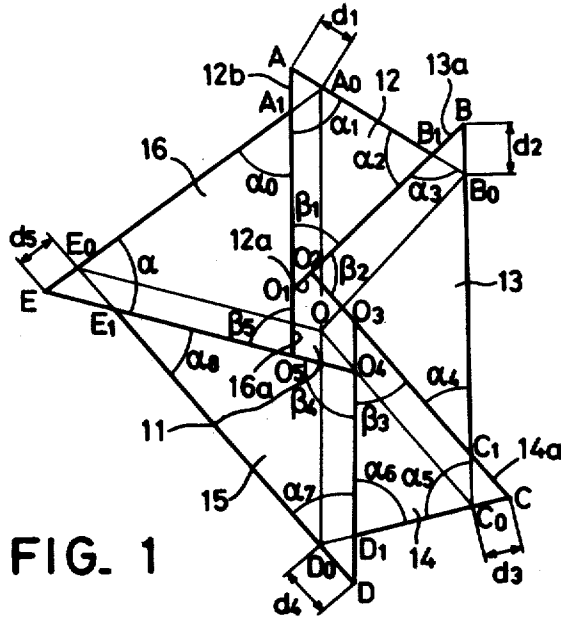


FIG. 1

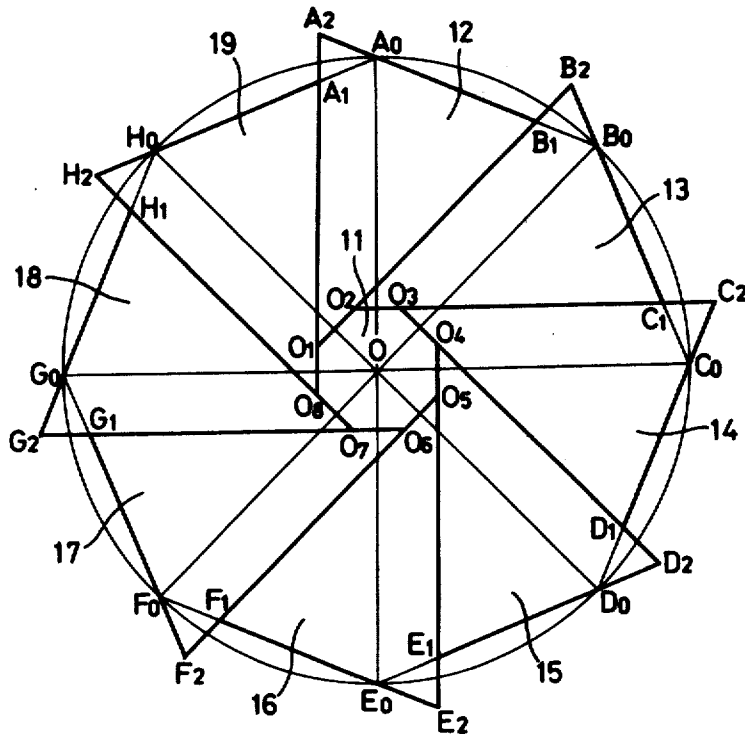


FIG. 2

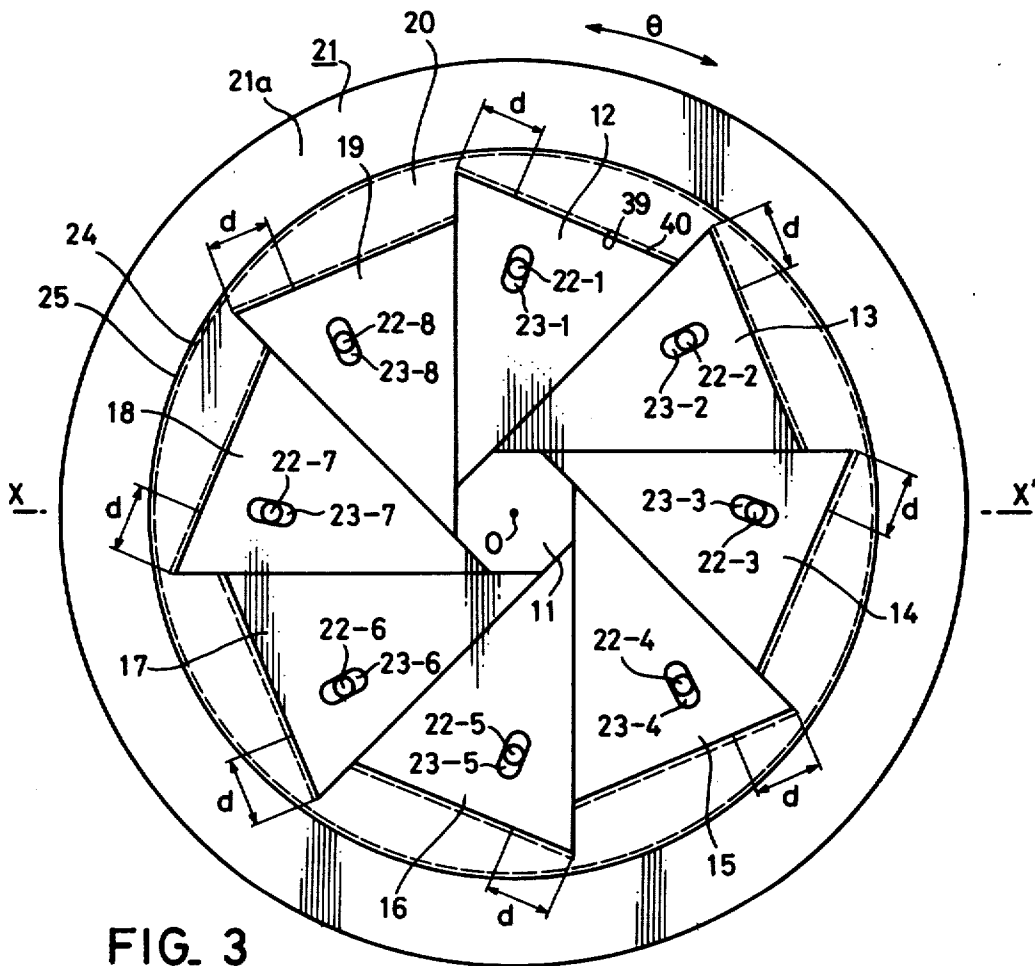


FIG. 3

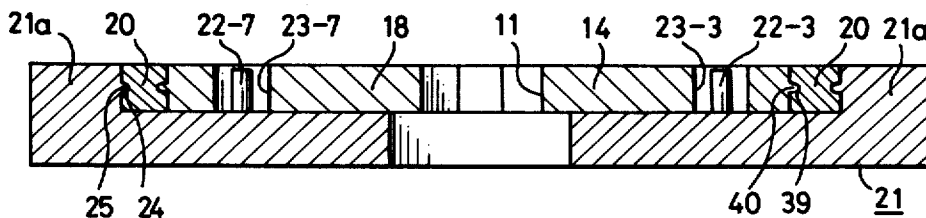


FIG. 10

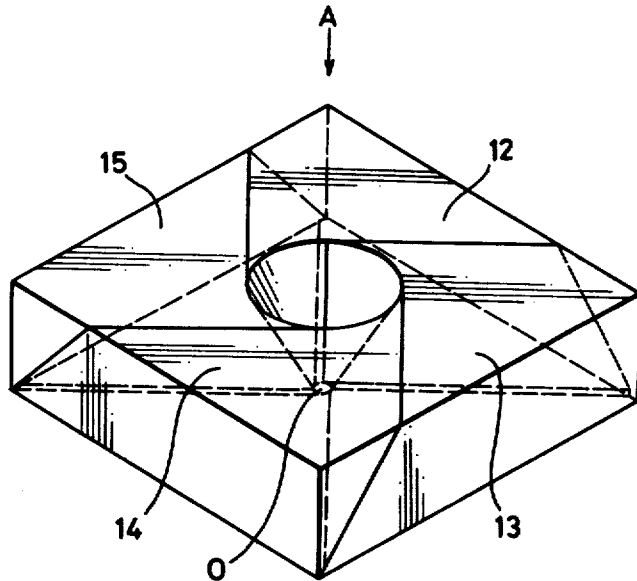


FIG. 4(a)

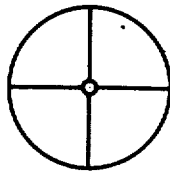


FIG. 4(b)

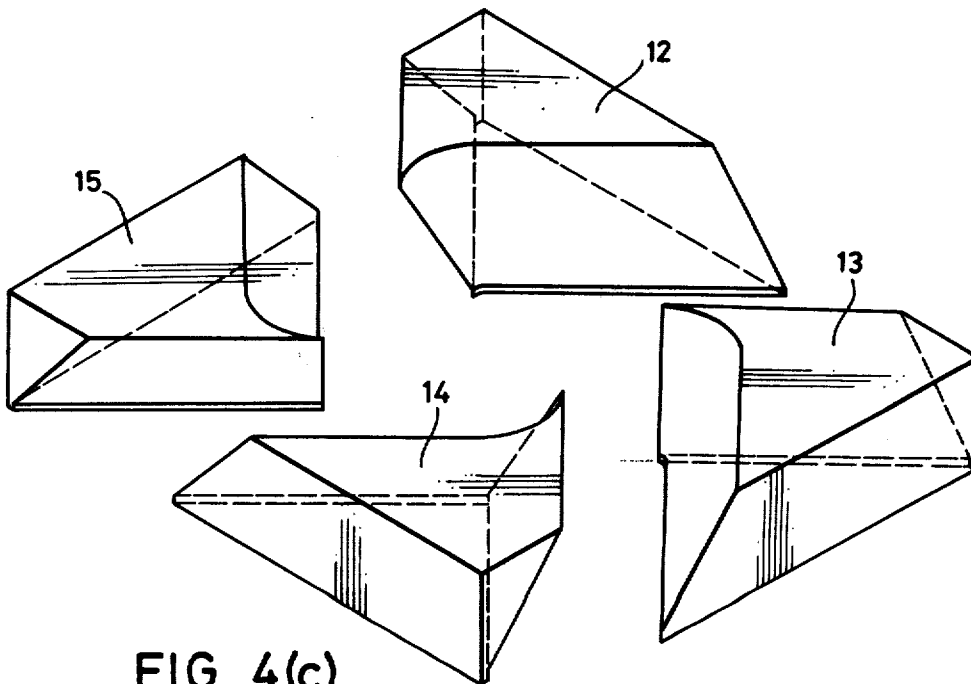


FIG. 4(c)

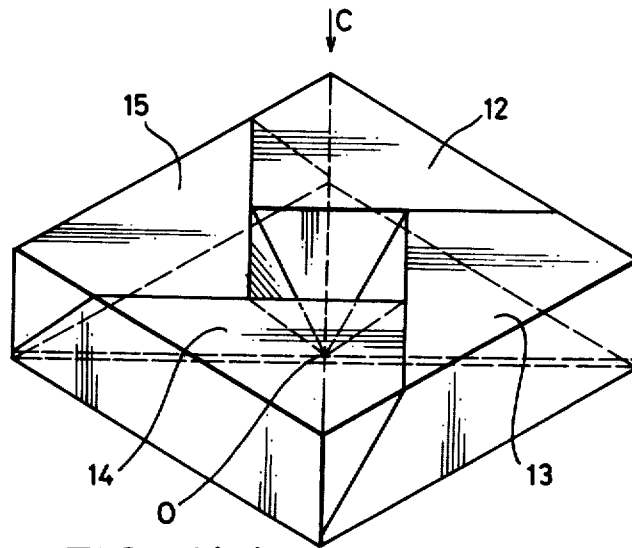


FIG. 5(a)

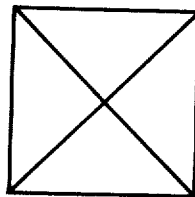


FIG. 5(b)

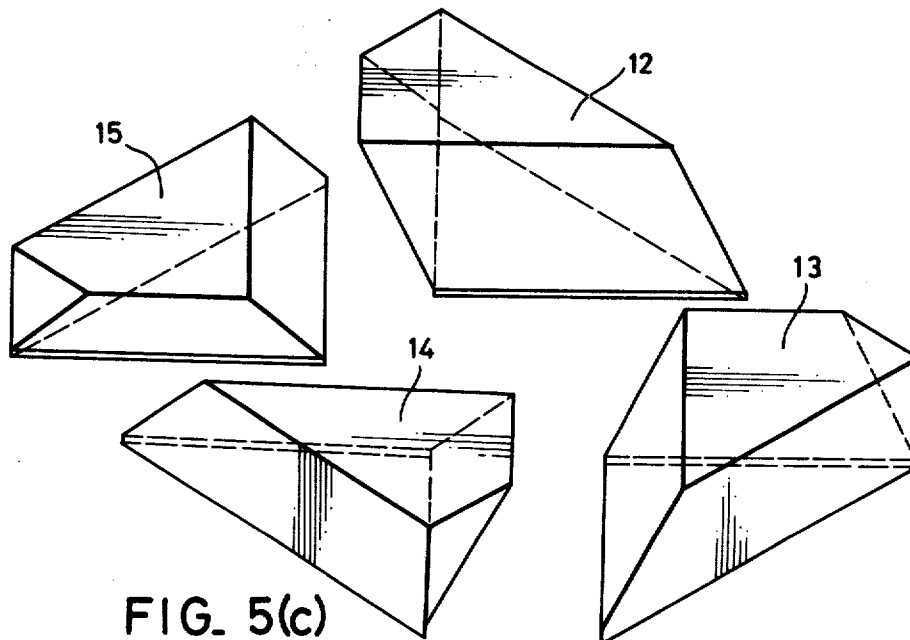


FIG. 5(c)

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