United States Patent [19]

Yasumi

DOCKE

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[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

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

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[45] Jun. 19, 1984

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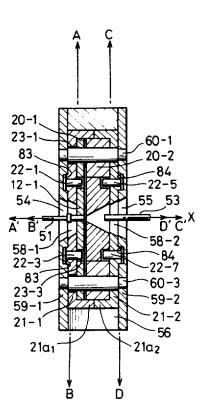
Primary Examiner-Richard R. Stearns

Attorney, Agent, or Firm-Pollock, Vande Sande & Priddy

[57] ABSTRACT

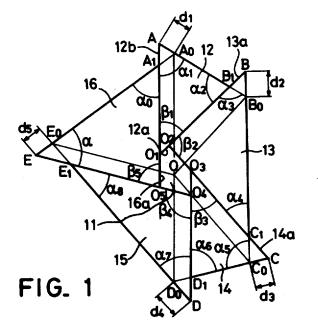
An aperture setting device for use in a drawing die, a chuck and so forth, in which at least three or more substantially triangular movable pieces are sequentially arranged in the form of a ring, an aperture is formed by one end portion of an inner side of each movable piece and the movable piece is 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.

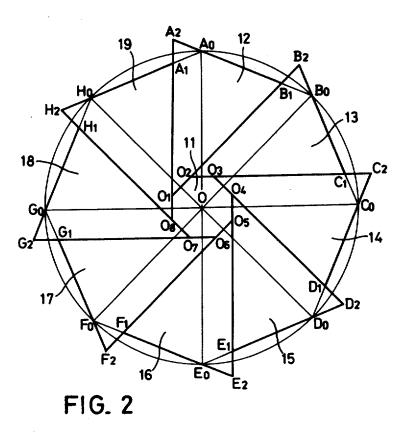
7 Claims, 18 Drawing Figures



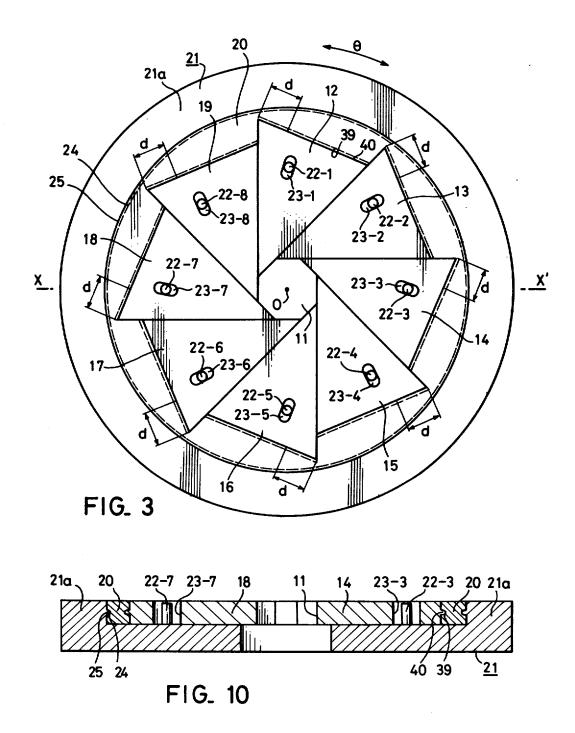
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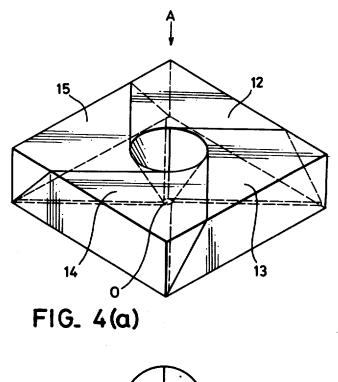


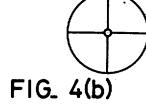


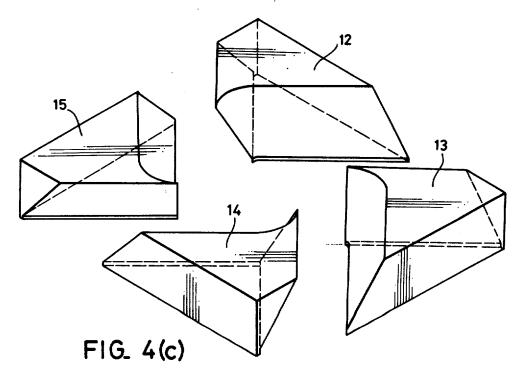
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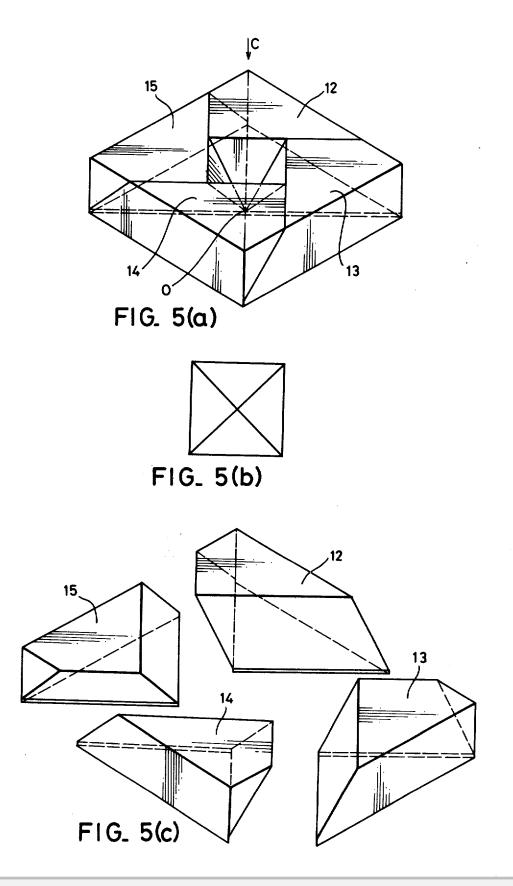
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