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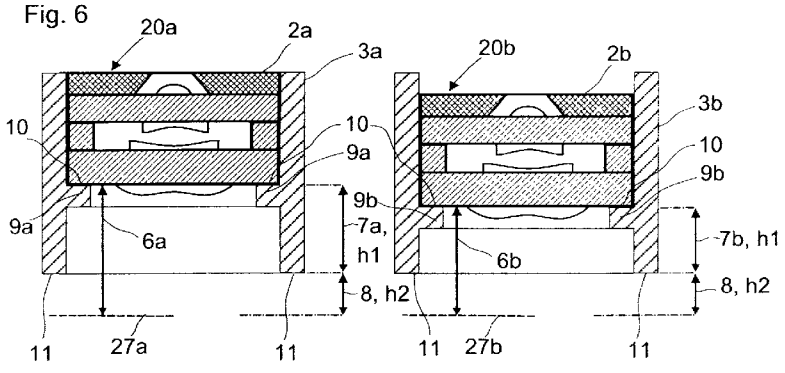
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(54) **Title**: METHOD OF MANUFACTURING A PLURALITY OF OPTICAL DEVICES FOR CAMERAS

Fig. 6



(57) **Abstract**: The invention concerns a method of manufacturing a plurality of optical devices (20a) for cameras, each optical device (20a) having a fix focus lens module (2a) for assembling with an image sensor comprising an image sensor plane (5), each fix focus lens module (2a) comprising one or more lenses (17a, 18a) or lens parts, the method comprises the steps of: • manufacturing a plurality of lens modules (2a..d); • determining a lens module value for each lens module (2a.. d), wherein the lens module value is in relationship with the flange focus length FFL (6a..d) of the corresponding lens module (2a..d); • providing and allocating mount elements (3a..b) to the lens modules (2a.. b, whereas the mount elements (3a..b) are to be arranged within the optical devices (20a) to define a fixed separation distance (6a..b) between the lens modules (2a..b) and the image sensor plane (5), the mount elements (3a..b) having variable mount FFL sections (7a..b) by means of which the geometrical distance (6a) between the lens module (2a) and the image sensor plane (5) is adjusted for each lens module (2a..d) individually or in groups dependent on the optical properties of the lens modules (2a..b), to compensate the variation of the lens module values between the plurality of lens modules (2a.. d), so that the focal planes of the lens modules falls into the image sensor plane (5); • assembling the lens modules (2a) and the mount elements (2a) to form optical devices (20a).

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