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(54) **APPARATUS AND METHOD FOR CAPTURING A DIGITAL IMAGE**

Publication Classification

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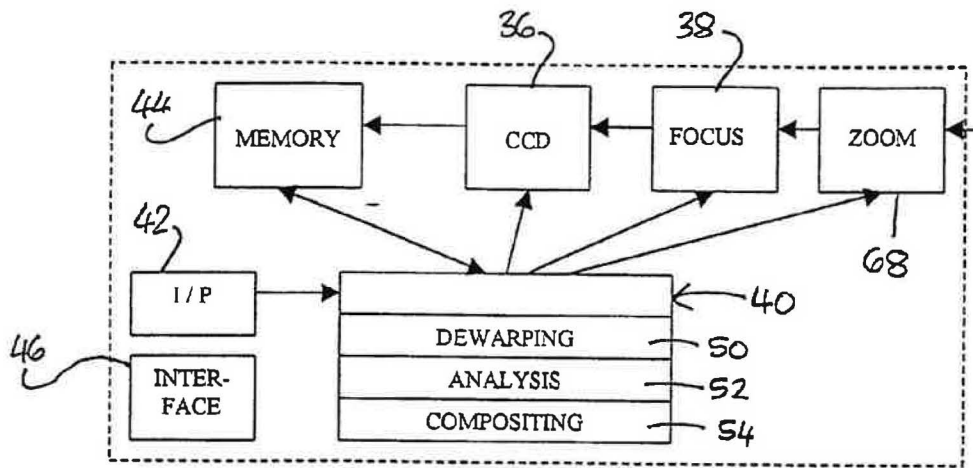
(57) **ABSTRACT**

A camera apparatus obtains a sharp, high-resolution image of an object which is difficult to focus in a single image at a fixed focus, such as the imaging of a document using a document camera held at an oblique angle to the document. The apparatus composites an image of an object from plural image segments of the object acquired at different focusing distances. High quality regions (i.e. sharply focused and/or high resolution) are extracted from each image to form the segments for compositing.

(73) Assignee: **Xerox Corporation**

(21) Appl. No.: **09/737,965**

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exocad GmbH, et al.
Exhibit 1011

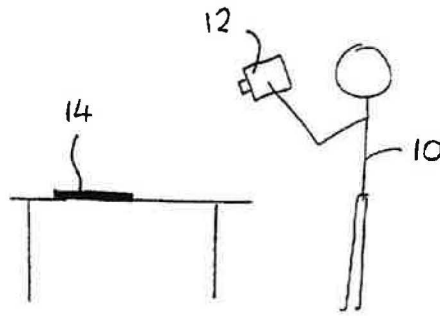


FIG. 1

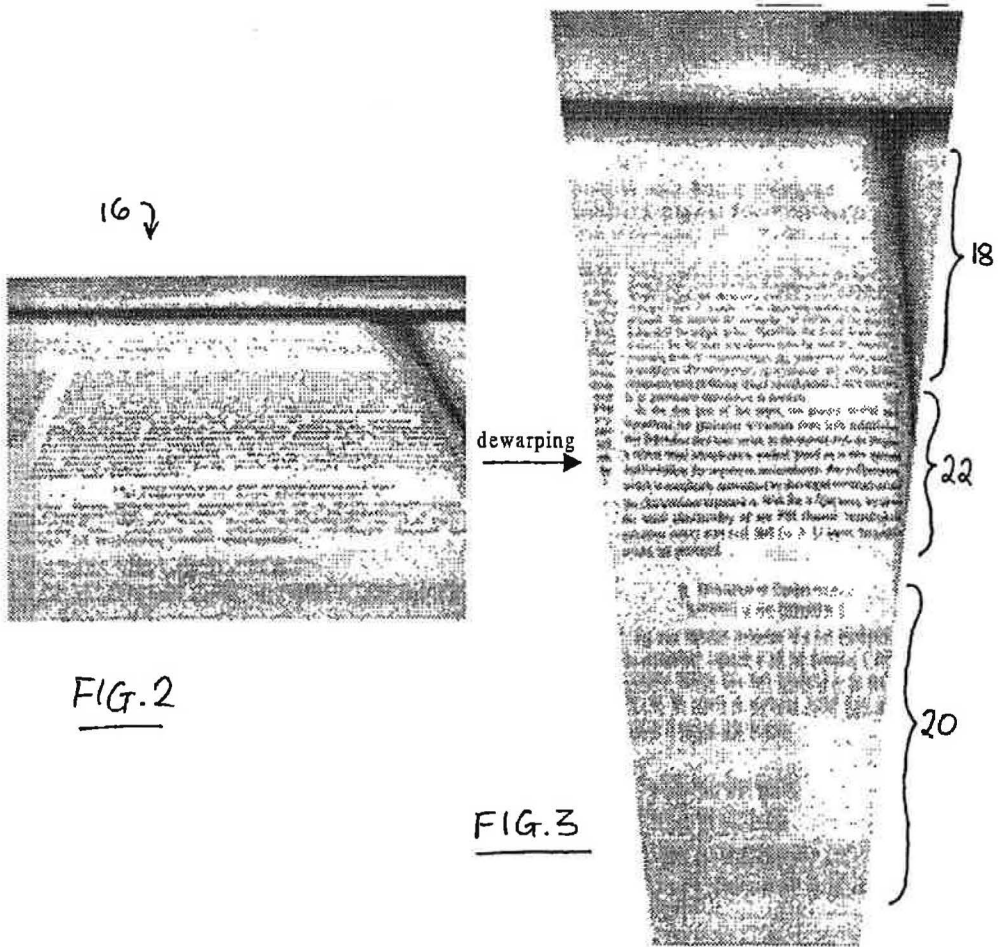


FIG. 2

FIG. 3

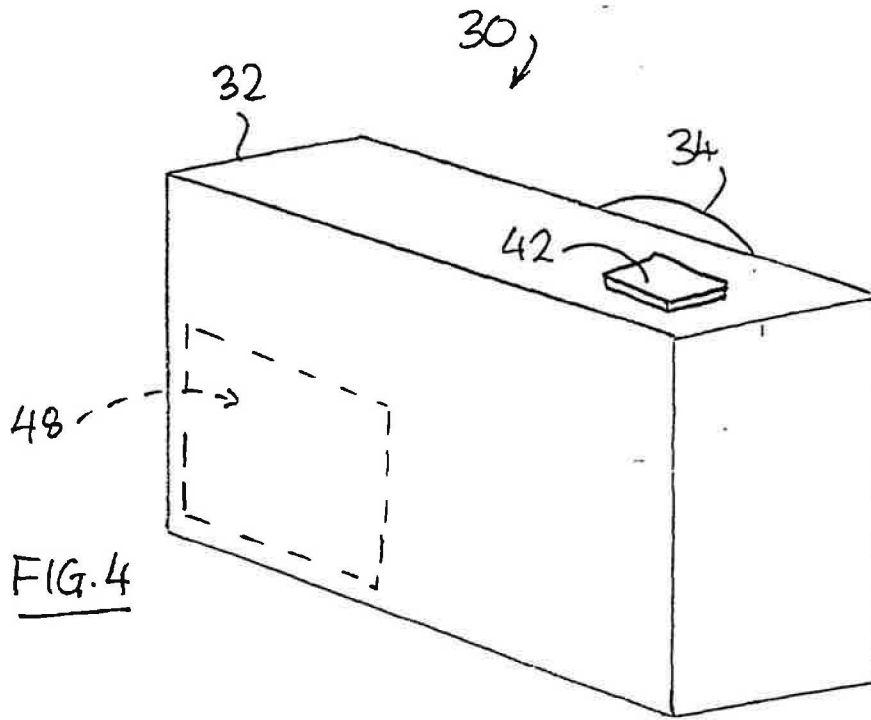


FIG. 4

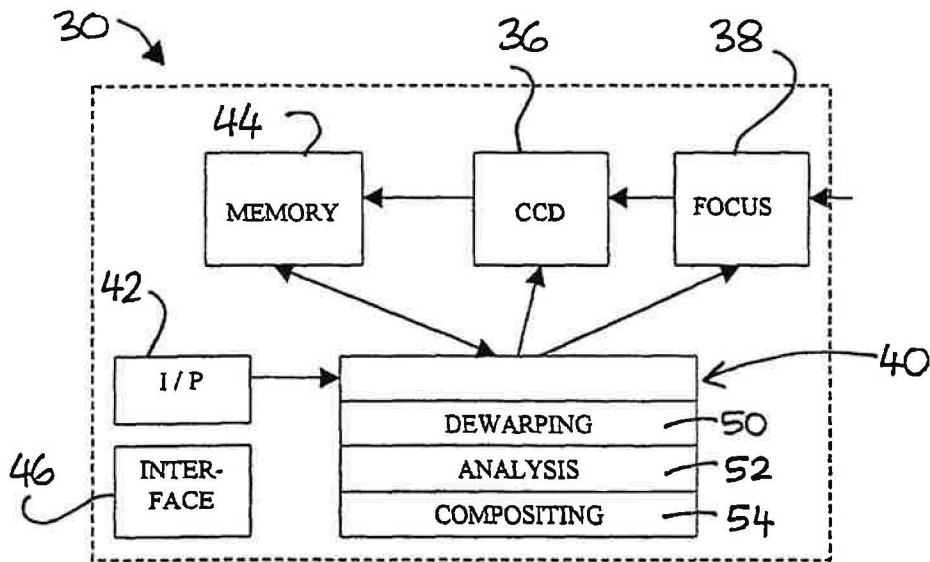


FIG. 5

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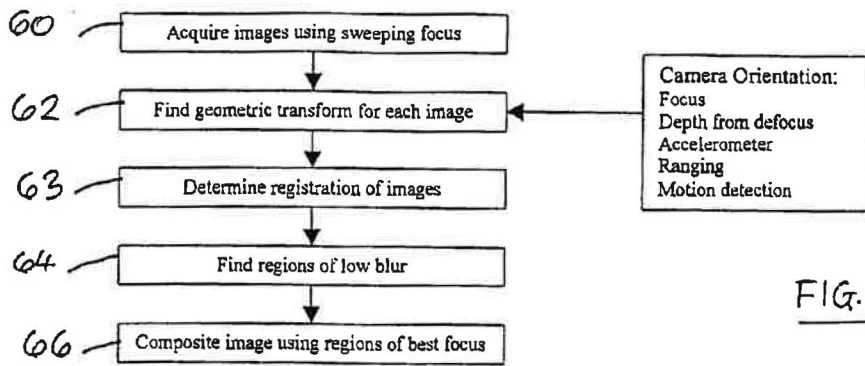


FIG. 6

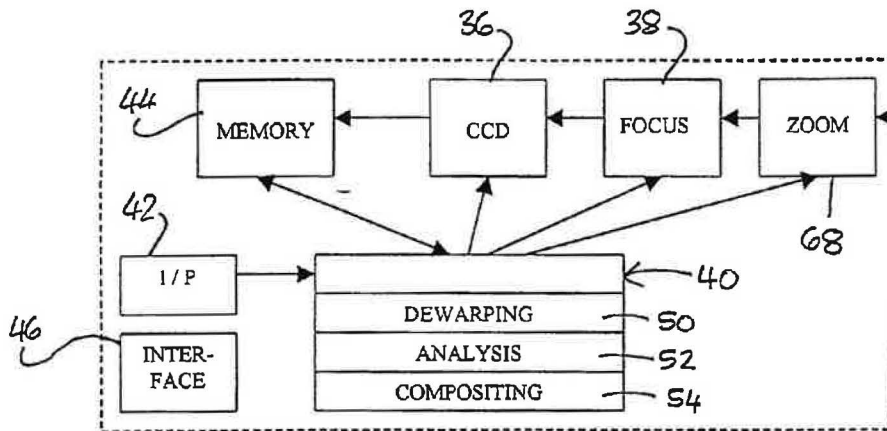


FIG. 7

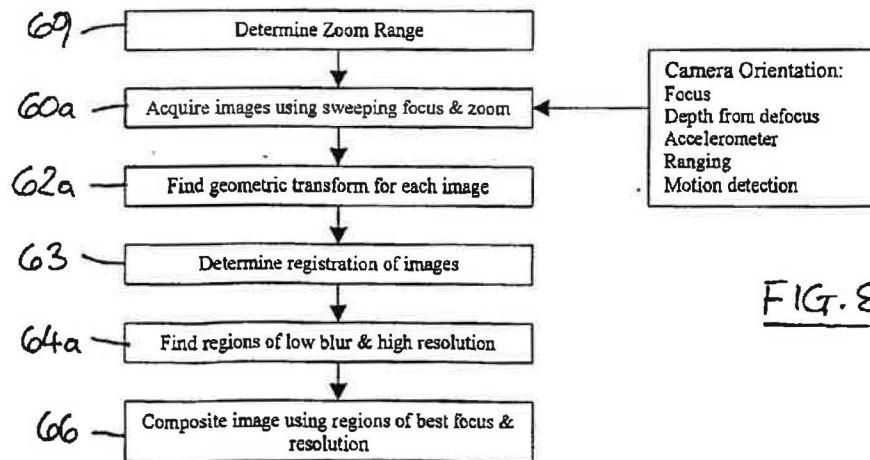
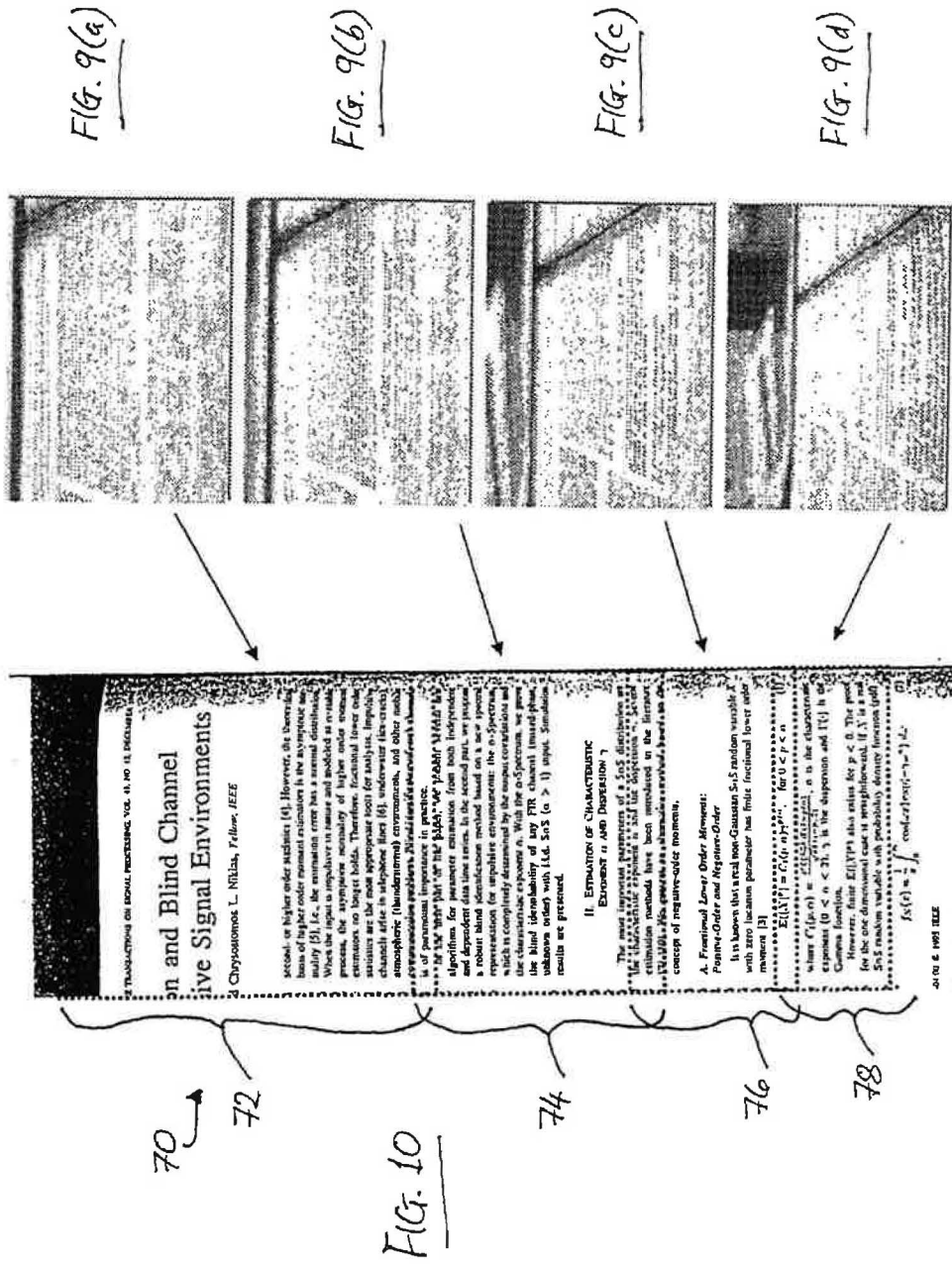


FIG. 8



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