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(54) **PRODUCING DIGITAL IMAGE WITH DIFFERENT RESOLUTION PORTIONS**

Publication Classification

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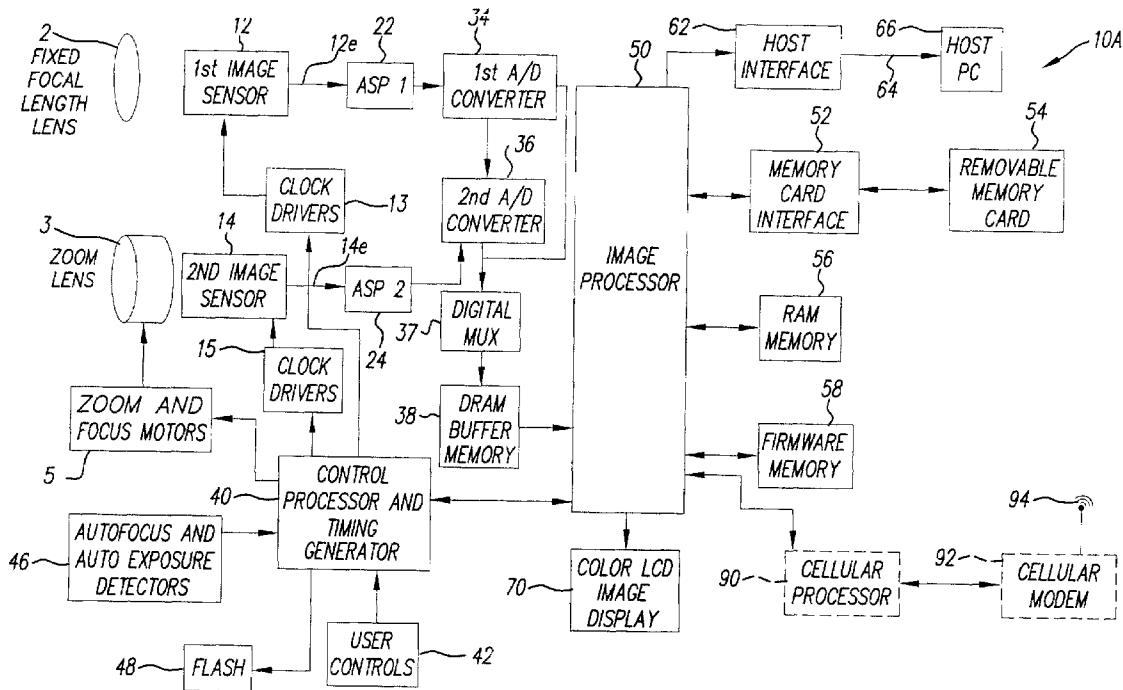
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(57) **ABSTRACT**

A method of producing a digital image with improved resolution during digital zooming, including simultaneously capturing a first low resolution digital image of a scene and a second higher resolution digital image of a portion of substantially the same scene. A composite image is then formed by combining the first low-resolution digital image and a corresponding portion of the high resolution digital image. Digital zooming of the composite image produces a zoomed image with high resolution throughout the zoom range and improved image quality.

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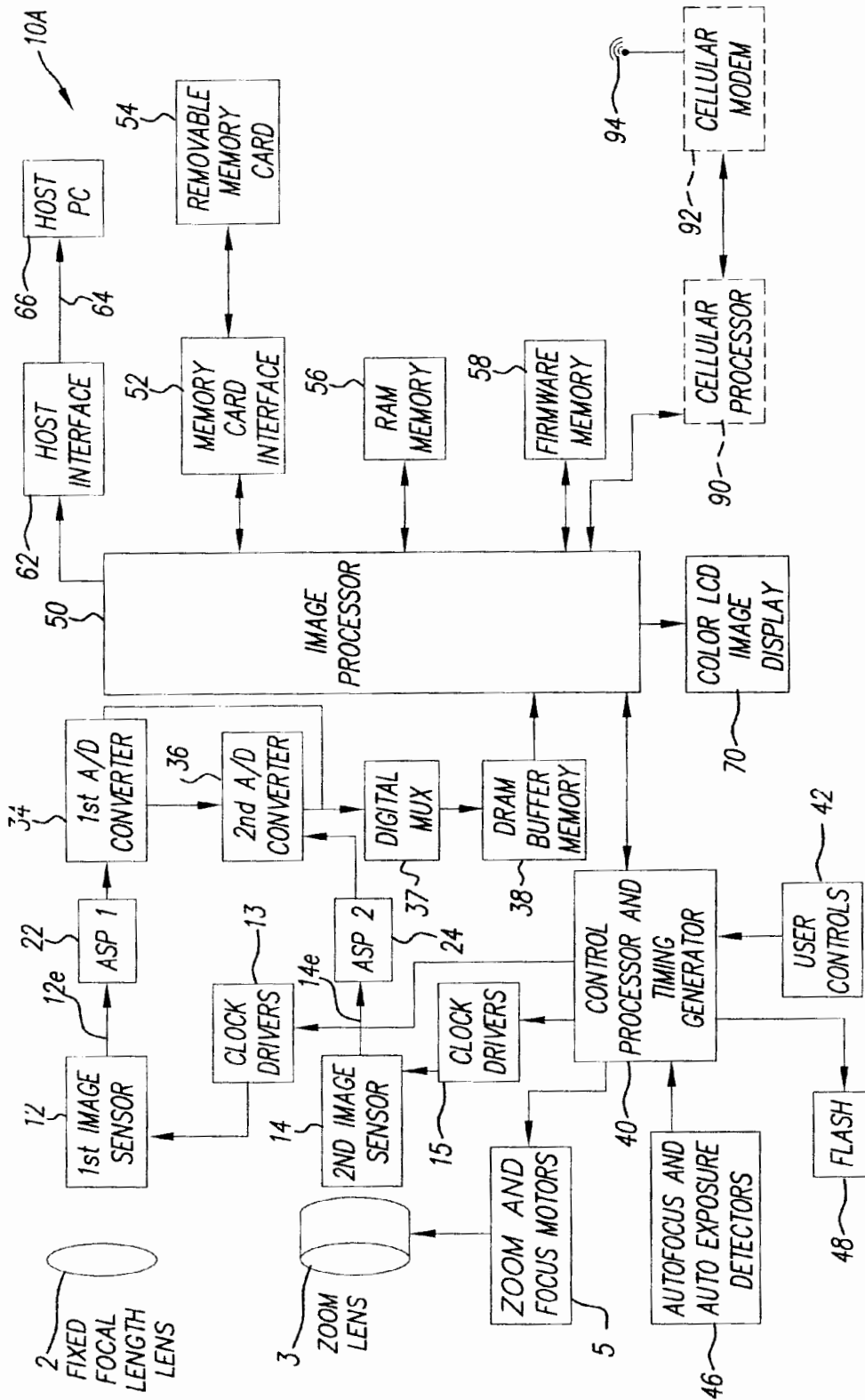


FIG. 1A

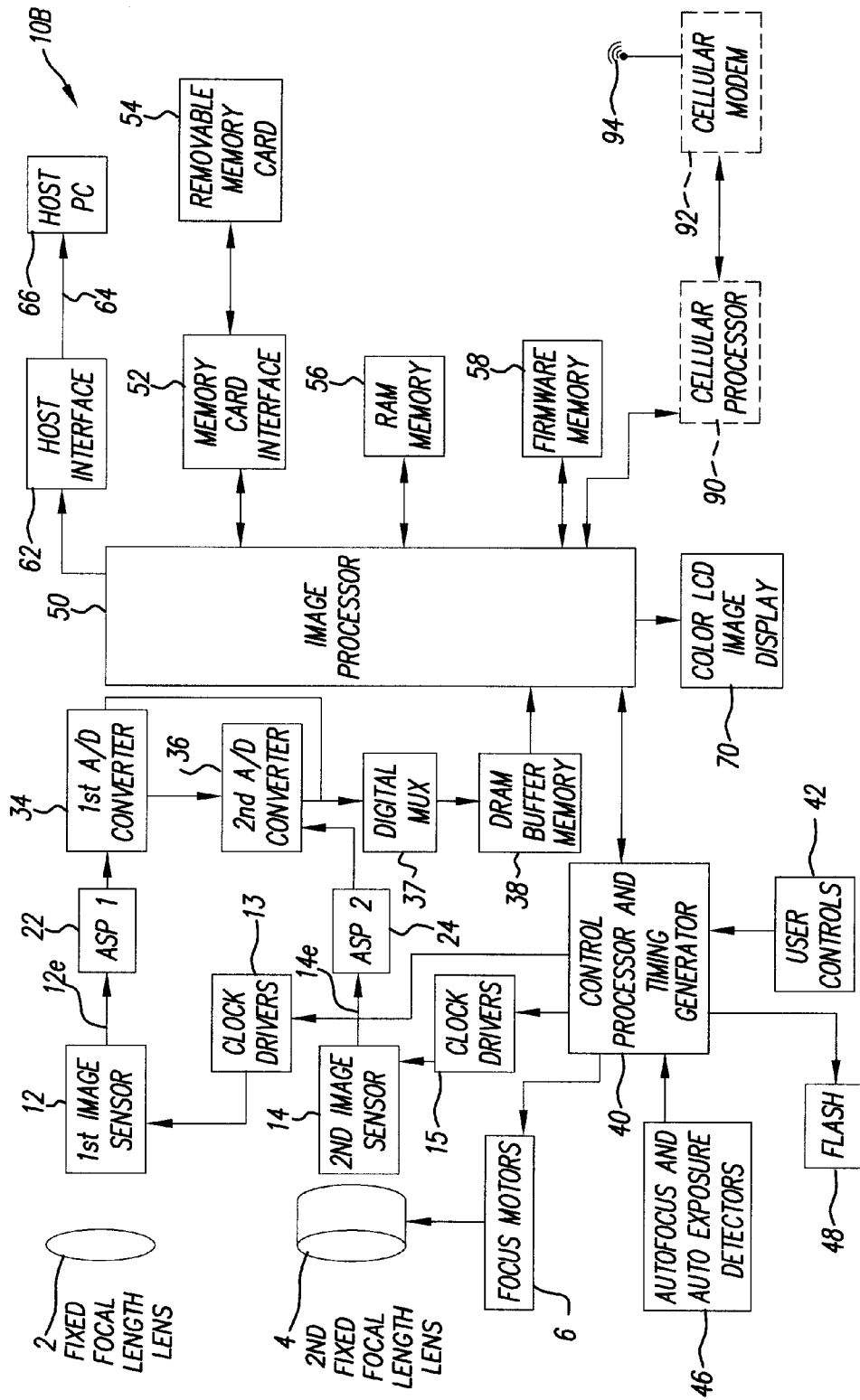


FIG. 1B

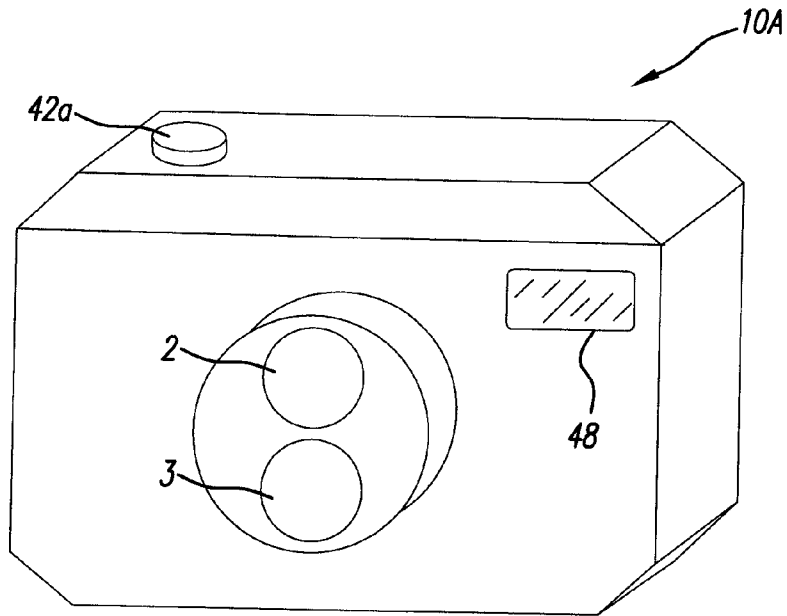


FIG. 2A

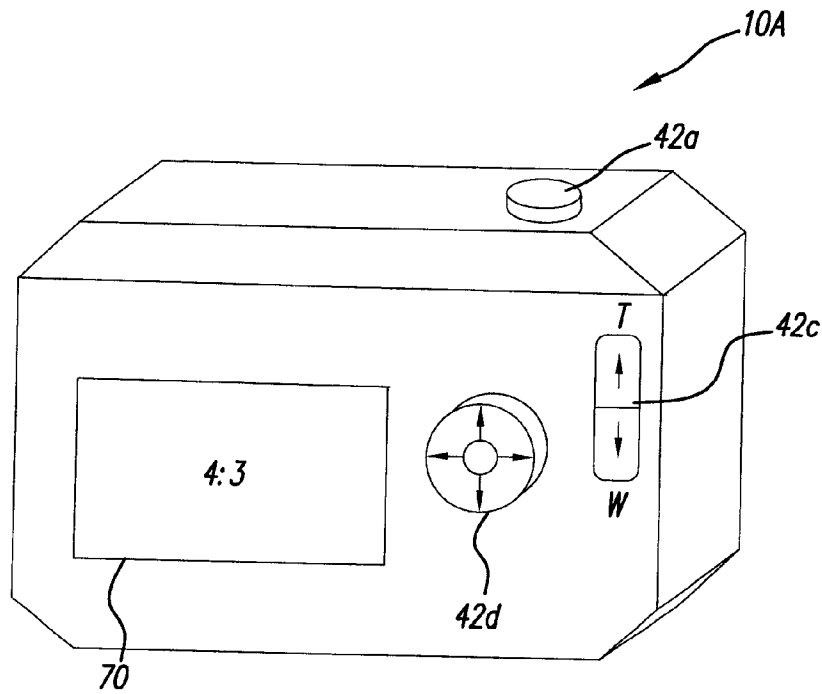


FIG. 2B

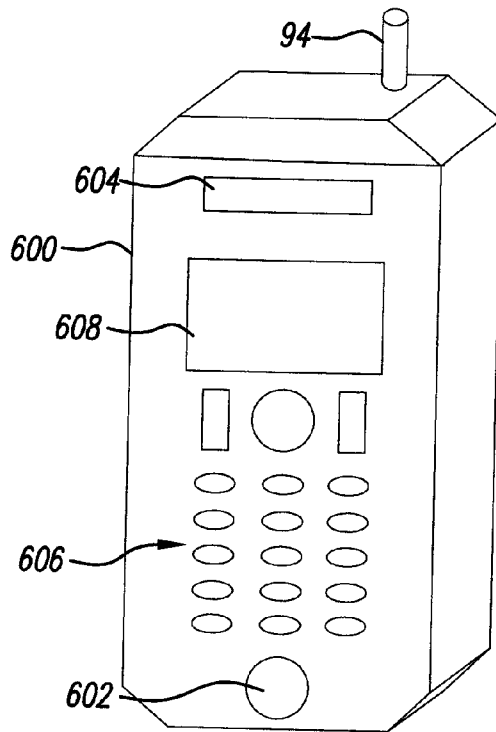


FIG. 3A

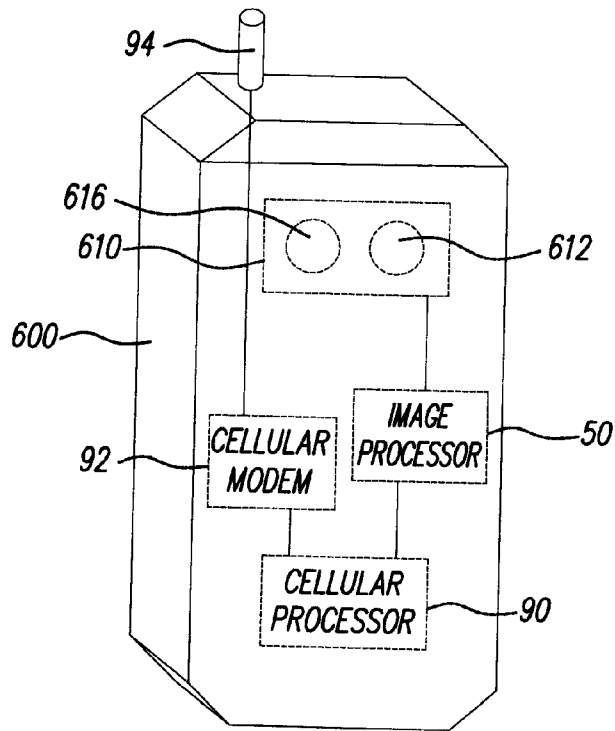


FIG. 3B

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