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(54) **CAPTURING REAL-TIME VIDEO WITH ZOOMING CAPABILITY AND SCANNING HIGH RESOLUTION STILL IMAGES OF DOCUMENTS USING THE SAME APPARATUS**

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(57) **ABSTRACT**

Disclosed is a method of acquiring an image of a target to provide an output video image that has a plurality of frame images. The method includes the steps of receiving a series of frame images from a video camera, using a processor to manipulate the series of frame images, which includes determining a reference resolution for providing output frame images, and displaying and/or storing the manipulated series of frame images as the output video image without changing a resolution of the output frame images. Also disclosed is a document imaging apparatus that includes a digital imaging unit. The document imaging apparatus also includes a processor that is coupled to the digital imaging unit and that is configured to cause the digital imaging unit to zoom in or zoom out in real-time while maintaining a resolution value of stored images constant.

20 Claims, 9 Drawing Sheets