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Kahle

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- (54) **DIGITAL MICROFORM IMAGING APPARATUS**
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- (73) Assignee: **e-ImageData Corp.**, Hartford, WI (US)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(65) **Prior Publication Data**

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Related U.S. Application Data

(63) Continuation of application No. 11/748,692, filed on May 15, 2007, now Pat. No. 8,269,890.

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(51) **Int. Cl.**
G03B 21/10 (2006.01)

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(52) **U.S. Cl.**
USPC 348/487; 382/114; 358/487

(57) **ABSTRACT**

(58) **Field of Classification Search**
USPC 348/487; 382/114
See application file for complete search history.

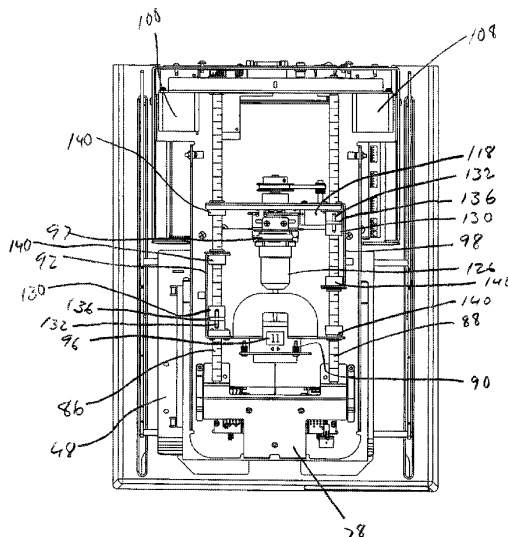
A microform imaging apparatus comprising a chassis including a microform media support structure configured to support a microform media within a plane substantially orthogonal to a first optical axis, a fold mirror supported along the first optical axis to reflect light along a second optical axis that is angled with respect to the first optical axis, a lens supported along one of the first and second optical axis, an area sensor supported along the second optical axis, a first adjuster for moving the area sensor along at least a portion of the second optical axis and a second adjuster for moving the lens along at least a portion of the one of the first and second optical axis.

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53 Claims, 15 Drawing Sheets



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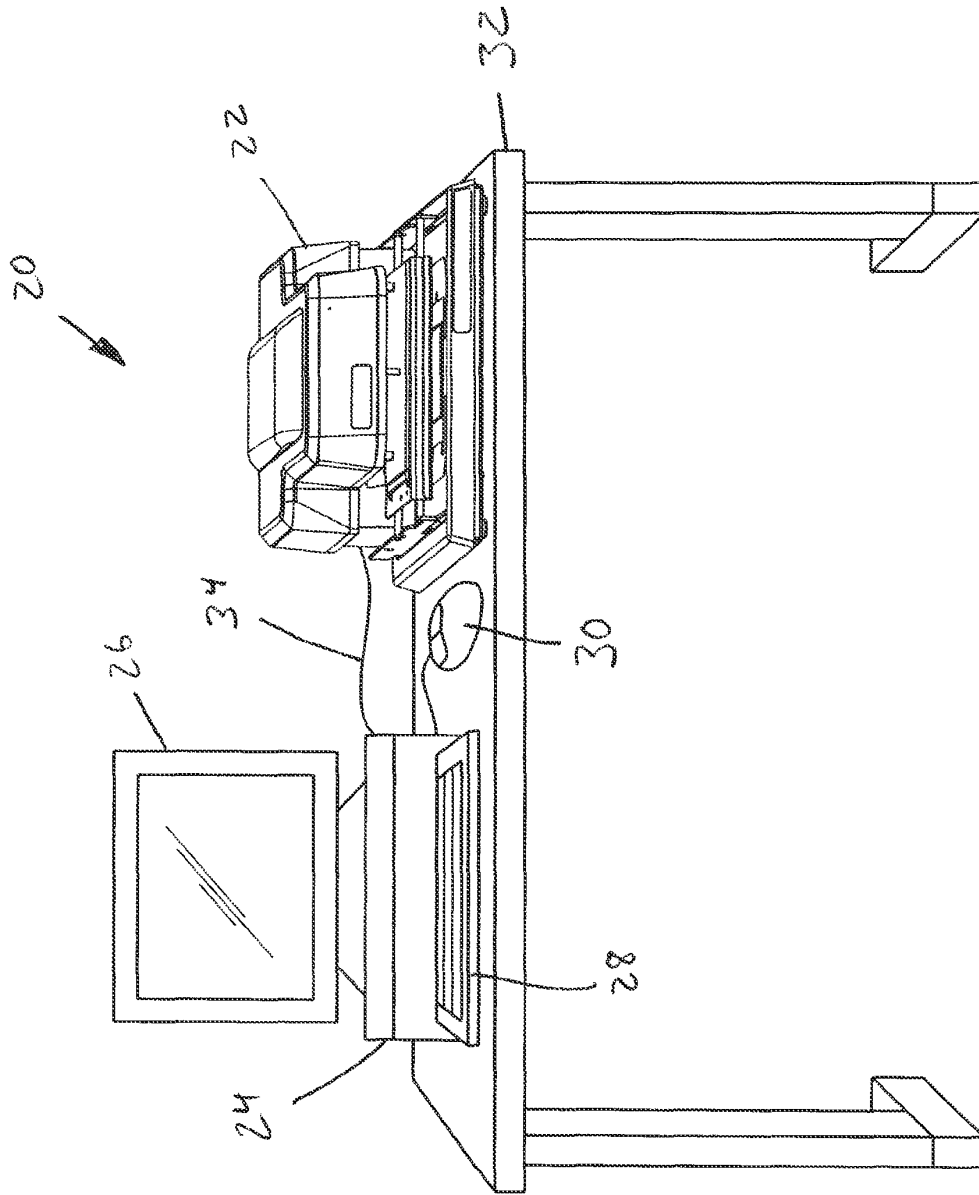


FIG. 1

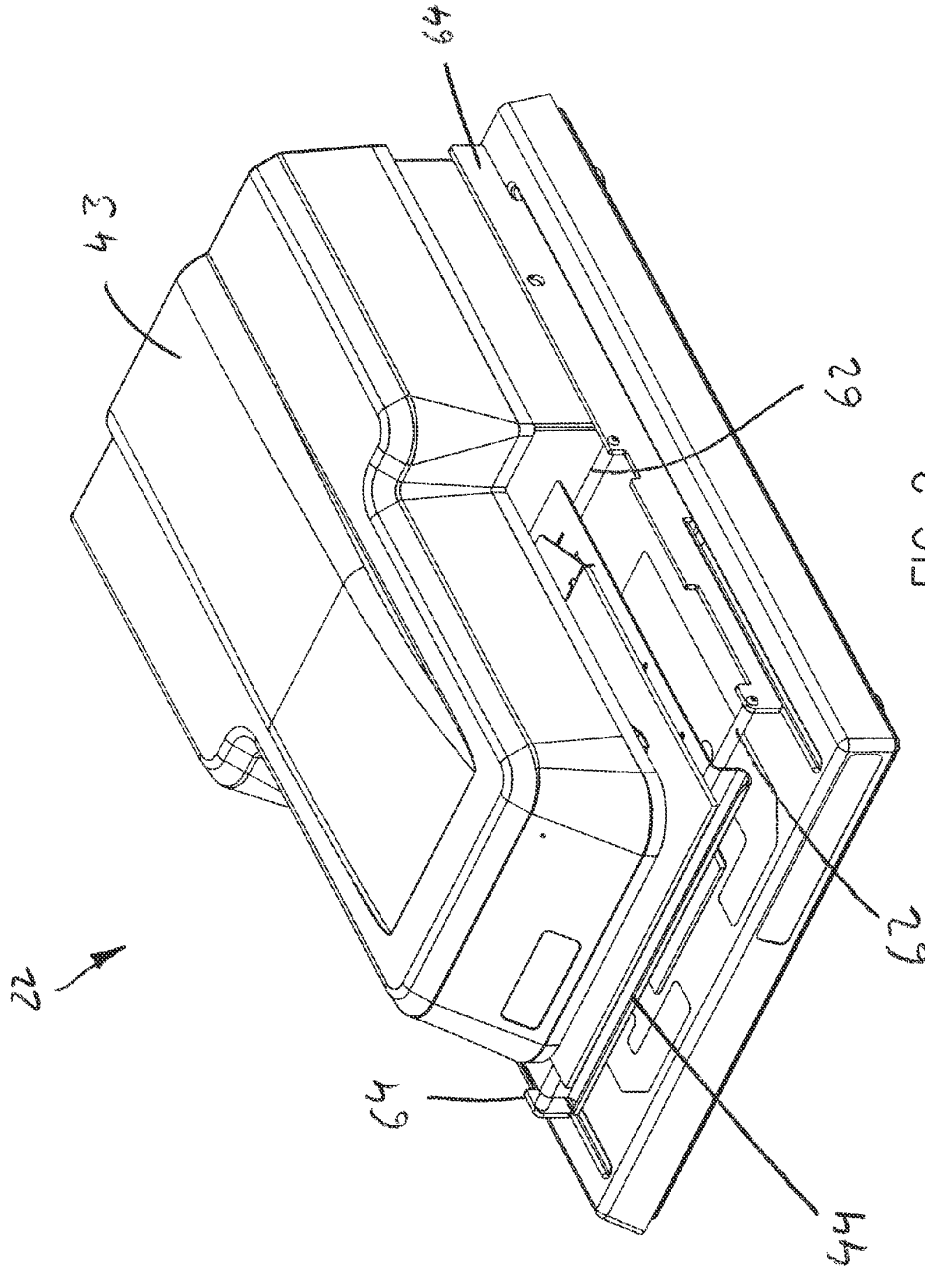
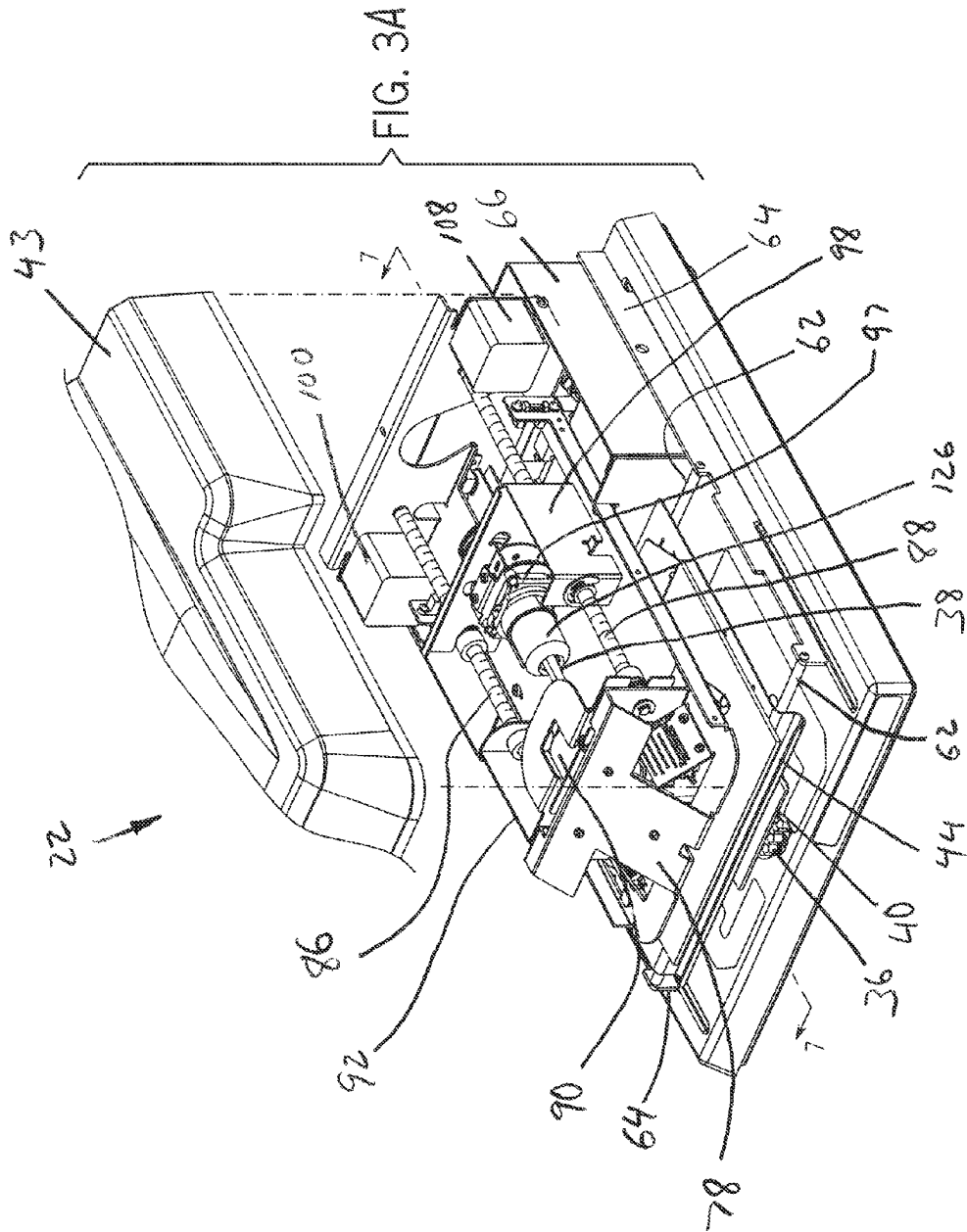


FIG. 2



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