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- (54) **COMPACT FOLDED CAMERA**
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- (58) **Field of Classification Search**
None
See application file for complete search history.

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- (57) **ABSTRACT**
Folded cameras comprising a movable lens having a lens optical axis and positioned in an optical path between an optical path folding element (OPFE) and an image sensor, wherein the OPFE folds light from a first direction to a second direction, the second direction being substantially along the lens optical axis, and an actuator for controlled lens movement, the actuator including or being attached to a shield partially surrounding the lens, the shield having an opening positioned and dimensioned to enable installation of the lens into the shield from an insertion direction substantially parallel to the first direction. A folded camera disclosed herein may be included together with an upright camera in a dual-camera.

15 Claims, 14 Drawing Sheets

