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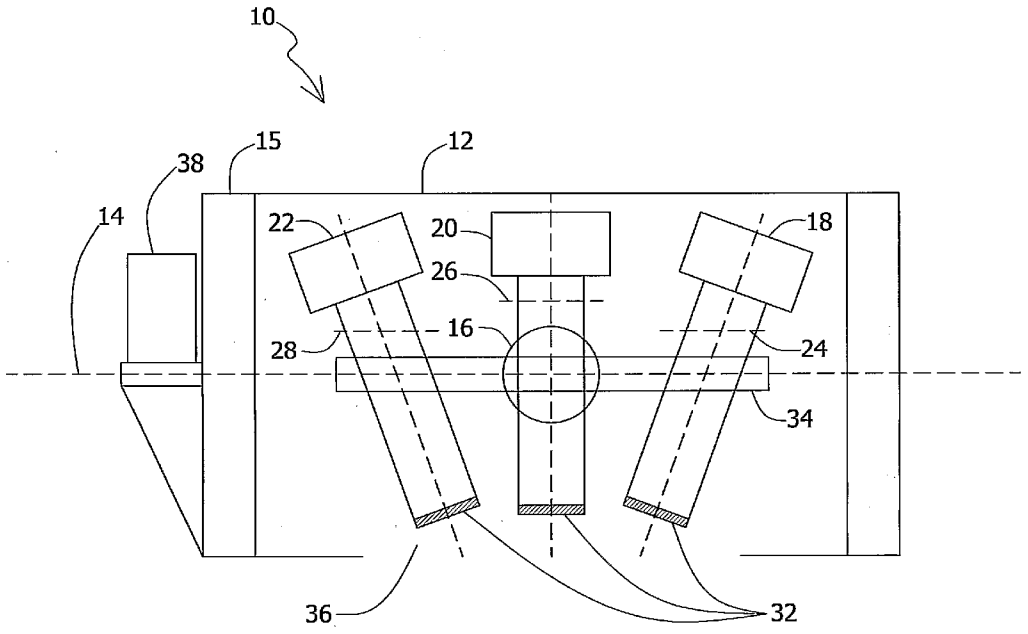
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(54) **Title:** AIRBORNE PHOTOGRAMMETRIC IMAGING SYSTEM AND METHOD



(57) **Abstract:** A photogrammetric imaging system and method that includes a camera array of two or more cameras directed coplanarly at different angles for angular separation. A forward motion correction tiltable support to which the camera array is coupled is provided, adapted to be tilted at a predetermined time and angular velocity for compensating for blur caused by forward motion of a platform on which the system is mounted. A roll mechanism for rolling the 'camera array is provided, allowing sweeping-motion, and a lateral motion correction optical mechanism is also provided for lateral motion correction for each of the cameras compensating for the lateral roll.

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