

Title (en)

A CALIBRATION METHOD AND SYSTEM FOR POSITION MEASUREMENTS

Title (de)

KALIBRATIONSVERFAHREN UND SYSTEM FÜR POSITIONSMESSUNGEN

Title (fr)

PROCEDE ET SYSTEME D'ETALONNAGE DESTINES A DES MESURES DE POSITIONS

Publication

**EP 1859295 A1 20071128 (EN)**

Application

**EP 06711209 A 20060222**

Priority

- IL 2006000227 W 20060222
- IL 16704905 A 20050222

Abstract (en)

[origin: WO2006090368A1] A method and system for reducing systematic errors in an optical system that makes aerial surveillance position measurements. The flight vehicle executes a trajectory within line-of-sight of a reference target object whose actual position is known to a suitable degree of accuracy, and a set of position measurements is made. From these measurements a set of radial error values is derived, based on the known position of the target reference. From this set, coefficients are computed for insertion into functions of one or more input variables, used as compensating factors to reduce the error in the position calculations. These coefficients and compensating factors are then used in making aerial surveillance position measurements for other target objects.

IPC 8 full level

**G01S 7/497** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2006090368A1

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