Title (en)

IMPROVED BORESIGHT WITH SINGLE-BEAM TRIAXIAL MEASUREMENT

Title (de)

VERBESSERTE VISIEREINRICHTUNG MIT EINSTRAHLIG-DREIACHSIGER MESSUNG

Title (fr)

SYSTEME AMELIORE DE LIGNE DE VISEE A MESURE TRIAXIALE UTILISANT UN SEUL FAISCEAU

Publication

EP 0783663 A4 19990414 (EN)

Application

EP 95938138 A 19950929

Priority

- US 9512668 W 19950929
- US 31543894 A 19940930

Abstract (en)

[origin: WO9610729A1] Optical transceiver apparatus for measuring angular misalignment between two bodies in elevation, azimuth and roll utilizes a light transmitter (40) coupled to a first body such as an aircraft fuselage reference and a light receiver (12) coupled to a second body such as an aircraft wing or pylon. The receiver has an elevation/azimuth (EL/AZ) channel and a roll channel sharing a common objective lens, wherein a beam splitter (45) splits the beam generated by the laser diode (10) between the two channels. In the EL/AZ channel lenses are used to focus light onto a position sensitive detector (PSD) (46), while in the roll channel, a Thompson beam-splitting prism (13') or other suitable optimal element divides the two planes of polarization which are then focused on light detectors (16).

IPC 1-7

G01B 11/26; G01C 1/00

IPC 8 full level

G01B 11/26 (2006.01); **G01C 1/00** (2006.01); **H01L 31/16** (2006.01)

CPC (source: EP)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 9610729A1

Cited by

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BE DE DK ES FR GB GR NL SE

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