

Title (en)

COMMON APERTURE TIME-DIVISION-MULTIPLEXED LASER RANGEFINDER

Title (de)

ZEITLICH GEMULTIPLEXTER LASER-RANGEFINDER MIT GEMEINSAMER APERTUR

Title (fr)

TELEMETRE LASER A MULTIPLEXAGE TEMPOREL A OUVERTURE COMMUNE

Publication

EP 1725890 A1 20061129 (EN)

Application

EP 05732475 A 20050307

Priority

- US 2005007761 W 20050307
- US 55226204 P 20040310
- US 2196604 A 20041223

Abstract (en)

[origin: WO2005088341A1] An optical rangefinder includes an optical portion for directing optical radiation from a generator to and through an optical aperture, and for directing reflected energy of the optical radiation that is received back through the aperture to a detector, the optical portion having an optical switch. In a first operational mode the optical switch routes optical radiation from the generator in a manner that facilitates the directing of the optical radiation to and through the optical aperture, and in a second operational mode the optical switch routes the reflected energy in a manner that facilitates the directed of the reflected energy to the detector. A control portion is responsive to the detector, and controls the generator and the optical switch.

IPC 8 full level

G01S 7/481 (2006.01); **F41G 1/48** (2006.01); **F41G 3/06** (2006.01)

CPC (source: EP US)

F41G 1/48 (2013.01 - EP US); **F41G 3/065** (2013.01 - EP US); **G01S 7/4812** (2013.01 - EP US)

Citation (search report)

See references of WO 2005088341A1

Cited by

US11454473B2; US10907934B2; US11287218B2; US11725908B2

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 2005088341 A1 20050922; EP 1725890 A1 20061129; US 2005241207 A1 20051103

DOCDB simple family (application)

US 2005007761 W 20050307; EP 05732475 A 20050307; US 2196604 A 20041223