Title (en)

TELESCOPE AND PAN-FOCAL TELESCOPE COMPRISING PLAN CONVEX OR PLAN CONCAVE LENSES AND DEFLECTING MEANS CONNECTED THERETO

Title (de)

FERNROHR UND PANFOKAL-FERNROHR MIT PLANKONVEX- ODER PLANKONKAVLINSE UND DAMIT VERBUNDENEM UMLENKMITTEL

Title (fr)

TELESCOPE ET TELESCOPE PANFOCAL COMPORTANT UNE LENTILLE PLAN-CONCAVE OU UNE LENTILLE PLAN-CONVEXE ET UN MOYEN DE DEVIATION QUI EST LIE A LA LENTILLE

Publication

EP 1815278 A1 20070808 (DE)

Application

EP 05814475 A 20051128

Priority

- EP 2005012694 W 20051128
- EP 04028208 A 20041127
- EP 05814475 A 20051128

Abstract (en)

[origin: EP1662278A1] Optical unit has a lens (1) that is designed as a Plano convex- or Plano concave lens for directing beam of rays emitted by a transmission unit towards a target object through a mirror system. A prism (6) is on a plane surface of the convex and/or concave lens, where the lens and the prism form a single component. The prism deflects the rays as a transmission beam of rays in a direction of the object. Independent claims are also included for: (A) An application of an optical unit for inward and outward reflection of transmitting and receiving beam of rays; and (B) A panfocal telescope comprising a measuring device.

IPC 8 full level

G02B 5/04 (2006.01); **G01B 11/14** (2006.01); **G01C 1/02** (2006.01); **G02B 3/00** (2006.01); **G02B 5/08** (2006.01); **G02B 23/04** (2006.01)

CPC (source: EP US)

G01C 3/08 (2013.01 - EP US)

Citation (search report)

See references of WO 2006056475A1

Citation (examination)

- WO 2004001333 A1 20031231 - TRIMBLE AB [SE], et al
- WARREN J SMITH: "Modern Lens Design, Secondary Spectrum (Apochromatic Systems)", 1 January 1992, MODERN LENS DESIGN: A RESOURCE MANUAL; [OPTICAL AND ELECTRO-OPTICAL ENGINEERING SERIES], NEW YORK [U.A.] : MCGRAW-HILL, PAGE(S) 72 - 75, ISBN: 978-0-07-0591, XP002600293

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DOCDB simple family (application)

EP 04028208 A 20041127; CN 200580040593 A 20051128; EP 05814475 A 20051128; EP 2005012694 W 20051128; JP 2007541865 A 20051128; US 72018805 A 20051128