

Title (en)
REMOTELY OPERATED LEVELLING DEVICE

Title (de)
FERNGESTEUERTE NIVELLIERVORRICHTUNG

Title (fr)
DISPOSITIF DE NIVELLEMENT TELECOMMANDE

Publication
EP 0803044 A4 19981202 (EN)

Application
EP 95924111 A 19950707

Priority
• AU 9500411 W 19950707
• AU PM673394 A 19940708

Abstract (en)
[origin: WO9601978A1] A remotely operated device by which a single user can perform measurement or levelling tasks comprises an automatically levelling laser beam emitting unit (53) that can be remotely manoeuvred. The laser unit (53) is mounted in a body (50) which is mounted on a rotating base (53). A remote control means transmits signals to a manoeuvring means (21, 60, 61, 62) that controls the rotation of the base (52). A user sets up the device in a central location and moves to a location which must be measured. Using the remote control the laser beam is manoeuvred until directed towards the user and various measurements of height and direction can be made.

IPC 1-7
G01C 1/00; G01C 3/00; G01C 5/00; G01C 9/00; G01C 15/00

IPC 8 full level
G01C 15/00 (2006.01)

CPC (source: EP)
G01C 15/002 (2013.01)

Citation (search report)
• [XY] EP 0141870 A1 19850522 - VL ELEKTROTECHNIK AG [CH]
• [DY] EP 0341812 A1 19891115 - SPECTRA PHYSICS [US]
• [Y] US 3972622 A 19760803 - MASON MARK T, et al
• [Y] US 3790277 A 19740205 - HOGAN W
• [Y] US 5313409 A 19940517 - WIKLUND RUDOLF [SE], et al
• See references of WO 9601978A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9601978 A1 19960125; AU PM673394 A0 19940804; EP 0803044 A1 19971029; EP 0803044 A4 19981202

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AU 9500411 W 19950707; AU PM673394 A 19940708; EP 95924111 A 19950707