

Title (en)

APPARATUS AND METHOD FOR CONDUCTING REMOTE VIDEO INSPECTION FROM ABOVE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VIDEOFERNINSPEKTION VON OBEN

Title (fr)

APPAREIL ET PROCEDE SERVANT A EFFECTUER UNE INSPECTION VIDEO A DISTANCE DEPUIS LE HAUT

Publication

EP 1960763 A4 20110323 (EN)

Application

EP 06804735 A 20061116

Priority

- CA 2006001871 W 20061116
- US 27431605 A 20051116
- US 28020105 A 20051117
- US 28020205 A 20051117

Abstract (en)

[origin: WO2007056855A1] An apparatus for conducting remote subsurface inspections from above is disclosed. The apparatus comprises a support structure, a telescoping mast held by a coupling and born by the support structure, an imaging system held by an extendable portion of the telescoping mast and an offsetting mechanism. The apparatus may further comprise an articulating radial arm with pivots for locating the telescoping mast. The support structure of the apparatus may also include an adaptor section for fitting to a receiver of a hitch of a vehicle. A method for conducting remote subsurface inspections from above is also disclosed. The method of inspection comprises the steps of locating an access point on a working surface, positioning an apparatus for conducting remote subsurface inspections from above, manipulating the telescoping mast above the access point, lowering it and reviewing images from the imaging system.

IPC 8 full level

G01N 21/954 (2006.01); **B60D 1/07** (2006.01); **E02D 29/12** (2006.01); **G01D 11/30** (2006.01); **G01N 21/84** (2006.01); **G06F 17/30** (2006.01); **H04N 7/18** (2006.01)

CPC (source: EP)

E03F 7/12 (2013.01); **H04N 7/183** (2013.01); **G01N 21/954** (2013.01)

Citation (search report)

- [Y] WO 9708633 A1 19970306 - INTEGRATED COMPUTER UTILITIES [US], et al
- [Y] EP 1051037 A2 20001108 - EVEREST VIT INC A NEW JERSEY C [US]
- [A] WO 2005026919 A2 20050324 - CLOUGH BRADFORD ADDISON [US], et al
- See references of WO 2007056855A1

Cited by

CN111115030A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007056855 A1 20070524; AU 2006315034 A1 20070524; CA 2629939 A1 20070524; CA 2716440 A1 20070524; CA 2716440 C 20140211; EP 1960763 A1 20080827; EP 1960763 A4 20110323; EP 2288160 A2 20110223; EP 2288160 A3 20110330

DOCDB simple family (application)

CA 2006001871 W 20061116; AU 2006315034 A 20061116; CA 2629939 A 20061116; CA 2716440 A 20061116; EP 06804735 A 20061116; EP 10185956 A 20061116