

Title (en)
A NON-CONTACT MEASUREMENT DEVICE

Title (de)
MESSVORRICHTUNG ZUR BERÜHRUNGSLOSEN MESSUNG

Title (fr)
DISPOSITIF DE MESURE SANS CONTACT

Publication
EP 1261841 A4 20030917 (EN)

Application
EP 01914787 A 20010309

Priority
• US 0107631 W 20010309
• US 18859200 P 20000310

Abstract (en)
[origin: WO0169172A1] A hand-held or tool integrated measurement device (10) is provided for quickly and accurately performing non-contact measurements of dimension and/or angles associated with various objects in a home or commercial work area. The measurement device (10) generally includes at least one user input element (18), a non-contact sensor (22), an image processor (24), and display element (26) packaged in a portable housing assembly. In operation, a user initiates the measurement by activating the user input element (18) associated with the measurement device (10). The non-contact sensor (22) receives a trigger signal from the user input element (18) and is operative to collect image data representative of at least a portion of the surface of a measured object. The image processor (24) in turn receives the image data from the non-contact sensor (22) and is operative to convert the image data into measurement data for the measured object. The display element (26) is operable to visually display the measurement data to the user.

IPC 1-7
G01B 11/28; G01B 11/02; G01D 21/00; G01B 11/08; G01B 11/24; G01B 11/25; G01B 11/26; G01B 21/02; G01B 21/10; G01B 21/20; G01B 21/22; G01C 3/00; G01C 3/08

IPC 8 full level
G01B 11/02 (2006.01); **G01B 11/08** (2006.01); **G01B 11/25** (2006.01); **G01B 11/26** (2006.01); **G01B 21/02** (2006.01)

CPC (source: EP)
G01B 11/02 (2013.01); **G01B 11/2513** (2013.01); **G01B 11/26** (2013.01)

Citation (search report)
• [XAY] US 4730190 A 19880308 - WIN LESLIE A [US], et al
• [Y] US 4758093 A 19880719 - STERN HOWARD K [US], et al
• [A] US 5850289 A 19981215 - FOWLER GUY RICHARD JOHN [GB], et al
• [XAY] US 5821439 A 19981013 - KIM JONG GEON [KR], et al
• [A] US 5207007 A 19930504 - CUCINOTTA ANTHONY J [US], et al
• See references of WO 0169172A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0169172 A1 20010920; AU 4013801 A 20010924; EP 1261841 A1 20021204; EP 1261841 A4 20030917; JP 2003527590 A 20030916

DOCDB simple family (application)
US 0107631 W 20010309; AU 4013801 A 20010309; EP 01914787 A 20010309; JP 2001568011 A 20010309