631
Patent Number(s): EP2463813-A2; DE102010053914-A1; EP2463813-A3
Title: Device for examining e.g. vertically extending vertical frame, interconnected to stand in e.g. chemical industry, has processing unit partially determining characteristic scaffolding elements from detected scaffolding elements
Inventor Name(s): STOEHR H; JUERCKE R
Patent Assignee(s): BILFINGER BERGER IND SERVICES AG (BILF-Non-standard)
Derwent Primary Accession No.: 2012-G55761
Abstract: NOVELTY - The device has detection units (20-23) detecting a group scaffolding elements selected from vertically extending vertical frame (11), horizontally extending horizontal frame (12), bases (13), floors running diagonal rods (14) and guide rails (15). A processing unit partially and automatically determines a characteristic (32) the scaffolding elements from the detected scaffolding elements. The detection units detect and receive digital images (31) the scaffolding elements, and the processing unit determines the characteristic the scaffolding elements from the detected images.
USE - Device for examining scaffolding elements e.g. vertically extending vertical frame, horizontally extending horizontal frame, base, floors running diagonal rods and guide rails, interconnected to a stand in a chemical industry, petro-chemical industry and energy producing industry.
ADVANTAGE - The device examines the scaffolding elements in rapid and reliable manner.
DETAILED DESCRIPTION - The detection units detect the group scaffolding elements using electromagnetic waves that are selected from visible light radiation, UV radiation, infrared radiation, terahertz or microwave radiation, and/or using acoustic waves i.e. ultrasound. INDEPENDENT CLAIMS are also included for the following:
(1) a system for examining an existing group scaffolding elements interconnected to a stand, comprising radio-frequency identification elements
(2) a method for examining an existing group scaffolding elements interconnected to a stand.
DESCRIPTION DRAWING(S) - The drawing shows a schematic view a device for examining scaffolding elements interconnected to a stand.
Vertically extending vertical frame (11)
Horizontally extending horizontal frame (12)
Bases (13)
Floors running diagonal rods (14)
Guide rails (15)
Detection units (20-23)
Digital images (31)
Characteristic scaffolding elements (32)
Drawing:
Derwent Class Code(s): Q46 (Building aids, special structures); S02 (Engineering Instrumentation, ing equipment, general testing methods); T01 (Digital Computers); T04 (Computer Peripheral Equipment); W06 (Aviation, Marine and Radar Systems)
Derwent Manual Code(s): S02-B04; T01-J05A2; T04-K03B; W06-A06
IPC: E04G-001/00; G01C-011/00; G01C-015/00; G01S-017/00; G06Q-010/06; E04G-005/00
Patent Details:

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
EP2463813-A2	13 Jun 2012	G06Q-010/06	201240	Pages: 11	German
DE102010053914-A1	14 Jun 2012	E04G-005/00	201240		German
EP2463813-A3	20 Jun 2012	G06Q-010/06	201240		German

Application Details and Date:

EP2463813-A2 EP009078 15 Nov 2011

DE102010053914-A1 DE10053914 09 Dec 2010

EP2463813-A3 EP009078 15 Nov 2011

Priority Application Information and Date:

DE10053914 09 Dec 2010

Designated States:

EP2463813-A2:

(Regional): AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME

EP2463813-A3:

(Regional): AL; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; BA; ME

Cited Patent(s):

DE102010053914-A1 DE4119180-C2 MERKEL P (MERK-Individual)

DE10154861-A1 IBEO AUTOMOBILE SENSOR GMBH (IBEO-Non-standard) LAGES U; HIPP J; KRZIKALLA R; KAMMERING R

DE202008011343-U1 UNIV DRESDEN TECH (UYDR)

DE202008011345-U1 UNIV DRESDEN TECH (UYDR)