

Title (en)

Apparatus for inspecting and sorting of fasteners

Title (de)

Vorrichtung zur Prüfung und Sortierung von Befestigungselementen

Title (fr)

Appareil d'inspection et de tri des éléments de fixation

Publication

**EP 2058057 A1 20090513 (EN)**

Application

**EP 08152710 A 20080313**

Priority

EP 08152710 A 20080313

Abstract (en)

The present invention pertains to an apparatus (3) for fastener inspection and sorting mainly comprising an auxiliary device (5) disposed beside the turntable (32) and attached to an inspecting machine (33) . The device (5) has a support base (51) located adjacent to the turntable (32) and a driving assembly (52) mounted on the base (51). In this manner, the inspecting machine (33) captures defect signals of each object (4) in different orientations by means of the device (5) driving the machine (33) to automatically revolve round the object or by the magnetic attraction assisting in spinning the object when the machine is immobile, thereby transmitting integral signals to the determining machine for an accurate determinations and hence increasing the quality of the inspection and sorting.

IPC 8 full level

**B07C 5/342** (2006.01)

CPC (source: EP)

**B07C 5/34** (2013.01)

Citation (search report)

- [X] US 2006244953 A1 20061102 - WEI WONG SOON [SG], et al
- [X] US 2003222979 A1 20031204 - LIU YING-CHUNG [TW]
- [X] DE 4310464 A1 19941006 - KAPPNER HELMUT A [DE]
- [E] DE 202008003255 U1 20080515 - WU CHUN NAN [TW]
- [A] GB 2266774 A 19931110 - AUTOMATION ASSOCIATES INC [US]
- [A] WO 03087712 A1 20031023 - CUBE LOGIC SYSTEMS PROPRIETARY [AU], et al

Cited by

ITMI20090698A1; CN114101110A; CN104181166A; CN104438119A; CN104142340A; CN113210296A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2058057 A1 20090513; EP 2058057 B1 20091223**; AT E452714 T1 20100115; DE 602008000447 D1 20100204

DOCDB simple family (application)

**EP 08152710 A 20080313**; AT 08152710 T 20080313; DE 602008000447 T 20080313