

Title (en)

Method and Apparatus for checking rod-shaped objects, in particular cigarettes

Title (de)

Verfahren und Vorrichtung zum Überprüfen von stabförmigen Gegenständen, insbesondere Zigaretten

Title (fr)

Procédé et dispositif pour vérifier des objets type tiges, en particulier cigarettes

Publication

EP 1419967 B1 20100714 (DE)

Application

EP 03025170 A 20031104

Priority

DE 10252913 A 20021112

Abstract (en)

[origin: EP1419967A1] Process for testing rod-shaped objects, especially cigarettes (12), uses at least one plunger (21) axially displaceably mounted in at least one displaceable testing element (20). Each testing element is displaced in the direction of the objects and each plunger is deviated on contact with an object to produce an electrically evaluable signal. On production of this signal the position of the testing element is determined and evaluated. In the case of a number of plungers, the position of each testing element is determined for each signal produced by each plunger. An Independent claim is also included for a device used for testing rod-shaped objects, especially cigarettes.

IPC 8 full level

B65B 19/30 (2006.01); **B65B 57/10** (2006.01); **A24C 5/343** (2006.01); **A24C 5/345** (2006.01); **B65B 19/32** (2006.01)

CPC (source: EP US)

A24C 5/343 (2013.01 - EP US); **B65B 19/30** (2013.01 - EP US); **B65B 19/32** (2013.01 - EP US)

Cited by

DE102011110251A1; CN102616403A; CN103029858A; CN103040606A; CN109956076A; EP2530023A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 1419967 A1 20040519; **EP 1419967 B1 20100714**; BR 0305312 A 20040615; BR 0305312 B1 20121225; CN 100492002 C 20090527; CN 1501078 A 20040602; DE 10252913 A1 20040527; DE 50312881 D1 20100826; JP 2004159658 A 20040610; US 2004148908 A1 20040805; US 7021125 B2 20060404

DOCDB simple family (application)

EP 03025170 A 20031104; BR 0305312 A 20031111; CN 200310114311 A 20031112; DE 10252913 A 20021112; DE 50312881 T 20031104; JP 2003380981 A 20031111; US 70005903 A 20031104