

Title (en)

Method and apparatus for inspecting cigarette ends

Title (de)

Verfahren und Vorrichtung zum Prüfen von Zigarettenköpfen

Title (fr)

Procédé et appareil pour contrôler des bouts de cigarettes

Publication

EP 1176092 B1 20050928 (DE)

Application

EP 01118002 A 20010725

Priority

DE 10037098 A 20000728

Abstract (en)

[origin: EP1176092A1] The procedure for the testing of the tobacco side ends (11) of cigarettes entails irradiating areas with structured light. A detector (20) receives the reflected light and produces an image corresponding to one of these areas. After evaluation of this image and recognition of non-regular cigarette a rejection signal is generated. The irradiated areas are each constructed surface area-dependent and each image is evaluated on the basis of different criteria such as minimum or maximum diameter of an image, the elongation of an image, or compactness. An Independent claim is included for a system for the testing of cigarette ends.

IPC 1-7

B65B 19/30; **A24C 5/34**

IPC 8 full level

A24C 5/34 (2006.01); **B65B 19/30** (2006.01)

CPC (source: EP)

A24C 5/3412 (2013.01); **B65B 19/30** (2013.01)

Cited by

DE102012210031A1; DE102012203579B3; DE102013209816A1; CN104181169A; EP2837294A1; EP2677273A1; CN103504471A; CN103504472A; EP2636320A1; WO2004083834A1; EP2679950A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 1176092 A1 20020130; **EP 1176092 B1 20050928**; DE 10037098 A1 20020207; DE 50107548 D1 20060209

DOCDB simple family (application)

EP 01118002 A 20010725; DE 10037098 A 20000728; DE 50107548 T 20010725