

Title (en)

METHOD AND APPARATUS FOR INSPECTING CIGARETTE ENDS

Title (de)

Verfahren und Vorrichtung zum Prüfen von Zigarettenköpfen

Title (fr)

PROCEDE ET APPAREIL POUR CONTROLER DES BOUTS DE CIGARETTES

Publication

EP 1057727 B1 20040331 (DE)

Application

EP 00108232 A 20000414

Priority

DE 19921725 A 19990512

Abstract (en)

[origin: DE19921725A1] Procedure in which the end of a cigarette (25) is illuminated from two light sources so that two light strips are formed on its end. The reflected light (33) forms an image of these strips and is captured and analyzed by a detector (32). The difference in separation between the two reflected light strips is used to determine that the tobacco end of the cigarette is correctly filled. An Independent claim is made for a device for testing the ends of cigarettes to make sure they are correctly filled.

IPC 1-7

B65B 19/30

IPC 8 full level

A24C 5/34 (2006.01); **B65B 19/30** (2006.01); **G01B 11/00** (2006.01); **G01N 21/84** (2006.01)

CPC (source: EP US)

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

Cited by

EP3379490A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

DE 19921725 A1 20001116; BR 0002416 A 20010102; CN 1135072 C 20040121; CN 1276999 A 20001220; DE 50005848 D1 20040506; EP 1057727 A1 20001206; EP 1057727 B1 20040331; JP 2000350569 A 20001219; US 6437317 B1 20020820

DOCDB simple family (application)

DE 19921725 A 19990512; BR 0002416 A 20000511; CN 00108343 A 20000512; DE 50005848 T 20000414; EP 00108232 A 20000414; JP 2000137123 A 20000510; US 56701700 A 20000509