

Title (en)

Optical cigarette filling control device

Title (de)

Optische Prüfvorrichtung beim Füllen von Zigaretten

Title (fr)

Appareil d'inspection optique pour le remplissage de cigarettes

Publication

EP 0585686 B1 19971112 (EN)

Application

EP 93112964 A 19930812

Priority

IT BO920312 A 19920903

Abstract (en)

[origin: EP0585686A1] An optical device (1) for controlling the filling of cigarettes (3) and presenting a sensor (12); a lens (7) with a fixed focus (9); a given focusing plane (10); and a substantially zero depth of field; the cigarette (3) being positioned with its open end coplanar with the focusing plane (10); and the sensor (12) detecting the contrast of the image produced by the lens (7). <IMAGE>

IPC 1-7

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

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; DE102012210037A1; EP1233685A4; DE102012203579B3; EP0843974A3; EP1057727A1; EP0857651A1; US6050424A; EP1053942A1; EP0630586A3; US5596187A; US6407807B1; EP2636320A1; US6437317B1; US6169600B1; EP2677273A1; EP2679950A1; EP0630586B2

Designated contracting state (EPC)

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