

Title (en)

Device for checking cigarettes

Title (de)

Vorrichtung zum Prüfen von Zigaretten

Title (fr)

Dispositif pour contrôler des cigarettes

Publication

EP 0731024 B1 19981125 (DE)

Application

EP 96107154 A 19940129

Priority

- DE 4302777 A 19930202
- EP 94906175 A 19940129

Abstract (en)

[origin: EP0731024A2] The tips (27) of the cigarettes (10) in a magazine (12) are tested by emission of a beam of light in the longitudinal direction from a source (28/29). Two receivers (30,31) arranged on either side are constituted by planar Si photodetectors which receive light over the entire surface to provide a large region of measurement. The two test units (24,25) are movable and at least the lower unit (25) can be displaced longitudinally for removal of cigarettes from the magazine.

IPC 1-7

B65B 19/30

IPC 8 full level

B65B 57/00 (2006.01); **A24C 5/34** (2006.01); **B65B 19/30** (2006.01)

CPC (source: EP US)

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

Cited by

EP2080439A1; US6169600B1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0731024 A2 19960911; **EP 0731024 A3 19961120**; **EP 0731024 B1 19981125**; BR 9405821 A 19951226; DE 4302777 A1 19940804; DE 59401267 D1 19970123; DE 59407353 D1 19990107; EP 0681545 A1 19951115; EP 0681545 B1 19961211; JP H08506308 A 19960709; US 5675144 A 19971007; WO 9418074 A1 19940818

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EP 96107154 A 19940129; BR 9405821 A 19940129; DE 4302777 A 19930202; DE 59401267 T 19940129; DE 59407353 T 19940129; EP 9400260 W 19940129; EP 94906175 A 19940129; JP 51760594 A 19940129; US 44674695 A 19950622