

Title (en)

Optical device for checking the cigarette tips.

Title (de)

Optische Einrichtung für die Prüfung des Endes von Zigaretten.

Title (fr)

Dispositif optique pour vérifier l'extrémité des cigarettes.

Publication

EP 0370231 B1 19950301 (EN)

Application

EP 89119339 A 19891018

Priority

IT 1259188 A 19881125

Abstract (en)

[origin: EP0370231A1] The invention relates to a device for checking the cigarette tips, comprising a stationary measurement head (1) associated with a conveyor means which causes the cigarettes (2) to pass after each other transversely to their longitudinal axes in front of said measurement head (1), with the cigarette tips to be checked facing said head, as well as a device (9) for processing the measurement values and a device (18, 19) for discarding the defective cigarettes, under the control of said processing device. The measurement head (1) is provided with means (4) to generate a scanning beam (5) which is directed against the front surface of the tip of a cigarette (2), and with a sensor (6) for detecting the scanning beam (5 min) reflected by the tip of the cigarette (2). The processing device, to which the measured values are fed, is provided with a discriminating means (10, 13) having an entered gate-value, and with means (10) for correcting the values which have been measured along the front surface of each cigarette tip, directed towards the measurement head (1). Thanks to a device (14) for synchronizing the inflow of measurement signals, which device controls the processor (9), the number of measurements along the path of the scanning beam (5) on the front surface of the cigarette tip is constant and independent of the speed of travel of the cigarettes in front of the measurement head.

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP0553699A1; EP0843974A3; EP0585686A1; EP0518141A3; EP2636320A1; US2013235372A1; CN103300471A; EP1772067A1; EP0634112A3; EP0630586A3; US5596187A; EP2677273A1; EP2679950A1; CN103504472A; EP1053942A1

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