

Title (en)
Device for checking batches of cigarettes.

Title (de)
Vorrichtung zur Kontrolle von Zigarettengruppen.

Title (fr)
Dispositif de contrôle de groupes de cigarettes.

Publication
EP 0157087 A1 19851009 (DE)

Application
EP 85100560 A 19850119

Priority
DE 3407168 A 19840228

Abstract (en)
[origin: US4678901A] During the packaging of cigarettes, cigarette groups (10) assigned to a pack are checked to ensure that all the cigarettes are present. For non-contact monitoring, optical transmitters (22) and receivers (23) are arranged in a support (cantilever 21) located above the path of movement of the cigarette groups (10), in such a way that, when the cigarettes in the top layer (17) are present and properly formed, a check beam (26) from the transmitter (22) is received as a reflected beam (27) by the receiver (23).

Abstract (de)
Bei der Verpackung von Zigaretten werden einer Packung zugeordnete Zigarren-Gruppen (10) hinsichtlich des Vorhandenseins aller Zigaretten überprüft. Zur berührungslosen Kontrolle sind in einem oberhalb der Bewegungsbahn der Zigaretten-Gruppen (10) angeordneten Träger (Kragarm 21) optische Sender (22) und Empfänger (23) so angeordnet, daß bei vorhandenen, ordnungsgemäß ausgebildeten Zigaretten der Oberlage (17) ein Kontrollstrahl (26) des Senders (22) als Reflexionsstrahl (27) vom Empfänger (22) aufgenommen wird.

IPC 1-7
B65B 19/28

IPC 8 full level
A24C 5/34 (2006.01); **B65B 19/28** (2006.01); **B65B 19/30** (2006.01)

CPC (source: EP US)
B65B 19/28 (2013.01 - EP US); **Y10S 131/905** (2013.01 - EP US)

Citation (search report)

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- [Y] US 4147173 A 19790403 - REULAND JOACHIM
- [A] DE 503343 C 19300722 - UNITED CIGARETTE MACH CO INC
- [A] GB 513764 A 19391020 - JOHN WALKER CHALMERS, et al

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EP 85100560 A 19850119; BR 8500767 A 19850221; CA 472699 A 19850123; DE 3407168 A 19840228; DE 3569223 T 19850119; JP 1272485 A 19850128; US 69246985 A 19850118