

Title (en)

AN INSPECTION UNIT AND METHOD FOR QUALITY CONTROL OF DISPOSABLE CARTRIDGES FOR ELECTRONIC CIGARETTES

Title (de)

INSPEKTIONSEINHEIT UND VERFAHREN ZUR QUALITÄTSKONTROLLE VON WEGWERFPATRONEN FÜR ELEKTRONISCHE ZIGARETTEN

Title (fr)

UNITÉ D'INSPECTION ET PROCÉDÉ DE CONTRÔLE DE QUALITÉ DE CARTOUCHES JETABLES POUR CIGARETTES ÉLECTRONIQUES

Publication

EP 3765837 A1 20210120 (EN)

Application

EP 19714250 A 20190312

Priority

- IT 201800003660 A 20180316
- IB 2019052000 W 20190312

Abstract (en)

[origin: WO2019175769A1] An inspection unit (1) for quality control of disposable cartridges (C) for electronic cigarettes comprises an advancement conveyor (2) and an electromagnetic detector (5). The advancement conveyor (2) has a portion (3) having a succession of retaining seats (4) configured to receive respective cartridges (C) from a feed unit for feeding the cartridges (C). The electromagnetic detector (5) is configured to detect one or more properties of the cartridges (C) so as to determine whether they conform to one or more acceptability criteria and comprises a transmission shell (6) configured to transmit an electromagnetic signal and a receiving shell (7) configured to receive that electromagnetic signal. The shells (6, 7) are facing one another, defining a detecting chamber (8) configured to slidably receive therein the portion (3) and at least a cartridge (C) housed in a respective retaining seat (4), wherein the cartridge (C) is positioned completely inside the detecting chamber (8).

IPC 8 full level

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CPC (source: EP US)

A24C 5/3412 (2013.01 - EP); **A24F 40/80** (2020.01 - EP US); **G01N 22/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2019175769A1

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