

Title (en)

METHOD AND SYSTEM FOR DETERMINING THE TRACK OF ORIGIN OF PRODUCTS OF THE TOBACCO PROCESSING INDUSTRY,
CIGARETTE INSPECTION STATION

Title (de)

VERFAHREN UND SYSTEM ZUR BESTIMMUNG DER FERTIGUNGSBAHN VON PRODUKTEN DER TABAKVERARBEITENDEN INDUSTRIE,
ZIGARETTENINSPEKTIONSSTATION

Title (fr)

PROCÉDÉ ET SYSTÈME DE DÉTERMINATION DE LA PISTE D'ORIGINE DES PRODUITS DE L'INDUSTRIE DE TRAITEMENT DU TABAC,
STATION D'INSPECTION DE CIGARETTE

Publication

EP 3387919 A1 20181017 (EN)

Application

EP 17166355 A 20170412

Priority

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Abstract (en)

The invention concerns a method and a system for determining the track of origin (TA, TB, FR-TA, FR-TB, RR-TA, RR-TB) of products of the tobacco processing industry, as well as a cigarette inspection unit. A single length filter cigarette (24) produced in a cigarette making machine having a plurality of tracks (TA, TB) is received in a rotating device (34) and rotated around an axis of rotation (35') which is parallel to a longitudinal axis of the cigarette (24), wherein during rotation of a cigarette (24) held in the rotating device (34) an optical detection of seams (26, 28) of a wrapping paper (25) and of a tipping paper (27) of the cigarette (24) are carried out, wherein from the results of the optical detection the track of origin (TA, TB, FR-TA, FR-TB, RR-TA, RR-TB) of the cigarette (24) is determined. According to the present invention, the optical detection includes distance measurements carried out using at least one first distance measuring apparatus (36) and at least one second distance measuring apparatus (38), wherein the at least one first distance measuring apparatus (36) is located and oriented so as to produce at least one first raw data signal representing a distance to a wrapping paper (25) of the cigarette (24) and the at least one second distance measuring apparatus (38) is located and oriented so as to produce at least one second raw data signal representing a distance to a tipping paper (27) of the cigarette (24).

IPC 8 full level

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A24C 5/3412 (2013.01 - CN EP)

Citation (applicant)

EP 2183985 B1 20130109 - MOLINS PLC [GB]

Citation (search report)

- [A] GB 2473230 A 20110309 - MOLINS PLC [GB]
- [A] WO 2004083834 A1 20040930 - MOLINS PLC [GB], et al
- [AD] EP 2183985 B1 20130109 - MOLINS PLC [GB]

Cited by

CN109856160A; CN111644391A

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