

Title (en)

A method and a unit for testing the quality of production in a line for manufacturing tobacco products

Title (de)

Verfahren und Vorrichtung zum Prüfen der Produktionsqualität in einer Produktionslinie für Tabakerzeugnisse

Title (fr)

Procédé et unité pour le contrôle de la qualité de la production dans une ligne de production d'articles à fumer.

Publication

EP 1692956 A1 20060823 (EN)

Application

EP 05011659 A 20050531

Priority

IT BO20050073 A 20050216

Abstract (en)

Single cigarettes (2) selected as samples at the outfeed stage (38) of a manufacturing line (1) undergo a systematic quality control operation, performed by a testing unit (46), that consists in verifying a given number of characteristics for each cigarette (2) and generating a set of signals each reflecting the quality of a respective characteristic; the succession of signals, each assigned a value on a predetermined scale, is represented in the form of a graph. Once a significant sample has been processed, the values assigned to all the characteristics of the tested cigarettes (2) are displayed in a table, ordered such that each column will serve effectively as a production report on an individual cigarette (2).

IPC 8 full level

A24C 5/34 (2006.01); **A24C 5/00** (2006.01); **G05B 19/418** (2006.01)

CPC (source: EP US)

A24C 5/00 (2013.01 - EP US); **A24C 5/34** (2013.01 - EP US)

Citation (applicant)

US 2005022831 A1 20050203 - HIRSCH DAVID W [US], et al

Citation (search report)

- [X] US 2005022831 A1 20050203 - HIRSCH DAVID W [US], et al
- [X] GB 2178293 A 19870211 - HAUNI WERKE KOERBER & CO KG
- [X] EP 0409443 A2 19910123 - INTERTABA SPA [IT]
- [X] US 5695070 A 19971209 - DRAGHETTI FIORENZO [IT]
- [X] WO 2005010627 A2 20050203 - COGNITENS LTD [IL], et al
- [PX] WO 2005046365 A1 20050526 - GD SPA [IT], et al
- [A] US 4280187 A 19810721 - REULAND JOACHIM, et al
- [A] US 4599699 A 19860708 - STEWART-COX ADRIAN R [GB], et al
- [A] US 6636818 B1 20031021 - LAWRENCE DAVID E [US]

Cited by

JP2009533031A; CN102150949A; CN113475747A; WO2007118550A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1692956 A1 20060823; CN 1820667 A 20060823; IT BO20050073 A1 20050518; RU 2005121502 A 20070120; US 2006180166 A1 20060817

DOCDB simple family (application)

EP 05011659 A 20050531; CN 200510087520 A 20050721; IT BO20050073 A 20050216; RU 2005121502 A 20050630; US 17960305 A 20050713