

Title (en)
Measurement method and measurement assembly for detecting the position of an object in a filter rod conveyed along the longitudinal axis, and machine for the tobacco processing industry

Title (de)
Messverfahren und Messanordnung zur Erfassung der Lage eines Objekts in einem längsaxial geförderten Filterstrang, und Maschine der Tabak verarbeitenden Industrie

Title (fr)
Procédé de mesure et dispositif de mesure pour l'enregistrement de la position d'un objet dans une tige de filtre transportée en direction axiale longitudinale et machine de l'industrie de traitement du tabac

Publication
EP 2769632 B2 20220330 (DE)

Application
EP 14155364 A 20140217

Priority
DE 102013203140 A 20130226

Abstract (en)
[origin: EP2769632A1] The method involves arranging three optical axes mutually around each other around a filter rod (40). The filter rod is irradiated on a casing side. Three separate measuring signals are obtained. Location of an object is determined in two directions perpendicular to the filter rod by the combination of the measurement signals. Deviation of a determined layer to a target layer is determined. Property bad rating of the layer of an object is performed on the basis of comparison of the determined deviation with a threshold value. An independent claim is also included for a measuring arrangement.

IPC 8 full level
A24C 5/34 (2006.01); **A24D 3/02** (2006.01)

CPC (source: EP)
A24C 5/3412 (2013.01); **A24D 3/0295** (2013.01)

Citation (opposition)
Opponent :

- EP 1702524 A1 20060920 - HAUNI MASCHINENBAU AG [DE]
- WO 2012130402 A1 20121004 - HAUNI MASCHINENBAU AG [DE], et al
- EP 1091203 A2 20010411 - BAT CIGARETTENFAB GMBH [DE]
- DE 2732520 A1 19790104 - BAUMGARTNER PAPIERS SA
- US 4212541 A 19800715 - DUCOMMUN JOEL [CH], et al
- US 4001579 A 19770104 - LEBET JEAN-PIERRE, et al
- GB 2149913 A 19850619 - MOLINS PLC

Cited by
CN104965495A; US10721959B2; EP3918928B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)
EP 14155364 A 20140217; CN 201410063718 A 20140225; DE 102013203140 A 20130226; PL 14155364 T 20140217