

Title (en)  
DEVICE AND METHOD FOR FRONTAL INSPECTION OF A TRANSVERSALLY CONVEYED ROD-SHAPED ARTICLE IN A MACHINE FOR THE TOBACCO PROCESSING INDUSTRY

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR STIRNSEITIGEN INSPEKTION EINES QUERAXIAL GEFÖRDERTEN STABFÖRMIGEN ARTIKELS IN EINER MASCHINE DER TABAK VERARBEITENDEN INDUSTRIE

Title (fr)  
DISPOSITIF ET PROCEDE D'INSPECTION DE SURFACE FRONTALE D'UN PRODUIT EN FORME DE TIGE ACHEMINE DANS LE SENS TRANSVERSAL-AXIAL DANS UNE MACHINE DE TRAITEMENT DU TABAC

Publication  
**EP 3042574 B2 20220601 (DE)**

Application  
**EP 15202801 A 20151228**

Priority  
DE 102015000046 A 20150109

Abstract (en)  
[origin: JP2016127835A] PROBLEM TO BE SOLVED: To provide equipment and a method capable of inspecting at a low cost in total an end face of a rod-shaped article transferred in a lateral direction in a tobacco processing industry machine. SOLUTION: Equipment for inspecting an end face of a rod-shaped article (6) transferred in a lateral direction in a tobacco processing industry machine (11) includes at least one thrusting-in drum (13) rotatively driven and having peripheral grooves (10), an introduction device (8) for introducing a rod-shaped article (6) longitudinally into the peripheral groove (10), and an optical inspection device (24). The inspection device is disposed for inspecting the end face (6a) of a filter rod disposed in a detection area (25) of the inspection device (24). The thrusting-in drum (13) is provided with a positioning element (21) at an end surface opposite to a strand. The rod-shaped article (6) abuts on the positioning element. The positioning element (21) and the thrusting-in drum (13) move relative to each other. SELECTED DRAWING: Figure 1

IPC 8 full level  
**A24C 5/32** (2006.01); **A24C 5/34** (2006.01)

CPC (source: CN EP)  
**A24C 5/326** (2013.01 - EP); **A24C 5/3412** (2013.01 - EP); **A24C 5/35** (2013.01 - CN)

Citation (opposition)  
Opponent :

- DE 102013209621 A1 20141127 - HAUNI MASCHINENBAU AG [DE]
- US 2004221859 A1 20041111 - OKAMOTO HIROSHI [JP], et al
- GB 2176598 A 19861231 - KOERBER AG
- EP 0630586 A2 19941228 - GD SPA [IT]
- DE 3321737 A1 19840105 - HAUNI WERKE KOERBER & CO KG [DE]
- DE 7008944 U 19730802 - HAUNI WERKE KOERBER & CO KG [DE]
- DE 19753333 A1 19990610 - FOCKE & CO [DE]
- EP 1099388 A2 20010516 - MOLINS PLC [GB]
- EP 0704172 A2 19960403 - PHILIP MORRIS PROD [US]
- US 4307963 A 19811229 - BOLT REGINALD C
- DE 1908199 A1 19691002 - HAUNI WERKE KOERBER & CO KG
- EP 0682881 A2 19951122 - GD SPA [IT]

Cited by  
EP3552501B1

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

DOCDB simple family (publication)  
**EP 3042574 A1 20160713**; **EP 3042574 B1 20181010**; **EP 3042574 B2 20220601**; CN 105768206 A 20160720; CN 105768206 B 20211022; DE 102015000046 A1 20160714; JP 2016127835 A 20160714; JP 6770804 B2 20201021; PL 3042574 T3 20190329; PL 3042574 T5 20230717

DOCDB simple family (application)  
**EP 15202801 A 20151228**; CN 201610010641 A 20160108; DE 102015000046 A 20150109; JP 2016002409 A 20160108; PL 15202801 T 20151228