

Title (en)

Method and apparatus for detecting strand inhomogeneity of a rod of material in the tobacco processing industry

Title (de)

Verfahren und Vorrichtung zur Erkennung von Stranginhomogenitäten eines Materialstrangs der Tabak verarbeitenden Industrie

Title (fr)

Procédé et dispositif de détection de défauts d'homogénéité d'une tige de matériau de l'industrie de traitement du tabac

Publication

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Application

**EP 14191605 A 20141104**

Priority

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Abstract (en)

[origin: CN104643283A] The present invention relates to a method for detecting strand inhomogeneity of a rod of material, especially a rod of tobacco or rod of a filter tip, in the tobacco processing industry, wherein the rod of material is longitudinally axially conveyed through at least two rod measuring devices operating at different measuring frequencies. The invention also relates to an apparatus for detecting strand inhomogeneity of a rod of material in the tobacco processing industry, a rod forming machine in the tobacco processing industry, an application and a software program. In the method according to the invention, at least one comparison parameter is independently and respectively derived from measuring signals of the at least two rod measuring devices, so as to form a difference of one comparison parameter of the at least two rod measuring devices or a difference vector obtained by a plurality of differences of the plurality of comparison parameters, and whether the difference or the difference vector is within a tolerance range which has been predetermined or can be predetermined is detected, wherein, excess of the tolerance range represents unallowed strand inhomogeneity through a signal.

IPC 8 full level

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CPC (source: CN EP)

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Citation (opposition)

Opponent :

- EP 1247462 A2 20021009 - HAUNI MASCHINENBAU AG [DE]
- DE 102011006414 A1 20121004 - HAUNI MASCHINENBAU AG [DE]
- DE 10100664 A1 20020711 - HAUNI MASCHINENBAU AG [DE]

Cited by

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