

Title (en)

APPARATUS FOR THE CONVEYING AND INSPECTION OF A SEMI-FINISHED PRODUCT OF THE TOBACCO INDUSTRY

Title (de)

GERÄT ZUR FÖRDERUNG UND PRÜFUNG EINES HALBZEUGS DER TABAKVERARBEITENDEN INDUSTRIE

Title (fr)

APPAREIL POUR LE TRANSPORT ET L'INSPECTION D'UN PRODUIT SEMI-FINI DE L'INDUSTRIE DU TABAC

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020058897A1] An apparatus for the conveying and inspection of a semi-finished product of the tobacco industry comprises a conveyor (10) with a suction belt (13) and at least one electromagnetic detecting device (20). The conveyor (10) is configured to hold and convey the semi-finished product along a conveying path and comprises at least one guide channel (11) for the semi-finished product, delimited at the sides by two side walls (12) and at the top by a suction belt (13); the at least one electromagnetic detecting device (20, 40a, 40b) defines at least one detecting channel configured to slidably receive the suction belt (13) and at least one portion of the semi-finished product held on that suction belt (13). The apparatus is configured to operate in a first configuration, in which the electromagnetic detecting device (20, 40a, 40b) detects at least one property of the suction belt (13) passing through the detecting channel and generates a reference signal, and in a second configuration, in which the electromagnetic detecting device (20, 40a, 40b) detects at least one property of the semi-finished product and of the suction belt (13) passing through the detecting channel and generates a measurement signal. Moreover, the conveying apparatus comprises, or is associated with, a control unit (C) configured to receive and process the measurement signal, correcting or varying it as a function of the reference signal.

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