Title (en)

METHOD FOR CHECKING THAT BATCHES OF CIGARETTES ARE COMPLETE AND THAT THE CIGARETTES ARE SUFFICIENTLY FILLED

Title (de)

VERFAHREN ZUR KONTROLLE DER VOLLZÄHLIGKEIT VON ZIGARETTENGRUPPEN UND DER BEFÜLLUNG DER ZIGARETTEN

Title (fr)

PROCEDE POUR VERIFIER QUE DES GROUPES DE CIGARETTES SONT COMPLETS ET QUE CELLES-CI SONT SUFFISAMMENT REMPLIES

Publication

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Application

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Abstract (en)

[origin: DE19753333A1] The invention relates to a method for checking that batches of cigarettes are complete and that the cigarettes are sufficiently filled. In spite of careful manufacturing, when cigarettes are produced and batches of cigarettes are filled in cigarette packs (11) using high-performance machines, it is possible that some of the packs of cigarettes manufactured have cigarettes missing or contain cigarettes which are not sufficiently filled with tobacco. The invention provides an improved, non-contact method of checking the batches of cigarettes or the individual cigarettes. According to this method, the intensity signal of a CCD camera or a CCD-line-scanning chip in subareas of the front ends (24) of the cigarettes and/or the spaces between them is measured and analysed in the front end area of the batch of cigarettes. The inventive method therefore provides a means of checking that batches of cigarettes are complete and that the cigarettes are sufficiently filled in high-performance machines such as pocket conveyors or revolving folders.

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CPC (source: EP US)

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Citation (search report)

See references of WO 9928190A1

Citation (third parties)

Third party :

• DE 4100792 A1 19920716 - HAUNI WERKE KOERBER & CO KG [DE]
• US 4486098 A 19841204 - BUCHEGGER JOACHIM [US], et al
• US 4053056 A 19771011 - DAY JOHN HERBERT
• US 4511045 A 19850416 - SERAGNOLI ENZO [IT]

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