

Title (en)

METHOD FOR APPLYING REGISTER MARKS TO WRAPPING PAPER FOR SMOKING ARTICLES

Title (de)

VERFAHREN ZUM AUFBRINGEN VON REGISTERMARKEN AUF UMHÜLLUNGSPAPIER FÜR RAUCHARTIKEL

Title (fr)

PROCÉDÉ PERMETTANT D'APPLIQUER DES MARQUES DE REPÉRAGE SUR UN PAPIER D'EMBALLAGE DESTINÉ À DES ARTICLES À FUMER

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Application

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Abstract (en)

[origin: WO2019042639A1] The invention relates to a method for marking a wrapping paper for smoking articles, comprising the following steps: (A) providing a wrapping paper for smoking articles, the wrapping paper comprising pulp fibers, and (B) producing markings on the wrapping paper by means of at least one of the following steps: (B.1) removing material from the wrapping paper, (B.2) mechanically changing the wrapping paper, (B.3) treating the surface of the wrapping paper with laser radiation having an energy density y in J-m⁻², to which the following applies: $y = k \cdot x$. x is the enthalpy of combustion per volume of the wrapping paper in J-m⁻²μm⁻¹, and k is at least -8 μm, preferably at least -7 μm and especially preferably at least -6 μm, and at most -1 μm, preferably at most -2 μm and especially preferably at most -2.5 μm. Either repeating structures are produced on the wrapping paper in a step (C) such that each structure is at a fixed distance in the machine direction relative to at least one marking, or in step (A) a wrapping paper is provided which has repeating structures in the machine direction, and the markings are produced on the wrapping paper in step (B) in such a way that each marking is at a fixed distance in the machine direction relative to at least one structure.

IPC 8 full level

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- DE 102012209544 A1 20131212 - HAUNI MASCHINENBAU AG [DE]
- DE 102012106154 A1 20140109 - DELFORTGROUP AG [AT]
- EP 2671714 A1 20131211 - BOEGLI GRAVURES SA [CH]

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