

Title (en)

A DEVICE FOR CONVEYING SMOKING ARTICLES OR PARTS OF SMOKING ARTICLES

Title (de)

VORRICHTUNG ZUM FÖRDERN VON RAUCHERARTIKELN ODER TEILEN VON RAUCHERARTIKEL

Title (fr)

DISPOSITIF DE TRANSPORT D'ARTICLES A FUMER OU DE PARTIES D'ARTICLES A FUMER

Publication

EP 4111874 A1 20230104 (EN)

Application

EP 22180450 A 20220622

Priority

IT 202100016979 A 20210629

Abstract (en)

A device is described for conveying smoking articles or parts of smoking articles, comprising:- a first rotor (2), rotatable about a first rotation axis (I1);- a second rotor (4), rotatable about a second rotation axis (I2) parallel to the first rotation axis (I1) and moved away with respect to the latter along a reference axis (R); and- a plurality of conveying members (6) for receiving smoking articles or parts of smoking articles, which are mounted on the second rotor (4), according to an arrangement in series around the second rotation axis (I2), and each one is rotatable about a respective rotation axis (Ii) parallel to the second rotation axis (I2) of the second rotor (4);- a plurality of members (8) for rotationally connecting the first rotor (2) to the second rotor (4), which are arranged in series around the first and the second rotation axis (I1, I2), and each have a first end (82) that is coupled in a rotatable manner to the first rotor (2), and a second end (81) that is coupled in a rotatable manner to the second rotor (4), and is fixed to a respective conveying member (8) of the plurality of conveying members. The device is characterized in that each connecting member (8) comprises a weakened portion (84) such that it causes a privileged deformation of the connecting member (8) inducing a movement of the first end (81) with respect to the second end (82), along a direction parallel to the reference axis (R).

IPC 8 full level

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CPC (source: EP)

A24C 5/326 (2013.01); **A24C 5/327** (2013.01); **A24C 5/33** (2013.01); **A24C 5/478** (2013.01)

Citation (search report)

- [A] US 5322157 A 19940621 - DAHLGRUEN ROLF [FR]
- [A] US 4244250 A 19810113 - RUDSZINAT WILLY
- [A] US 4408621 A 19831011 - SCHUMACHER PETER [DE]

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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