

Title (en)

A cutter device for tobacco products

Title (de)

Schneidevorrichtung für Tabakprodukte

Title (fr)

Dispositif de découpe pour produits du tabac

Publication

**EP 1815757 B1 20100630 (EN)**

Application

**EP 07101474 A 20070131**

Priority

IT BO20060056 A 20060202

Abstract (en)

[origin: EP1815757A1] A cutter device in a cigarette maker comprises a drum (2) turning on a first axis (T), by which two continuous cigarette rods (3) advancing along a feed direction (B) are cut into sticks (3a), also a counterblade (5) turning on a second axis (C) extending transversely to the feed direction (B) and separated from the rods (3) by a distance dictated by the length of the cut sticks (3a); the cutter drum (2) and the counterblade (5) are interconnected by a train of three gears (15, 16, 18) of which the axes of rotation are linked in pairs by way of two connecting rods (24, 25) in such a way that the gears (15, 16, 18) can be maintained in constant meshing contact when the counterblade axis (C) is repositioned relative to the feed direction (B). The connecting rods (24, 25) thus provide a timing mechanism able to synchronize the operation of the cutter drum (2) and the counterblade (5), which remains unaffected by changes in the distance between the axis of rotation (C) of the counterblade (5) and the path of the cigarette rods (3).

IPC 8 full level

**A24C 5/28** (2006.01)

CPC (source: EP)

**A24C 5/28** (2013.01); **B26D 1/28** (2013.01); **B26D 7/01** (2013.01); **B26D 3/16** (2013.01)

Cited by

DE102009022756A1; CN102271543A; EP2505086A1; ITBO20110158A1; CN101904560A; IT202000026122A1; EP2263483A1; CN101904561A; EP2622972A1; EP2676558A1; DE102012210228A1; DE102012210228A9; CN101596017A; EP2106707A3; DE102008016958B4; DE102008016958B9; US9089164B2; WO2022097038A1; DE102008016958A1; EP2106707A2; EP2255682A1

Designated contracting state (EPC)

CH DE GB LI

DOCDB simple family (publication)

**EP 1815757 A1 20070808; EP 1815757 B1 20100630**; CN 101015393 A 20070815; CN 101015393 B 20110420; DE 602007007375 D1 20100812; IT BO20060056 A1 20060504

DOCDB simple family (application)

**EP 07101474 A 20070131**; CN 200710006367 A 20070201; DE 602007007375 T 20070131; IT BO20060056 A 20060202