

Title (en)

Method and apparatus for the graphic representation of the filling profile of a cigarette

Title (de)

Verfahren und Vorrichtung zur graphischen Darstellung des Füllprofils einer Zigarette

Title (fr)

Procédé et dispositif pour la représentation graphique du profil de remplissage d'une cigarette

Publication

**EP 1668995 B1 20080514 (FR)**

Application

**EP 05292512 A 20051124**

Priority

FR 0413168 A 20041210

Abstract (en)

[origin: EP1668995A1] The method involves developing a sinusoidal mathematical model representing a density with respect to an axial position, using parameters, phase and two constants. Density and humidity in several points of a cigarette are measured to find a regression determination coefficient. A shift of a reinforced tip from a position calculated from the phase and parameters, is calculated. An index of reinforcement is calculated from the constants. The parameters are lengths of a tobacco section (L), a cigarette and a filter. An independent claim is also included for a device implementing a cigarette filling profile graphical representation method.

IPC 8 full level

**A24C 5/34** (2006.01)

CPC (source: EP US)

**A24C 5/3412** (2013.01 - EP US)

Cited by

CN102823944A; CN110037336A; CN114485410A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1668995 A1 20060614; EP 1668995 B1 20080514**; AT E394946 T1 20080515; DE 602005006710 D1 20080626; FR 2879077 A1 20060616; FR 2879077 B1 20070126; JP 2006166913 A 20060629; JP 4751189 B2 20110817; PL 1668995 T3 20081031; US 2006125468 A1 20060615; US 7439722 B2 20081021

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