

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)

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Cited by

CN102823944A; CN110037336A; CN114485410A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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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