

Title (en)

Method and apparatus for determining the malleability of tobacco and the stiffness of cigarettes

Title (de)

Verfahren und Vorrichtung zum Bestimmen der Füllfähigkeit von Tabak und der Härte von Cigaretten

Title (fr)

Dispositif et appareil pour tester la maniabilité de tabac et la dureté des cigarettes

Publication

**EP 0416295 B1 19970502 (DE)**

Application

**EP 90115014 A 19900804**

Priority

DE 3929155 A 19890902

Abstract (en)

[origin: CA2022790A1] A method and an apparatus for the determination of the filling capacity of tobacco and the hardness of cigarettes are described. Tobacco (R) in a container (30) is compressed by a test plunger (8) driven in a pre-set manner by a motor (18), such that the force exerted on the tobacco (R) is measured and passed to a computer (44) as is the measured length of the tobacco column. After the end of the compression movement the test plunger (8) rests in its end position for a relaxation period, and the force acting on the tobacco (R) is measured at pre-set time intervals and passed on to the computer (44). The temperature and the moisture of the tobacco (R) are determined in the apparatus during the implementation of the method, and these allow the measured values to be adjusted to reflect standard conditions. The apparatus for determining the hardness of cigarettes differs from the apparatus for the determination of the filling capacity of tobacco only in the construction of the test plunger and the sample holder. Both methods proceed in the same way. (Figure 2)

IPC 1-7

**A24C 5/343**

IPC 8 full level

**A24C 5/34** (2006.01); **A24C 5/343** (2006.01)

CPC (source: EP US)

**A24C 5/34** (2013.01 - EP US); **A24C 5/343** (2013.01 - EP US)

Cited by

CN110068499A; CN110018059A; CN110057669A; EP2106708A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI LU NL

DOCDB simple family (publication)

**EP 0416295 A2 19910313**; **EP 0416295 A3 19921028**; **EP 0416295 B1 19970502**; CA 2022790 A1 19910302; DE 3929155 A1 19910314; DE 3929155 C2 19930617; DE 59010709 D1 19970605; JP H03254670 A 19911113; US 5209124 A 19930511

DOCDB simple family (application)

**EP 90115014 A 19900804**; CA 2022790 A 19900807; DE 3929155 A 19890902; DE 59010709 T 19900804; JP 23432690 A 19900903; US 57197690 A 19900824