

Title (en)

Method and apparatus for providing mixtures flue gases

Title (de)

Verfahren und Vorrichtung zum Erzeugen von Rauchgas-Gemischen

Title (fr)

Procédé et dispositif pour obtenir des mélanges de gaz fumants

Publication

**EP 1702522 A1 20060920 (DE)**

Application

**EP 05027954 A 20051220**

Priority

DE 102005012130 A 20050316

Abstract (en)

The device has a smoke carousel (1), pump and smoke gas mixing device with two mixing units. The mixing units have a piston pump and a valve for simultaneous production of different smoke gas mixture. The pump is provided for diluting the smoke gas and for discharging the diluted smoke gas. A stepping motor is controlled for a drive of the piston pump. The valve exhibits a valve path for suction of fresh air and smoke gas. An independent claim is also included for a method for producing smoke gas mixture for chemical, physical, biological and/or In-vitro analysis.

IPC 8 full level

**A24C 5/34** (2006.01); **G05D 11/02** (2006.01)

CPC (source: EP US)

**A24C 5/3406** (2013.01 - EP US)

Citation (search report)

- [XA] EP 1431746 A1 20040623 - JAPAN TOBACCO INC [JP]
- [A] US 3476119 A 19691104 - WALTON RICHARD RHODES
- [A] DE 4112878 A1 19921022 - HEINR BORGWALDT GMBH [DE]
- [A] DE 4222041 A1 19940105 - KNECHT FILTERWERKE GMBH [DE]
- [A] US 5117845 A 19920602 - POULET JEAN-REMI [FR], et al

Cited by

WO2013060479A1; CN107421790A; EP2959783A1; FR3022632A1; US11812777B2

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 1702522 A1 20060920; EP 1702522 B1 20100217**; AT E457659 T1 20100315; DE 102005012130 A1 20060928; DE 502005009032 D1 20100401; PL 1702522 T3 20100630

DOCDB simple family (application)

**EP 05027954 A 20051220**; AT 05027954 T 20051220; DE 102005012130 A 20050316; DE 502005009032 T 20051220; PL 05027954 T 20051220