

Title (en)

METHOD AND APPARATUS FOR DETERMINING THE HOMOGENEITY OF A MIXTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER HOMOGENITÄT EINES GEMISCHS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION DE L'HOMOGENÉITÉ D'UN MÉLANGE

Publication

**EP 2089693 A1 20090819 (DE)**

Application

**EP 07817629 A 20071008**

Priority

- DE 2007001787 W 20071008
- DE 102006052672 A 20061107

Abstract (en)

[origin: WO2008055456A1] Method and apparatus for determining the homogeneity (3) of a mixture. Known mixing methods require multiple calibration passes in order to automatically determine the end point of a mixing operation. This signifies a high level of complexity in the case of continuously changing products. The object of the present invention is to make it possible to automatically determine the end point of a mixing operation without having to carry out calibration passes. This is achieved by creating continuous spectral analyses of the mixture. As soon as the variance is under a tolerance (8) over a predefinable amount of time, the mixture is deemed to be homogeneous. The invention also relates to the determination of the end point of a mixing operation and to substance classification.

IPC 8 full level

**B01F 23/00** (2022.01); **G01N 21/85** (2006.01); **G01N 21/35** (2006.01)

CPC (source: EP US)

**B01F 35/213** (2022.01 - EP US); **G01N 21/3563** (2013.01 - EP US); **G01N 21/359** (2013.01 - EP US); **G01N 21/85** (2013.01 - EP US); **G01N 2021/8592** (2013.01 - EP US)

Citation (search report)

See references of WO 2008055456A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102006052672 A1 20080508**; EP 2089693 A1 20090819; US 2010054077 A1 20100304; WO 2008055456 A1 20080515; WO 2008055456 B1 20080626

DOCDB simple family (application)

**DE 102006052672 A 20061107**; DE 2007001787 W 20071008; EP 07817629 A 20071008; US 31233907 A 20071008