

Title (en)

A METHOD AND DEVICE FOR THE DETERMINATION OF THE ORIGIN OF AN OIL-BASED PRODUCT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER HERKUNFT EINES PRODUKTS AUF ÖLBASIS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION DE L'ORIGINE D'UN PRODUIT À BASE D'HUILE

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Application

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Abstract (en)

[origin: EP3792627A1] The present invention is enclosed in the area of vegetable or animal fat oil and biodiesel control. In particular, it is directed to identifying the origin of an oil-based product which comprises a mixture of oils and/or one or more processed products obtained from oils, such oils being vegetable or animal fat oils and the one or more processed products being, for example, biofuel. The purpose of the object of the present invention thus includes to identify the presence of used cooking oils (UCOs) and used animal fats from virgin vegetable oils and virgin animal fats, thereby distinguishing their origin (used or virgin), by means of an innovative method which resorts to obtaining and analysing a spectroscopy signal of the oil-based product.

IPC 8 full level

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Citation (examination)

BECKER WOLFGANG ET AL: "Application note: Simultaneous Phosphorescence and Fluorescence Lifetime Imaging by Multi-Dimensional TCSPC and Multi-Pulse Excitation", 30 April 2016 (2016-04-30), pages 1 - 12, XP093120257, Retrieved from the Internet <URL:https://www.becker-hickl.com/literature/application-notes/simultaneous-phosphorescence-and-fluorescence-lifetime-imaging-by-multi-dimensional-tcspc-and-multi-pulse-excitation/> [retrieved on 20240116]

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