Title (en)
USE OF AN ADD-ON SYSTEM INCLUDING A MICRO-REACTOR IN AN ATR-IR SPECTROMETER

Title (de)
VERWENDUNG EINES ADD-ON-SYSTEMS MIT MIKROREAKTOR IN EINEM ATR-IR SPEKTROMETER

Title (fr)
UTLISIATION D'UN SYSTÈME ADDITIONNEL AVEC MICRORÉACTEUR DANS UN SPECTROMÈTRE ATR-IR

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Abstract (en)
[origin: WO2014005986A1] The invention relates to an add-on system for an attenuated total reflectance infrared (ATR-IR) spectrometer, the add-on system allowing for time-resolved in situ IR measurements of heterogeneous mixtures. The add-on device comprises a micro-reactor (300A) forming a sample cavity (305) when the micro-reactor (300A) is placed on a sample surface side of an ATR-IR plate (200), a sample magnet (312) being adapted for being placed in the sample cavity (305), and a magnet system (400) comprising an outer magnet (402), the magnet system (400) being adapted for rotating the outer magnet (402) in a plane being substantially parallel to the plane in which the ATR-IR plate (200) lies, wherein, when the micro-reactor (300A) is placed on the ATR-IR plate (200), the outer magnet (402) is adapted for rotating the sample magnet (312) inside the sample cavity (305).

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