Title (en)

SPECTRAL MEASURING SYSTEM

Title (de)

SPEKTRALES MESSSYSTEM ZUR ERMITTLUNG VON SUBSTANZEIGENSCHAFTEN UNTER VERWENDUNG VON TERAHERTZ-STRAHLUNG

Title (fr)

SYSTÈME DE MESURE DE SPECTRE

Publication

EP 2115407 A2 20091111 (DE)

Application

EP 08708289 A 20080128

Priority

- EP 2008050971 W 20080128
- DE 102007006082 A 20070202
- DE 102007057850 A 20071129

Abstract (en)

[origin: WO2008092828A2] A spectral measuring system for determining substance properties using terahertz radiation, comprising one or more radiation sources (10; 410), of which at least one radiation source (10) can be adjusted or configured regarding the wavelength thereof, the first radiation source (10; 410) emitting a first radiation (S1; S401) having a predefined first wavelength, characterized by a sensor (90), which responds to further radiation (S9; S409), which is based on the radiation (S1; S401) of the at least one radiation source (10; 410), and further by a controller (40; 440), which is connected to the at least one radiation source (10; 410) and to the sensor (90; 490), wherein the controller (40; 440) is configured to control the at least one radiation source (10; 410), adjust the wavelength of the at least one adjustable radiation source (10; 410), and read the sensor (90; 490).

IPC 8 full level

G01J 3/42 (2006.01); **G01N 21/35** (2006.01)

CPC (source: EP US)

G01J 3/10 (2013.01 - EP US); **G01J 3/42** (2013.01 - EP US); **G01J 3/4338** (2013.01 - EP US); **G01N 21/3563** (2013.01 - EP US); **G01N 21/3581** (2013.01 - EP US)

Citation (search report)

See references of WO 2008092828A2

Cited by

GB2469944A; GB2469945A; GB2469944B; GB2469945B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008092828 A2 20080807; **WO 2008092828 A3 20081127**; DE 102007057850 A1 20090604; EP 2115407 A2 20091111; US 2010072368 A1 20100325

DOCDB simple family (application)

EP 2008050971 W 20080128; DE 102007057850 A 20071129; EP 08708289 A 20080128; US 52542508 A 20080128