

Title (en)

SOLID SUPPORT COATED WITH AT LEAST ONE METAL FILM AND WITH AT LEAST ONE TRANSPARENT CONDUCTIVE OXIDE LAYER FOR DETECTION BY SPR AND/OR BY AN ELECTROCHEMICAL METHOD

Title (de)

MIT MINDESTENS EINEM METALLFILM UND MIT MINDESTENS EINER SCHICHT AUS TRANSPARENTEM LEITFÄHIGEM OXID BESCHICHTETER FESTER TRÄGER ZUR DETEKTION MITTELS SPR UND/ODER NACH EINER ELEKTROCHEMISCHEN METHODE

Title (fr)

SUPPORT SOLIDE REVÊTU D'AU MOINS UN FILM DE METAL ET D'AU MOINS UNE COUCHE D'OXYDE TRANSPARENT ET CONDUCTEUR POUR LA DETECTION PAR SPR ET/OU PAR UNE METHODE ELECTROCHIMIQUE

Publication

**EP 2231894 A1 20100929 (FR)**

Application

**EP 08860789 A 20081211**

Priority

- EP 2008067356 W 20081211
- FR 0759748 A 20071211

Abstract (en)

[origin: WO2009074660A1] One subject of the present invention is a transparent solid support coated with at least one layer of metal and with at least one layer of transparent conductive oxide (TCO), especially tin-doped indium oxide (ITO) in order to form a solid support that can be used at the same time or independently for detection by SPR and by an electrochemical method. The invention comprises a process for producing such supports, especially by cathode sputtering using a device comprising a radiofrequency (RF) generator, this device also being included in the invention. Another subject of the invention is a kit and a method for detection or identification of an organic or mineral compound by surface plasmon resonance (SPR) and/or electrochemical plasmon resonance comprising or using such supports.

IPC 8 full level

**C23C 14/08** (2006.01)

CPC (source: EP US)

**C23C 14/025** (2013.01 - EP US); **C23C 14/086** (2013.01 - EP US); **G01N 21/553** (2013.01 - EP US); **G01N 33/553** (2013.01 - EP US); **G01N 21/554** (2013.01 - EP US); **Y10T 428/265** (2015.01 - EP US); **Y10T 436/143333** (2015.01 - EP US); **Y10T 436/23** (2015.01 - EP US)

Citation (search report)

See references of WO 2009074660A1

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**FR 2924723 A1 20090612**; **FR 2924723 B1 20101217**; EP 2231894 A1 20100929; JP 2011506945 A 20110303; US 2010311103 A1 20101209; WO 2009074660 A1 20090618

DOCDB simple family (application)

**FR 0759748 A 20071211**; EP 08860789 A 20081211; EP 2008067356 W 20081211; JP 2010537454 A 20081211; US 73504108 A 20081211