

Title (en)
FLUORESCENCE STANDARD, AND THE USE THEREOF

Title (de)
FLUORESZENZSTANDARDS UND DEREN VERWENDUNG

Title (fr)
ÉTALONS DE FLUORESCENCE ET LEUR UTILISATION

Publication
EP 2269035 A2 20110105 (DE)

Application
EP 09731735 A 20090417

Priority

- EP 2009002830 W 20090417
- EP 08007513 A 20080417
- EP 09731735 A 20090417

Abstract (en)
[origin: WO2009127424A2] The invention relates to fluorescence standards, and particularly to fluorescence standards for calibrating optical detectors. According to the invention a fluorescent mineral, or mixtures of minerals, are utilized for use as a fluorescence standard. The fluorescent mineral can be a naturally occurring mineral, or a synthetically produced mineral. Preferred fluorescent minerals for use as fluorescent standards are corundum, fluorite, turquoise, amber, zirconium, zoisite, iolithe, or cordierite, respectively, spinel, topaz, calcium fluorite, sphalerite, or spalerite, respectively, calcite, or calcite, apatite, scheelite, or tungsten, respectively, willemite, feldspar, sodalithe, a uranium mineral, an Al³⁺ containing mineral, and particularly ruby and sapphire.

IPC 8 full level
G01N 21/27 (2006.01); **B01L 3/00** (2006.01); **G01J 1/58** (2006.01); **G01N 21/64** (2006.01); **G01T 1/36** (2006.01)

CPC (source: EP US)
B01L 3/50857 (2013.01 - EP US); **B01L 3/5088** (2013.01 - EP US); **G01K 11/14** (2013.01 - EP US); **G01N 1/28** (2013.01 - EP US); **G01N 21/278** (2013.01 - EP US); **G01N 21/6452** (2013.01 - EP US); **G01T 1/362** (2013.01 - EP US); **B01L 2200/148** (2013.01 - EP US); **B01L 2300/0822** (2013.01 - EP US); **B01L 2300/0829** (2013.01 - EP US); **G01N 2001/2893** (2013.01 - EP US); **G01N 2015/1014** (2024.01 - EP US); **Y10T 436/10** (2015.01 - EP US)

Citation (search report)
See references of WO 2009127424A2

Citation (examination)

- US 2002151040 A1 20021017 - O' KEEFE MATTHEW [US], et al
- US 2006134606 A1 20060622 - MONTAGU JEAN I [US]
- US 2003030797 A1 20030213 - PALLADINO HENRY [US], et al
- FELIX MEISER ET AL: "Biofunctionalization of Fluorescent Rare-Earth-Doped Lanthanum Phosphate Colloidal Nanoparticles", ANGEWANDTE CHEMIE INTERNATIONAL EDITION, vol. 43, no. 44, 12 November 2004 (2004-11-12), pages 5954 - 5957, XP055077079, ISSN: 1433-7851, DOI: 10.1002/anie.200460856
- BERNADETTE A HERNANDEZ-SANCHEZ ET AL: "Synthesizing Biofunctionalized Nanoparticles to Image Cell Signaling Pathways", IEEE TRANSACTIONS ON NANOBIOSCIENCE, IEEE SERVICE CENTER, PISCATAWAY, NY, US, vol. 5, no. 4, 1 December 2006 (2006-12-01), pages 222 - 230, XP011151015, ISSN: 1536-1241, DOI: 10.1109/TNB.2006.886565

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009127424 A2 20091022; WO 2009127424 A3 20091210; WO 2009127424 A9 20100204; AU 2009237945 A1 20091022; AU 2009237945 B2 20141113; CA 2720041 A1 20091022; CA 2720041 C 20170117; CN 102007395 A 20110406; CN 102007395 B 20140312; EP 2269035 A2 20110105; EP 2395344 A2 20111214; EP 2395344 A3 20131016; EP 2395345 A2 20111214; EP 2395345 A3 20131016; EP 2395346 A2 20111214; EP 2395346 A3 20131016; JP 2011516895 A 20110526; US 2011076687 A1 20110331; US 8704158 B2 20140422

DOCDB simple family (application)
EP 2009002830 W 20090417; AU 2009237945 A 20090417; CA 2720041 A 20090417; CN 200980113299 A 20090417; EP 09731735 A 20090417; EP 11179345 A 20090417; EP 11179347 A 20090417; EP 11179349 A 20090417; JP 2011504381 A 20090417; US 93700909 A 20090417