

Title (en)

COMPOSITIONS OF PHOTOSWITCHABLE MATERIALS

Title (de)

ZUSAMMENSETZUNGEN AUS PHOTOSCHALTbaren MATERIALIEN

Title (fr)

COMPOSITIONS DE MATÉRIAUX PHOTOCOMMUTABLES

Publication

**EP 2788449 A1 20141015 (FR)**

Application

**EP 12810353 A 20121205**

Priority

- FR 1161222 A 20111206
- FR 2012052814 W 20121205

Abstract (en)

[origin: WO2013083920A1] Process for producing a photochromic composite material, in which, starting from a photochromic complex of ruthenium having a nitrosyle ligand, a silica matrix is produced via a sol-gel process or with a biodegradable matrix, in particular of starch or of agar-agar, so that the photochromic complex of ruthenium having a nitrosyle ligand, in the crystalline state and in the form of nanoparticles, is inserted into the nanopores of the matrix.

IPC 8 full level

**C09K 9/02** (2006.01); **G11B 7/249** (2013.01)

CPC (source: EP US)

**C09K 9/02** (2013.01 - EP US); **G02B 1/04** (2013.01 - US); **G02B 5/23** (2013.01 - US); **G11B 7/2492** (2013.01 - EP US); **C09K 2211/1007** (2013.01 - EP US); **C09K 2211/1029** (2013.01 - EP US); **C09K 2211/185** (2013.01 - EP US)

Citation (search report)

See references of WO 2013083920A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 2983487 A1 20130607**; **FR 2983487 B1 20150220**; EP 2788449 A1 20141015; JP 2015507645 A 20150312; JP 6126119 B2 20170510; US 2014332738 A1 20141113; US 9880323 B2 20180130; WO 2013083920 A1 20130613

DOCDB simple family (application)

**FR 1161222 A 20111206**; EP 12810353 A 20121205; FR 2012052814 W 20121205; JP 2014545336 A 20121205; US 201214361046 A 20121205