

Title (en)

METALLIC THIALCALIX 4 ARENE COMPLEXES

Title (de)

METALLISCHE KOMPLEXE VON THIALCALIX(4)ARENEN

Title (fr)

COMPLEXES METALLIQUES DE THIALCALIX(4)ARENES

Publication

EP 1362076 A1 20031119 (FR)

Application

EP 02706895 A 20020225

Priority

- FR 0200685 W 20020225
- FR 0102464 A 20010223

Abstract (en)

[origin: FR2821357A1] The invention relates to novel thiacalix[4]arene derivative complexes having formula (I), wherein R1a, R2a, R3a, R4a, R1b, R2b, R3b and R4b are as defined in claim 1. The invention also relates to the use thereof, particularly for the production of materials having optical limiting properties.

IPC 1-7

C08K 5/00; **C07F 1/08**; **C07F 1/10**; **C07F 3/06**; **C07F 7/24**; **C07F 15/04**; **C07F 15/00**; **C07D 341/00**; **C07D 409/12**; **A61F 9/02**; **G02B 5/23**; **G03G 5/00**; **G02B 1/00**; **G01N 30/00**; **B01J 20/00**

IPC 8 full level

B01J 20/22 (2006.01); **C07D 341/00** (2006.01); **C07D 409/12** (2006.01); **C07D 409/14** (2006.01); **G02F 1/361** (2006.01)

CPC (source: EP US)

B01J 20/223 (2013.01 - EP US); **C07D 341/00** (2013.01 - EP US); **C07D 409/12** (2013.01 - EP US); **C07D 409/14** (2013.01 - EP US); **G02F 1/3614** (2013.01 - EP US)

Citation (search report)

See references of WO 02068521A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

FR 2821357 A1 20020830; **FR 2821357 B1 20050225**; EP 1362076 A1 20031119; US 2004127722 A1 20040701; US 6936721 B2 20050830; WO 02068521 A1 20020906

DOCDB simple family (application)

FR 0102464 A 20010223; EP 02706895 A 20020225; FR 0200685 W 20020225; US 46800804 A 20040210