

Title (en)

METHOD FOR PRODUCING INVERSE OPALINE STRUCTURES

Title (de)

VERFAHREN ZUR HERSTELLUNG INVERSER OPALARTIGER STRUKTUREN

Title (fr)

PROCEDE DE PRODUCTION DE STRUCTURES OPALES INVERSEES

Publication

EP 1546063 A1 20050629 (DE)

Application

EP 03798883 A 20030902

Priority

- DE 10245848 A 20020930
- EP 0309717 W 20030902

Abstract (en)

[origin: CA2500327A1] The invention relates to the use of core-shell particles, whose shell forms a matrix and whose core is essentially solid and has an, in essence, monodisperse size distribution. These core-shell particles are used as templates for producing inverse opaline structures. The invention also relates to a method for producing inverse opaline structures while using core-shell particles of this type.

IPC 1-7

C04B 38/00; **C08F 285/00**; **G02B 6/12**

IPC 8 full level

C04B 38/04 (2006.01); **C04B 38/06** (2006.01); **C08F 257/02** (2006.01); **C08F 285/00** (2006.01); **C08F 289/00** (2006.01); **C30B 29/60** (2006.01); **G02B 6/122** (2006.01)

CPC (source: EP KR US)

B82Y 20/00 (2013.01 - EP US); **C04B 38/04** (2013.01 - EP KR US); **C04B 38/06** (2013.01 - EP KR US); **C08F 257/02** (2013.01 - EP KR US); **C08F 285/00** (2013.01 - EP KR US); **C08F 289/00** (2013.01 - EP KR US); **C08J 3/126** (2013.01 - KR); **C30B 29/60** (2013.01 - EP KR US); **G02B 6/1225** (2013.01 - EP KR US); **B82Y 20/00** (2013.01 - KR); **C04B 2111/80** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2004031102A1

Cited by

EP3034566A1; US10759941B2; EP3034564A1; US10934436B2; US11202739B2; EP3034563A1; US10947391B2; EP3034562A1; US10391043B2; US10799432B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 10245848 A1 20040401; AU 2003255503 A1 20040423; BR 0314827 A 20050802; CA 2500327 A1 20040415; CN 1684925 A 20051019; EP 1546063 A1 20050629; JP 2006501124 A 20060112; KR 20050074466 A 20050718; TW 200418745 A 20041001; TW I291944 B 20080101; US 2006254315 A1 20061116; WO 2004031102 A1 20040415

DOCDB simple family (application)

DE 10245848 A 20020930; AU 2003255503 A 20030902; BR 0314827 A 20030902; CA 2500327 A 20030902; CN 03823315 A 20030902; EP 0309717 W 20030902; EP 03798883 A 20030902; JP 2004540573 A 20030902; KR 20057005542 A 20050330; TW 92126823 A 20030929; US 52979305 A 20050330