

Title (en)
EXTENSION AND UPSETTING SENSOR

Title (de)
DEHNUNGS- UND STAUCHUNGSSENSOR

Title (fr)
CAPTEUR DE DILATATION ET D'ECRASEMENT

Publication
EP 1495297 A2 20050112 (DE)

Application
EP 03702389 A 20030107

Priority

- DE 10204339 A 20020201
- EP 0300046 W 20030107

Abstract (en)
[origin: WO03064988A2] The invention relates to core-shell particles comprising a shell which forms a matrix, and a core which is essentially solid and has an essentially monodisperse size distribution, the refractive index of the core material being different from that of the shell material. The invention especially relates to the use of said particles for producing sensors for detecting mechanical forces and sensors having an optical effect, essentially consisting of core-shell particles comprising a shell which forms a matrix and a core which is essentially solid and has an essentially monodisperse size distribution, the refractive index of the core material being different from that of the shell material. The inventive particles are characterised in that at least one contrast material is stored in the matrix.

IPC 1-7
G01L 1/24; **G01L 11/02**

IPC 8 full level
C09K 3/00 (2006.01); **G01L 1/00** (2006.01); **G01L 1/24** (2006.01); **G01L 11/02** (2006.01)

CPC (source: EP KR US)
G01L 1/24 (2013.01 - KR); **G01L 1/247** (2013.01 - EP US); **G01L 11/02** (2013.01 - KR); **Y10S 977/779** (2013.01 - EP US); **Y10S 977/953** (2013.01 - EP US); **Y10T 428/2991** (2015.01 - EP US)

Citation (search report)
See references of WO 03064988A2

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 SE SI SK TR

DOCDB simple family (publication)
WO 03064988 A2 20030807; **WO 03064988 A3 20040401**; AU 2003205568 A1 20030902; CN 1628242 A 20050615; DE 10204339 A1 20030807; EP 1495297 A2 20050112; JP 2005516209 A 20050602; KR 20040075112 A 20040826; TW 200307122 A 20031201; TW I275784 B 20070311; US 2005145037 A1 20050707; US 7186460 B2 20070306

DOCDB simple family (application)
EP 0300046 W 20030107; AU 2003205568 A 20030107; CN 03803176 A 20030107; DE 10204339 A 20020201; EP 03702389 A 20030107; JP 2003564538 A 20030107; KR 20047011843 A 20030107; TW 92102106 A 20030130; US 50308104 A 20040730