

Title (en)  
HYBRID ORGANIC-INORGANIC MATERIAL, OPTICAL THIN LAYER MADE OF SAID MATERIAL, OPTICAL MATERIAL CONTAINING SAME, AND METHOD FOR MAKING SAME

Title (de)  
ORGANISCH-ANORGANISCHES HYBRIDMATERIAL, AUS DIESEM MATERIAL HERGESTELLTE OPTISCHE DÜNNSCHICHT, OPTISCHES MATERIAL DAMIT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
MATERIAU HYBRIDE ORGANIQUE-INORGANIQUE, COUCHE MINCE OPTIQUE DE CE MATERIAU, MATERIAU OPTIQUE LES COMPRENANT, ET LEUR PROCEDE DE FABRICATION

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Application  
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Abstract (en)  
[origin: WO2009098240A1] The invention relates to a composite organic-inorganic material that includes: colloid particles of at least one inorganic compound selected from oxides and oxyhydroxides of a metal or metalloids prepared according to a hydrolysis-condensation method in a protic or polar solvent, said particles being functionalised at the surface thereof by reaction with an organic compound; and an organic or inorganic polymer. The invention also relates to a method for preparing this composite material, and to an optical material including a layer of said composite material.

IPC 8 full level  
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CPC (source: EP US)  
**B82Y 30/00** (2013.01 - EP US); **C09C 1/00** (2013.01 - EP US); **C09C 1/0024** (2013.01 - EP US); **C09C 1/0084** (2013.01 - EP US); **C09C 1/0087** (2013.01 - EP US); **C09C 1/0096** (2013.01 - EP US); **C09C 1/02** (2013.01 - EP US); **C09C 1/30** (2013.01 - EP US); **C09C 1/3063** (2013.01 - EP US); **C09C 1/3072** (2013.01 - EP US); **C09C 1/3081** (2013.01 - EP US); **C09C 1/3669** (2013.01 - EP US); **C09C 1/3676** (2013.01 - EP US); **C09C 1/3684** (2013.01 - EP US); **C09C 1/40** (2013.01 - EP US); **C09C 1/407** (2013.01 - EP US); **C09C 3/08** (2013.01 - EP US); **C09C 3/10** (2013.01 - EP US); **C09C 3/12** (2013.01 - EP US); **C09D 5/006** (2013.01 - US); **C09D 7/62** (2017.12 - EP US); **C09D 127/16** (2013.01 - US); **G02B 1/04** (2013.01 - US); **G02B 1/10** (2013.01 - US); **G02B 1/111** (2013.01 - US); **C01P 2002/84** (2013.01 - EP US); **C01P 2004/04** (2013.01 - EP US); **C01P 2004/51** (2013.01 - EP US); **C01P 2004/61** (2013.01 - EP US); **C01P 2004/62** (2013.01 - EP US); **C01P 2004/64** (2013.01 - EP US); **C01P 2006/60** (2013.01 - EP US); **C09C 2220/103** (2013.01 - EP US); **Y10T 428/25** (2015.01 - EP US); **Y10T 428/31507** (2015.04 - EP US); **Y10T 428/3154** (2015.04 - EP US); **Y10T 428/31609** (2015.04 - EP US); **Y10T 428/31663** (2015.04 - EP US); **Y10T 428/31667** (2015.04 - EP US); **Y10T 428/31935** (2015.04 - EP US); **Y10T 428/31938** (2015.04 - EP US)

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