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Title: **WO0004593A1: OPTICAL DEVICES** [\[French\]](#)

Derwent Title: Optical device, e.g. light emissive devices comprises an organic material having a uniform dispersion of light transmissive nano particles [\[Derwent Record\]](#)

Country: **WO** World Intellectual Property Organization (WIPO)

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Abstract: An optical device having a layer comprising an organic material that includes a substantially uniform dispersion of light transmissive nanoparticles. [\[French\]](#)

Attorney, Agent or Firm: **SLINGSBY, Philip, Roy** ;

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Legal Status:

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Description **+ OPTICAL DEVICES**

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This invention relates to optical devices, especially devices comprising particles Nanoparticles are particles of very small size, typically less than 100nm across. The preparation of well-defined nanoparticles via colloid chemistry was demonstrated at least as early as the 1980s. A review of the current technology in this field is given in M P Pileni, Langmuir, 13, 1997, 3266 There are three



principal established routes for the formation of nanoparticles: a microemulsion route, a sol-gel route and a high temperature process used principally for semiconducting nanoparticles such as CdSe.

First Claim: [Show all claims](#) 1.An optical device having a layer comprising an organic material that includes a substantially uniform dispersion of light transmissive nanoparticles. †

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