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Title: **WO0003950A1: OPTICAL DEVICES** [\[French\]](#)

Derwent Title: Preparation of nano particles for use in e.g. forming a uniform dispersion of the nano particles in another material, for e.g. light emissive devices, comprises washing the mixture with a solvent in which the nano particles are soluble [\[Derwent Record\]](#)

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

Kind: **A1** Publ.of the Int.Appl. with Int.search report <sup>i</sup>

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Abstract: A method for preparing nanoparticles for use, from a mixture of nanoparticles with another material, the method comprising washing the mixture with a solvent in which the nanoparticles are soluble to remove the said other material and form a solution of nanoparticles in the solvent. [\[French\]](#)

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

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Legal Status:

Designated Country: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW, **European patent:** AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE, **OAPI patent:** BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG, **ARIPO patent:** GH GM KE LS MW SD SL SZ UG ZW, **Eurasian patent:** AM AZ BY KG KZ MD RU TJ TM

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Description **+ OPTICAL DEVICES**

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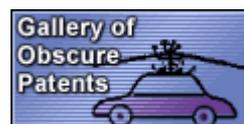
This invention relates to optical devices, especialiv devices comprising particles Nanoparticles are particles of very small size, typically less than 100nm across. The preparation of well-defined



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.A method for preparing nanoparticles for use, from a mixture of nanoparticles with another material, the method comprising washing the mixture with a solvent in which the nanoparticles are soluble to remove the said other material and form a solution of nanoparticles in the solvent. †

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