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The invention relates to nanotechnologies, particularly to a process for obtaining a photoluminescent nanocomposite that can be used in optoelectronics.

The process for obtaining a photoluminescent nanocomposite from CdS and an organic polymer includes preparation of an aqueous cadmium nitrate solution and a compound from the class of thiosemicarbazides, which then is added drop by drop in preset proportions to a hydroalcoholic solution of polyvinyl alcohol or polyvinylpyrrolidone, after agitation the mixture is poured on a transparent support with or without conducting layer, it is treated at the temperature of 100°C during 0,5...3 hours, up to the obtaining of a composite having the following component ratio, mass %:

CdS	10.0...60.0
polyvinyl alcohol or polyvinylpyrrolidone	the rest.

Claims: 1

Fig.: 3