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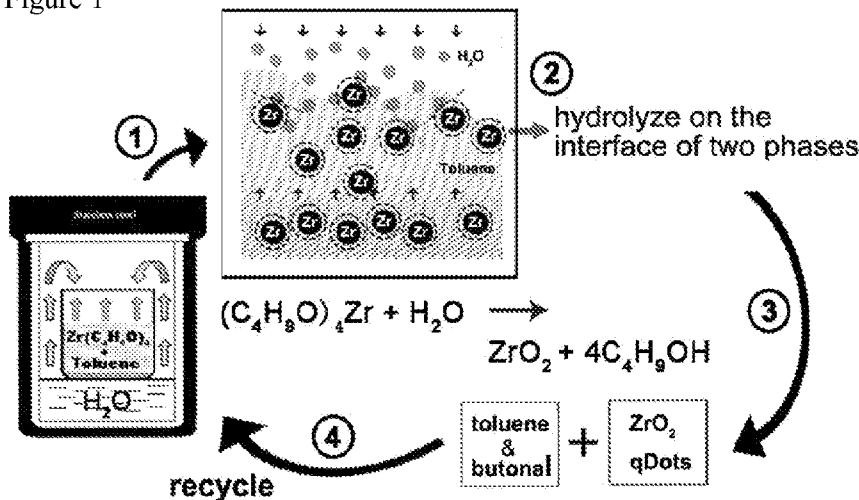
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Figure 1



(57) Abstract: A method for the manufacture of metal oxide nanoparticles via a two phase interface hydrolysis reaction under hydrothermal reaction conditions is disclosed. The manufactured nanoparticles have good monodispersity, high crystallinity, as well as further advantageous properties such as strong photo luminescence and excellent photocatalytic properties. The nanoparticle size can be controlled by the manipulation of the hydrothermal reaction temperature.

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	D. PAN, N.ZHAO, Q. WANG, S.JIANG, X.JI AND L.AN: "Facile synthesis and characterization of luminescent TiO2 nanocrystals" ADVANCED MATERIALS, vol. 17, 2005, pages 1991-1995, XP002538532 the whole document	1-8
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 Further documents are listed in the continuation of Box C. See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Y.ZHOU ET M.ANTONIETTI: "Synthesis of very small TiO ₂ nanocrystals in room-temperature ionic liquid and their assembly toward mesoporous spherical aggregates" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 24, 11 December 2003 (2003-12-11), pages 14960-14961, XP002538534 the whole document	1-8
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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