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(54) Title: STABLE NANOPARTICLES AND METHODS OF MAKING AND USING SUCH PARTICLES

(57) Abstract: A population of nanoparticles is disclosed. The population is comprised of a plurality of core/shell nanocrystals, each including: a semiconductor core, an intermediate semiconductor shell layer disposed over the semiconductor core, an external semiconductor shell layer disposed over the intermediate semiconductor shell layer, and a hydrophilic organic layer in direct contact with the external semiconductor shell layer. The population of nanoparticles has a α_{on} value of less than about 1.4.

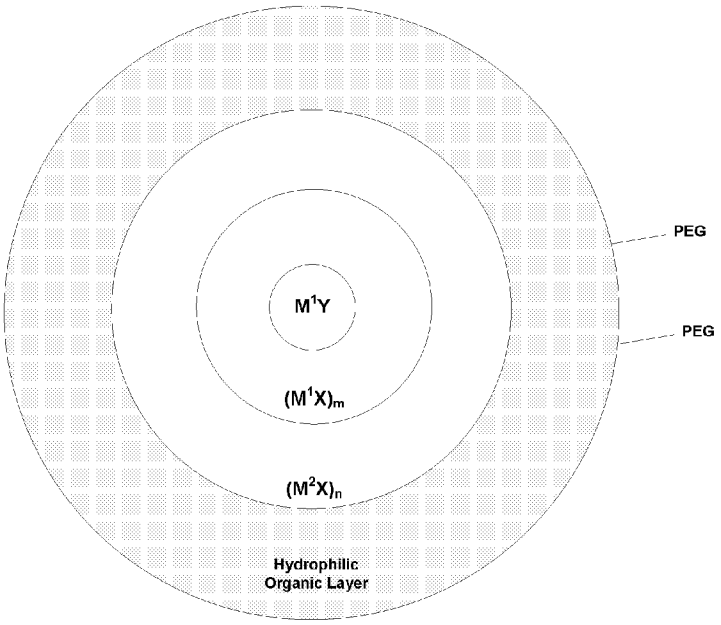

Figure 1A

WO 2010/048581 A3

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