

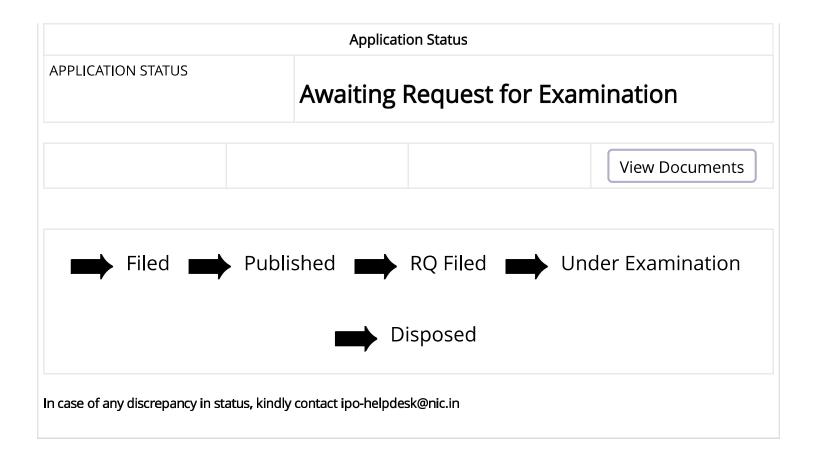
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TITLE OF INVENTION	User friendly new trend material for solar cell applications with low cost	
FIELD OF INVENTION	ELECTRONICS	
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(57) Abstract :

The invention relates to a photoelectronic device that incorporates a hybrid structure comprising silicon Nanoparticle and graphene quantum dots and a method of fabricating the device. Graphene Quantum Dots (GQDs) are attached to the surfaces of Silica Nanoparticles (SNPs) in the photoelectronic device according to the present disclosure, therefore boosting the efficiency of energy transmission in solar cells.

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