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FLAME AEROSOL REACTOR (FLAR) BASED PROCESS FOR FABRICATING NANOSTRUCTURED FILMS FOR SOLAR ENERGY APPLICATIONS WITH UNIQUE COMPOSITIONS

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The invention is a new process for fabricating nano-structured metal-oxide and other films. The films can harvest solar energy in the form of light and convert it to a more usable form (i.e: electricity or hydrogen gas). The films produced by this process have a unique morphology that grants them a greater solar-conversion efficiency.