Green and Economical Production of Polymerization Activators

Polyolefins represent the largest class of commodity polymers. Catalysts are required for the production of these plastics and rubbers. Traditional catalysts suffer a number of limitations with regards to the grades of polyolefins they can produce. Newer catalysts are more efficient and can produce higher grades of polyolefins but suffer from a cost standpoint. In particular, the activator portion of the newer catalysts limits their utility. Innovative Science, Inc. has devised several unique routes for the production of polymerization activators. These routes share the following unique attributes.

1. They use cheap starting materials.
2. The process itself is catalyzed.
3. Overall safety is improved.
4. Solvent use is minimized or eliminated.
5. Reagents that have not reacted are readily recycled.

These ideas incorporate a novel concept, the use of a catalyst for the catalytic production of a catalyst. For an overview of this topic area please refer to the document entitled *A Green Catalytic Methodology for Polymerization Activators* in the *Investment Opportunities* section of the website.

Cost = Approximately $125,000 for Stage 1 (excluding patent filing costs)
Likelihood of Success = 60 %
Earning Potential = 9
Return on Investment = The investor will retain all intellectual property rights in return for granting Innovative Science, Inc. a 5-10 % royalty for use of the developed technology.