Heterogeneous Liquid Cationic Initiator Systems

Recently Innovative Science Corporation developed a number of cationic initiator systems where the coinitiator is a solid that is insoluble in the reaction mixture. These initiator systems are capable of producing very high molecular weight (MW) isobutene (IB) polymers at elevated temperature in the absence of polar solvents. This project is geared at developing new liquid heterogeneous initiator systems that are insoluble in the reaction mixture and useful for the synthesis of high MW grades of IB polymers at elevated temperatures without using toxic solvents.

Cost = $10,000 Stage 1
Likelihood of Success = 90 %
Earning Potential = Moderate to High.
Return on Investment = Open to negotiation.