Name of the Technology: Process for the synthesis of Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate), (PEDOT:PSS)

Summary: Water soluble PEDOT:PSS is most successfully used conducting polymers in various organic optoelectronic applications. PEDOT:PSS is synthesized by a novel polymerization process. The process is simple and cost-effective.

Applications: Organic electronic applications such as photovoltaic, perovskite, organic light emitting diode (OLEDs), Organic field effect transistors (OFETs), electrochromic devices (EC), sensors, batteries, Organic thermoelectric, printing electronic, antistatic layers etc.

Advantages: cost effective and metal free

Choose the Readiness level of the Technology:

Idea	Concept Definition	Proof of Concept	Prototype	Lab Validation	Technology Development	Technology Demonstration	Technology Integrated	Market Launch

Related Patents: Patent No: **Know-how**, Country: **Not applicable**, Publication Date: **Not applicable**; Grant Date: **Nil;** **Year of Introduction:** 2016

Broad Area/Category: Processes
User Industries: Chemical Industries, Opto-electronics device fabrication industries etc.