

Method For Aerobic Oxidative Coupling Of Thiophenes With A Ligand-Supported Paladium Catalyst

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The Invention

An oxidative homocoupling method of synthesizing certain 2,2'-bithiophenes from thiophenes using oxygen as the terminal oxidant is disclosed. In non-limiting examples, the method uses oxygen along with a catalytic system that includes palladium, an assistive ligand, and a non-palladium metal additive to catalyze one of the following reactions: [Image Omitted] Associated catalytic systems and compositions are also disclosed.

Additional Information

- For More Information About the Inventors
 - Shannon Stahl

Tech Fields

• Materials & Chemicals : Synthesis

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854

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