

IP MARKETPLACE

CONNECTING INNOVATION TO YOUR BUSINESS

TECH OFFER

A METHOD OF PRODUCING A DYE SENSITISED SOLAR CELL



▶ MORE INFORMATION

MEGA-TREND

- Energy and Power
- Future Global Power Generation
- Infrastructure Development: Power

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 4

PATENT/ GRANTED NUMBER

- UI 2014703575

▶ TECHNOLOGY OVERVIEW

A method of producing a dye sensitised solar cell, characterised by heating and stirring a gelatinised starch solution containing an iodide salt to obtain a polymer mixture; adding ionic liquid into the polymer mixture to form a polymer electrolyte; stirring the polymer electrolyte for a minimum of eight hours; casting and drying the polymer electrolyte to form a polymer electrolyte film; and placing the polymer electrolyte film between a dye sensitised photo-electrode and a counter electrode.

CONTACT US!

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