

Advenira® SDN® IP Portfolio

“ROLL COATING” Family

1. [AU 2011235902](#) “Roll Coater”
Australian Patent issued on **Feb. 19, 2015**; Priority **Apr. 02, 2010**. Pending divisional application
2. [CA 2794519](#) “Roll Coater”
Canadian Patent issued on **Sep. 16, 2014**; Priority **Apr. 02, 2010**
3. [ZL 201180016577.6](#) “Roll Coater”
Chinese Patent issued on **November 25, 2015**; Priority **Apr. 02, 2010**
4. [CZ/EP 2552599](#) “Roll Coater”
Czech Registration of European Case on **May. 23, 2014**; Priority **Apr. 02, 2010**
5. [DE 60 2011 007 213.7](#) “Roll Coater”
German Registration of European Case on **May. 23, 2014**; Priority **Apr. 02, 2010**
6. [JP 5416862](#) “Roll Coater”
Japanese Patent issued on **Nov. 22, 2013**; Priority **Apr. 02, 2010**
7. [JP 5756160](#) “Roll Coater”
Japanese Patent issued on **Jun. 5, 2015**; Priority **Apr. 02, 2010**. Pending divisional application
8. [HK 1181347](#) “Roll Coater”
Honk Kong Registration of European Case on **Oct. 10, 2014**; Priority **Apr. 02, 2010**
9. [RU 2527092](#) “Coat Applicator Appliance”
Russian Patent issued on **July 7, 2014**; Priority **Apr. 02, 2010**
10. [TW I425986](#) “Roll Coater”
Taiwanese Patent issued on **Feb. 11, 2014**; Priority **Apr. 02, 2010**
11. [TW I532526](#) “Method of forming a film on a substrate using a roll coater”
Taiwanese Patent issued on **May 11, 2016**; Priority **Apr. 02, 2010**
12. [US 8506709](#) “Roll coater having a recirculation loop for treating excess fluid”
US Patent issued on **Aug. 13, 2013**; Priority **Apr. 02, 2010**
13. [US 9120122](#) “Roll Coating Sol-Gel Precursors”
US Patent issued on **Sep. 1, 2015**; Priority **Apr. 02, 2010**. Pending divisional application

Also one pending Chinese application

“Solution Derived Nanocomposite Precursor Solutions” Family

1. [JP 5990541](#) “Solution Derived Nanocomposite Precursor Solutions, Methods For Making Thin Films And Thin Films Made By Such Methods”
Japanese Patent issued on **August 19, 2016**; Priority **Feb. 2, 2011**

2. [RU 2590434](#) "Solution Derived Nanocomposite Precursor Solutions, Methods For Making Thin Films And Thin Films Made By Such Methods"
Russian Patent issued on **June 15, 2016**; Priority **Feb. 2, 2011**

Also one allowed case in Taiwan, and Pending cases in US, Australia, Canada, China, Europe, Hong Kong, and Korea

"COMPLEX OBJECT COATING" Family

1. [AU 2012258531](#) "System and Process for Coating an Object"
Australian Patent issued on **Oct. 29, 2015**; Priority **May 26, 2011**
2. [CA 2,834,897](#) "System and Process for Coating an Object"
Canadian Patent issued on **Aug. 16, 2016**; Priority **May 26, 2011**
3. [ZL 201280025418.7](#) "System and Process for Coating an Object"
Chinese Patent issued on **July 6, 2016**; Priority **May 26, 2011**
4. [JP 5814464](#) "System and Process for Coating an Object"
Japanese Patent issued on **Oct. 02, 2015**; Priority **May 26, 2011**
5. [JP 5872102](#) "System and Process for Coating an Object"
Japanese Patent issued on **March 1, 2016**; Priority **May 26, 2011**
6. [JP 5931306](#) "System and Process for Coating an Object"
Japanese Patent issued on **May 13, 2016**; Priority **May 26, 2011**
7. [KR 101563414](#) "System and Process for Coating an Object"
Korean Patent issued on **Oct. 20, 2015**; Priority **May 26, 2011**
8. [KR 101627989](#) "System and Process for Coating an Object"
Korean Patent issued on **May 31, 2016**; Priority **May 26, 2011**
9. [RU 2572999](#) "System and Process for Coating an Object"
Russian Patent issued on **December 16, 2015**; Priority **May 26, 2011**. Pending divisional application
10. [TW I532535](#) "Method And Apparatus For Coating A Complex Object And Composite Compromising The Coated Object"
Taiwanese Patent issued on **May 11, 2016**; Priority **May 26, 2011**
11. [TW I531419](#) "Coating Apparatus"
Taiwanese Patent issued on **May 1, 2016**; Priority **May 26, 2011**
12. [US 8507035](#) "Method and Apparatus for Coating a Complex Object and Composite Comprising the Coated Object"
US Patent issued on **Aug. 13, 2013**; Priority **May 26, 2011**
13. [US 9044775](#) "System and Process for Coating an Object"
US Patent issued on **Jun. 02, 2015**; Priority **May 26, 2011**
14. [US 9050619](#) "System and Process for Coating an Object"
US Patent issued on **Jun. 09, 2015**; Priority **May 26, 2011**

Pending applications in Hong Kong and Russia

“ANTI-ICING” Family

1. [US 9206506](#) “Anti-Icing Coating for Power Transmission Lines”
US Patent issued on **Dec. 08, 2015**; Priority **March 26, 2013**. Pending divisional application
2. [CA 2911718](#) “Anti-Icing Coating for Power Transmission Lines”
Canadian Patent issued on May 24, 2016; Priority **March 26, 2013**
3. [KR 10-1647935](#) “Anti-Icing Coating for Power Transmission Lines”
Korean Patent issued on August 5, 2016; Priority **March 26, 2013**

Also pending applications in China, Europe, Eurasia and Russia

“Modified Hybrid Sol-Gel Compositions” Family

Pending US application.

“ROTATION-VIBRATION” Family

4. [US 8889222](#) “Coating material distribution using simultaneous rotation and vibration”
US Patent issued on **Nov. 18, 2014**; Priority **Dec. 03, 2013**
5. [US 9272306](#) “Coating material distribution using simultaneous rotation and vibration”
US Patent issued on March 1, 2016; Priority **Dec. 03, 2013**

Allowed in Canada; Also pending applications in China, Japan, Korea, and Russia

“ADVENIRA” Trademark Registered in

- Brazil, Canada, China, Europe, India, Japan, Mexico, Russia, Taiwan, US

“SDN” Trademark Registered in

- Brazil, Canada, Europe, Japan, Korea, Mexico, Taiwan, US, Also pending in India

“ClearCorrUV” Trademark Registered in

- Madrid Protocol. Allowed in US and pending in China, European Union, India, Japan, Mexico, Korea, and Russia

“Impermion” Trademark Registered in

- Madrid Protocol. Allowed in US and pending in China, European Union, India, Japan, Mexico, Korea, and Russia

“AdvenSol” Trademark Registered in

- Madrid Protocol. Allowed in US and pending in China, European Union, India, Japan, Mexico, Korea, and Russia

“Crysolion” Trademark Registered in

- Madrid Protocol. Allowed in US and pending in China, European Union, India, Japan, Mexico, Korea, and Russia

“Thixorion” Trademark Registered in

- Madrid Protocol. Allowed in US and pending in China, European Union, India, Japan, Mexico, Korea, and Russia