

## Charles Szmanda



The Patent Practice of Szmanda & Shelnut, LLC

Legal Services

<http://www.directoryinventor.com/profile/view/v2wXiECx>

## Experience

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### Principal

The Patent Practice of Szmanda & Shelnut, LLC

Legal Services

July 2009 - Present

Registered Patent Agent, inventor, mentor and problem solver with a talent for leadership, a clear sense of strategy and a bias for action.

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### Research Fellow

Dow Advanced Materials

Chemicals

April 2009 - July 2009

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### Patent Agent

Patent Practice

Nanotechnology

2001 - 2009

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### Research Fellow

Rohm and Haas Electronic Materials

10,001+ employees; Public Company; Semiconductors

January 2000 - April 2009

All phases of patent preparation and prosecution. Patent strategy development. Patent Portfolio analysis. Prior art analysis.

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### Sr Fellow

Shiplely Co.

Nanotechnology

1989 - 1997

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### Director of Quality and Product Development

Aspect Systems

11-50 employees; Privately Held; Electrical/Electronic Manufacturing

1986 - April 1988

Designed and instituted quality systems and record keeping for startup company.

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## **Sr. Research Specialist**

### **Monsanto**

10,001+ employees; Public Company; Biotechnology  
1985 - 1988

Designed new high resolution photoresist materials. Determined fundamental mechanisms for how they worked.

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## **Member of Technical Staff**

### **Bell Labs Lucent Technologies**

10,001+ employees; Public Company; Telecommunications  
1979 - 1985

Designed and implemented industrial controls that improved device yield and simplified processes.

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## **Student**

### **University of Wisconsin-Madison**

10,001+ employees; Educational Institution; Higher Education  
1973 - 1979

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## **Education**

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### **University of Wisconsin-Madison**

Chemistry  
1973 - 1979

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### **Loyola University of Chicago**

Chemistry  
1971 - 1973

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### **Antigo High School**

Science and Math  
1965 - 1969

Activities and Societies: Debate Team, Spanish Club, Student Council, Band

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## **Patents (63)**

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### **Selenium/group 1B ink and methods of making and using same**

Kevin Calzia, David Mosley, David L Thorsen, Charles R Szmanda

October 22, 2013: 08563088

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## **Dichalcogenide selenium ink and methods of making and using same**

Kevin Calzia, David Mosley, Charles R Szmanda  
August 20, 2013: 08513052

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## **Selenium/group 1b ink and methods of making and using same**

Kevin Calzia, David W Mosley, Charles R Szmanda, David L Thorsen  
November 13, 2012: 08309179

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## **Curable compositions**

Lujia Bu, Edward C Greer, Georg R Kestler, Alan I Nakatani, Charles R Szmanda  
January 3, 2012: 08088467

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## **Group 6a/Group 3a ink and methods of making and using same**

Kevin Calzia, David Mosley, Charles Szmanda, David L Thorsen  
November 24, 2011: 20110287614-A1

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## **Thin film photovoltaic cell**

Garo Khanarian, Nicola Pugliano, Charles R Szmanda, Jae Hyung Yi  
September 29, 2011: 20110232758-A1

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## **Selenium/Group 1b ink and methods of making and using same**

Kevin Calzia, David W Mosley, Charles R Szmanda, David L Thorsen  
March 31, 2011: 20110076799-A1

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## **Dichalcogenide ink containing selenium and methods of making and using same**

Kevin Calzia, David W Mosley, Charles R Szmanda, David L Thorsen  
March 31, 2011: 20110076798-A1

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## **Dichalcogenide Selenium Ink and Methods of Making and Using Same**

David Mosley, Kevin Calzia, Charles Szmanda  
January 27, 2011: 20110020981-A1

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## **Compositions comprising carboxy component and processes for photolithography**

Deyan Wang, Charles R Szmanda, George G Barclay, Cheng Bai Xu  
July 8, 2010: 20100173245-A1

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[View all \(63\)](#)