

Jeff Leuschner

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Patent Agent



CONTACT

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QUALIFICATIONS

- Queen's University B.Sc. (Electrical Engineering) 2005
- Queen's University M.Sc. (Electrical Engineering) 2007; thesis titled *A New Maximum-Likelihood Metric Expression for Space-Time Block Codes with Applications to Decoding Area: Wireless communications, specifically Multiple-Input Multiple-Output (MIMO) systems*
- Registered Patent Agent 2009
- Registered to practise before the United States Patent and Trademark Office

PRACTICE AREAS

Patents
Electrical/Electronics
Software/Information
Technologies
Cleantech

PROFILE

High-quality patents built to yield commercial value for clients

Focused primarily in the fields of electrical and computer engineering, Jeff works with businesses to draft and prosecute patent applications. He also provides insightful advice to clients on which patenting activities will best support their business objectives, particularly in view of other options such as trade secret protection and defensive publication.

Clients appreciate Jeff's decisiveness, responsiveness, and overall approach to patents – that quality is more important than quantity. By focusing equally on process and purpose, Jeff produces well-drafted patents with real commercial relevance for his clients.

Domestic and international patent expertise coupled with diverse technical knowledge

Jeff also assists international companies and foreign firms seeking to file for patent protection in Canada, handling the Canadian patent prosecution with accuracy and efficiency. He regularly prosecutes patent applications in both the U.S. and Canadian patent offices, as well as in patent offices overseas through foreign associates, providing practical business-focused advice when the opportunity arises to add strategic value for the client.

Prior to entering the patent profession, Jeff pursued graduate studies in the field of electrical engineering, and he is named as a first author in papers published in *IEEE Transactions on Information Theory* and *IEEE Transactions on Wireless Communications*.

Jeff is a member of *IEEE* and Smart & Biggar's representative on the IPIC Patent Practice Committee, which works to further improve policy and practice within the Canadian Patent Office and also reviews proposed changes to Patent Rules and practice.

PROFESSIONAL INVOLVEMENT

Memberships

- Member, Institute of Electrical and Electronics Engineers

MEDIA

Publications

- "[Canada's new Patent Rules: twelve notable changes and tips](#)" (co-author: David Schwartz), *IP Update — Canada*, December 6, 2018
- "[Patents, trade marks, copyrights and designs in Canada: overview](#)," (co-authors: Steve Garland, Sanjay Goorachurn, Andrea Kroetch) *IP in Business Transactions Global Guide 2017*, Thomson Reuters, October 2017
- "[IP in business transactions: Canada overview](#)," (co-authors: Steve Garland, Sanjay Goorachurn, Andrea Kroetch) *IP in Business Transactions Global Guide 2017*, Thomson Reuters, October 2017
- "[Developing an effective Canadian patent filing strategy: Don't let your U.S. continuation or continuation-in-part application give you continuing grief north of the border](#)," *IP Update — Canada*, November 30, 2016
- "[Canada to participate in a new global PPH pilot program](#)," *IP Update — Canada*, December 4, 2013; *Lexology*, December 4, 2013; *Mondaq*, December 5, 2013; *International Intellectual Property Newsletter*, December 16, 2013; *CCCA Members Knowledge Centre*, December 2013
- "The one-year grace period for patent filing in Canada: An overview for U.S. practitioners," *IP Perspectives*, Summer 2012
- "A new generic maximum-likelihood metric expression for space-time block codes with applications to decoding" (co-author: S. Yousefi), *IEEE Transactions on Information Theory*, vol. 54, 2008, pp. 888-894
- "On the ML decoding of quasi-orthogonal space-time block codes via sphere decoding and exhaustive search" (co-author: S. Yousefi), *IEEE Transactions of Wireless Communications*, vol. 7, 2008, pp. 4088-4093.
- "A new sub-optimal decoder for quasi-orthogonal space-time block codes" (co-author: S. Yousefi), *IEEE Communications Letters*, vol. 12, 2008, pp. 548-550

