

# DAVID LARSSON

## Senior Associate

## European Patent Attorney

## M.Sc. Applied Physics

## Ph.D. Optoelectronics



David specialises in patent matters in the fields of IT, communication technology including wireless and fibreoptic communication, applied physics and electronics.

As a patent attorney David advises clients on strategic patenting issues, and deals with matters relating to all aspects of patent prosecution and enforcement, including pre-patenting investigations, patent drafting and prosecution, infringement, validity, etc. David further has experience from in-house work at an IP department, e.g. portfolio management, claim charting, evaluating and developing potential patents for licensing and litigation, developing internal routines, etc.

He further has specialist technical competencies in the fields of optoelectronics, fibre optic communication, semiconductor devices (e.g. processing of semiconductor devices), nano- and microtechnology, optical sensors and microsensors. David has a degree in engineering physics from Lund Institute of Technology and a PhD degree within the field of optoelectronics and optical communications from the Technical University of Denmark. He has previously worked as a development engineer at ADC-Altitun AB, with laser transmitters for optical communications, and as a researcher and lecturer at Technical University of Denmark. Apart from his technical education David has also studied French and intellectual property rights at a university level.

### Experience

2016 – European Patent Attorney, Valea AB  
2012 – 2016 Patent Attorney, Valea AB  
2010 – 2012 Assistant Professor, Technical University of Denmark  
2006 – 2010 Post Doc, Technical University of Denmark  
2003 – 2006 PhD student, Technical University of Denmark  
2001 – 2002 Laser engineer, ADC-Altitun AB

### Technical areas of knowledge

Wireless communication technology, optoelectronics, optical communication, semiconductor devices, micro- and nanotechnology, sensors and physics.

### Authorisations

European Patent Attorney

### Languages

Swedish, Danish, English and French



### Contact details

David.larsson@valea.eu

+46 40 608 55 02

+46 733 811 557

[www.valea.eu](http://www.valea.eu)



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# PUBLICATIONS

"41 GHz and 10.6 GHz low threshold and low noise InAs/InP quantum dash two-section mode-locked lasers in L band"  
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"Individual optimization of InAlGaAsP-InP sections for 1.55- $\mu$ m passively mode-locked lasers"  
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"Long all-active monolithic mode-locked lasers with surface-etched bragg gratings"  
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"Monolithic Hybrid and Passive Mode-Locked 40GHz Quantum Dot Laser Diodes",  
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part of: Proceedings of 2005 7th ICTON (ISBN: 07-80-39236-1) pages: 209-212, 2005, IEEE.

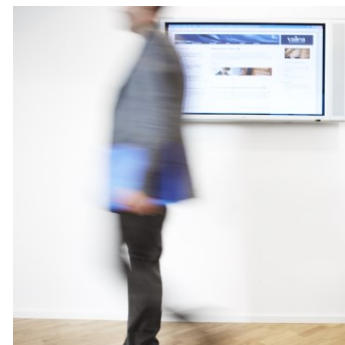
"High-performance 10 GHz all-active monolithic mode-locked semiconductor lasers,"  
Electronics Letters, No. 12, pp. 735-736 (2004).

"Low-jitter and high-power 40 GHz all-active mode-locked lasers,"  
IEEE Photonics Technology Letters, No. 4, pp. 975-977 (2004).

"Novel design of low-jitter 10 GHz all-active monolithic mode-locked lasers",  
2004 CLEO/IQEC Technical digest CD-ROM (ISBN: 15-57-52770-9), 2004.

"Pre-Scaled clock recovery with compact semiconductor devices for ultra high-speed OTDM systems",  
part of: Proc. ECOC 2004, Sweden.

"Record output power (25 mW) across C-band from widely tunable GCSR lasers without additional SOA,"  
Electronics Letters, 3, 292-293 (2003).



## Contact details

David.larsson@valea.eu

+46 40 608 55 02

+46 733 811 557

[www.valea.eu](http://www.valea.eu)

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