



Nanlin Wang

TECHNICAL ADVISOR

Nanlin is a Technical Advisor in the Patent Group.



Practices

[Patent](#)

Education

Iowa State University, PhD, 2006
Tsinghua University, MS, 2000
Central South University, BS, 1997

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Nanlin has an extensive background in semiconductor memories (NAND and DRAM) and logic devices. His experience includes semiconductor processes, semiconductor process integration, semiconductor packaging, and semiconductor device reliability.

Previous Work

Prior to joining ArentFox Schiff, Nanlin was a Technical Advisor at an intellectual property law firm in Alexandria, Virginia, where he drafted new patent applications and office action responses in the semiconductor, video coding, and mechanics fields. Nanlin was a Senior Engineer of Semiconductor Process Integration at a global technology company for ten years. He was also a member of the technical staff at a global semiconductor foundry. In those roles, Nanlin earned recognitions for his outstanding technical contributions.

Publications, Presentation & Recognitions

Nanlin's publications include:

- Nanlin Wang, Louay Semaan, The impact of the alloy process on the NBTI performance in 80s DRAM technology. Micron TLP Journal, 2015
- Nanlin Wang, Vikram Dalal, Nanocrystalline Si and devices produced using chemical annealing with helium, Mat. Res. Soc. Symp. Proc., 2005, A20.6.1
- Nanlin Wang and Vikram L. Dalal. Improving Stability of Amorphous Silicon Using Chemical Annealing With Helium, J. Non-cryst. Solids (2006)
- Nanlin Wang, John Snyder and Alan Constant, Phase formation and magnetic properties of Fe-N thin films deposited by reactive pulsed laser deposition. J. of Vacuum. Sci. and Tech. 2003, 21(5), 1734-1738.
- Nanlin Wang, Yingjiu Zhang, Jing Zhu. Growth of Silicon nanowires via Ni/SiCl₄ Vapor-Liquid-

Solid reaction. Journal of Materials Science Letters.2001, 20, 89-91.

- Nanlin Wang, Wei Liu et al. Influence of an electric field on the quench aging of a medium-carbon alloy steel. Scripta Materialia, 2001, 44, 2517-2521.
- Yingjiu Zhang, Nanlin Wang et al. Synthesis of SiC nanorods using floating catalyst. Solid State Communications. 2001, 118,595-598.
- Yingjiu Zhang, Nanlin Wang et al. A simple method to synthesize Si₃N₄ and SiO₂ nanowires from Si or Si/SiO₂ mixture. Journal of Crystal Growth, 2001, 233, 803-808.
- Yingjiu Zhang, Nanlin Wang et al. Reversible bending of Si₃N₄ nanowire. Journal of Materials Research. 2000, 15(5), 1048-1051.
- Yingjiu Zhang, Nanlin Wang et al. A simple method to synthesize nanowires. Chemistry of Materials, 2002, 14, 3564-356.

Life Beyond the Law

Outside of work, Nanlin enjoys Basketball, Movie, Music, and Hiking.