

## Andrew Bi Qiang



Principle Engineer at Seagate Technology

Computer Hardware

<http://www.directoryinventor.com/profile/view/WsVOA4mr>

## Experience

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### Principle Engineer

Seagate Technology

10,001+ employees; Public Company; Computer Hardware

October 2012 - Present

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## Education

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### National University of Singapore

Servo Control

1994 - 1997

\* Projects in Process Control \* Projects on system identification

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### Chinese Academy of Sciences

Power Electronics

1990 - 1992

Activities and Societies: Power Supply Society of China

Projects on 20kV, 200kV power supply design Projects on 10V high precision power supply design

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### Xi'an Jiaotong University

Industrial Automation

1985 - 1989

Activities and Societies: Project on Auto-Scan of Electric Field

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## Patents (8)

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### [Determining microactuator failure in a multi-stage tracking system \(11 worldwide citation\)](#)

Kang Hai Lim, Chi Zhang, Bi Qiang, Yuheng Wang, Choon W Ng, Mingzhong Ding, KianKeong Ooi

June 18, 2013: 08467144

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[Data storage medium having system data stored in a guard band between zones of consecutive data storage tracks \(9 worldwide citation\)](#)

Qiang Bi, KianKeong Ooi, TaiVie Chiang, WingKong Chiang, Edmun ChianSong Seng, Jimmy Pang, BengWee Quak, UttHeng Kan, Xiong Liu, Ricardo SoonLian Lim, Patrick TaiHeng, MingZhong Dong, WeiMing Yeow  
February 21, 2012: 08120868

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## **System and method for reducing ZAP time and track squeeze in a data storage device (24 worldwide citation)**

Xiong Liu, Qiang Bi, TzeMing Jimmy Pang, ChoonKiat Lim  
November 25, 2008: 07457075

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## **Data storage medium with optimized servo format (26 worldwide citation)**

Qiang Bi, KianKeong Ooi, TaiVie Chiang, WingKong Chiang, Edmun ChianSong Seng, Jimmy Pang, BengWee Quak, UttHeng Kan, Xiong Liu, Ricardo SoonLian Lim, Patrick TaiHeng Wong, MingZhong Ding, WeiMing Yeow  
July 29, 2008: 07405893

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## **Soft sensor for operating shock in a disc drive (4 worldwide citation)**

Qiang Bi, Xiong Liu, LeeLing Tan, Wen Jun Cao, ChoonKiat Lim  
March 25, 2008: 07349174

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## **Real-time automatic loop-shaping for a disc drive servo control system (13 worldwide citation)**

Tao Zhang, Kevin Arthur Gomez, Qiang Bi, MingZhong Ding, Stephen Kow Chiew Kuan  
May 30, 2006: 07054094

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## **Method and disc drive for writing servo wedges (6 worldwide citation)**

Xiong Liu, Bi Qiang, Kevin Arthur Gomez, Min Shuangquan  
October 11, 2005: 06954325

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## **Squeeze evaluations that account for low frequency components, in a controller usable in a data handling system (22 worldwide citation)**

Yong Y Yang, Qiang Bi, Xiong Liu, ChoonKiat Lim  
March 1, 2005: 06862155

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[View all \(8\)](#)