List of Patent by Alumnus

Name	Batch	PATENTS
Sagar Khanna	2008, CS	1. https://patents.google.com/patent/US20160291937A1/en?inventor=Sagar+Khanna 2. https://patents.google.com/patent/US20180095942A1/en?inventor=Sagar+Khanna
Ankit Singh	2002,CS	1. https://patents.google.com/patent/US9495535B2 2. https://patents.google.com/patent/US9645755B2 3. https://patents.google.com/patent/US9767118B2 4. https://patents.google.com/patent/US9853772B2 5. https://patents.google.com/patent/US9912454B2 6. https://patents.google.com/patent/US10015093B2 7. https://patents.google.com/patent/US20160210769A1 8. https://patents.google.com/patent/US20170171148A1 9. https://patents.google.com/patent/US20170264518A1 10. https://patents.google.com/patent/US20170344331A1 11. https://patents.google.com/patent/US20180241664A1 12. https://patents.google.com/patent/US10154079B2 13. https://patents.google.com/patent/US10019185B2
Vinod Kumar	2002,EC	1. Methods and Devices for Charge Pump Level Translation In High-Speed Memory Drivers 2. JEDEC POD135/POD125 Compliant 18GBPS GDDR6 Transmitter (Tx) Architecture 3. Level Shifter-Less Output Buffer with Hybrid Driver for High Speed and Low Supply Memory Applications 4. High Speed Level Shifter with Sub-Threshold Voltage Function 5. Voltage Stress Tolerant High-Speed Memory Driver Having Flying Capacitor Circuit 6. Voltage Level Shifter Circuit, System, And Method for Wide Supply Voltage Applications 7. 9GBPS VDD to 2XVDD Data Level Shifter for High Speed Drams 8. CMOS Schmitt Trigger Circuit and Associated Methods 9. Integrated Circuit Capacitors for Analog Microcircuits 10. Operating Conditions Compensation Circuit 11. Apparatus for Reference Voltage Generating Circuit 12. Level Shifter 13. Stress Reduced CASCODED CMOS Output Driver Circuit 14. Configurable I2C Interface
Brij N singh	1989,EE	1. Brij N. Singh, Chris Tremel, and Alan Keith Gilman, “Machine systems including pre-power diagnostics”, WO Patent 2,012,115,736, issue date 8/19/2014.

2. Brij N. Singh, Chris Tremel, and Alan Keith Gilman, “Machine systems including pre-power diagnostics”, US Patent 20,120,217920, issue date 6/19/2014.
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5. Brij N. Singh, “System for detecting a failure associated with an inverter or associated machine”, US Patent 20,120,242,365, issue date 9/1/2015.
6. Brij N. Singh and Michael Rhodes, “Machine for generating electrical energy of sensing material flow,” US Patent 20,140,283,491, issue date 8/18/2015.
7. Brij N. Singh, John Oenick, and Aron Fisk, “Electronic assembly for an inverter,” US Patent 9,148,946, issue date 9/29/2015
8. Brij N. Singh, Neal D. Clements, Aron Fisk, and Andrew Wieland, “Method and sensor for sensing current in a conductor,” US Patent 9,297,836, issue date 3/29/2016
9. Brij N. Singh, Neal D. Clements, Aron Fisk, and Andrew Wieland, “Method and sensor for sensing current in a conductor,” US Patent 9,410,990, issue date 8/9/2016
10. Brij N. Singh, and Thomas Roan, “Film capacitor having a package for heat transfer.” US Patent 9,439,278, issue date 9/6/2016.
11. Brij N. Singh, and John Oenick, “Electronic assembly for an inverter,” US Patent 9,504,191 B2, issue date 11/22/2016
12. Brij N. Singh, “Sensorless current sensing method for power electronic converters,” US Patent 9,557,351, issue date 1/31/2017
13. Christopher Schmit and Brij N. Singh, “Package for a semiconductor device” US Patent 9,564,385, issue date 2/7/2017.
14. Akshay Kumar, Lav Thygarajan, and Brij N. Singh “Observer-based TEF for design optimization of electric drive components,” 2/16/2017 – Trade Secret.
15. Brij N. Singh, Thomas Roan, Andrew Wieland, and Neal D. Clements, “Electronic assembly with one or more heat sinks”, US Patent 9,693,488, issue date June 27, 2017.
16. Brij N. Singh and Christopher Schmit, “Electronic inverter assembly with integral snubber capacitor”, US Patent 9,722,531, issue date August 1, 2017.
17. Brij N. Singh, “Machine for generating electrical energy.” US Patent 9,810,221, issue date November 7, 2017.
18. Thomas Roan, Brij N. Singh, Andrew Wieland, “Electrical connector assembly,” US Patent 9,859,624, issue date Jan 2. 2018.
19. Brij N. Singh, Thomas Roan, Andrew Wieland, and Neal D. Clements, “Electronic assembly with one or more heat sinks”, US Patent 9,860,987, issue date Jan 2, 2018.
20. Thomas Roan and Brij N. Singh, “Cooling conductive trace with pressurized air or gas,” US Patent 9,883,578, issue date Jan 2, 2018.
21. Brij N. Singh and Christopher Schmit, “Electronic inverter assembly”, US Patent 9,979,320, issue date May 22, 2018
22. Thomas Roan, Andrew Wieland and Brij N. Singh, “Electrical connector assembly,” US Patent 10,165,670, issue date Dec 25, 2018
23. Brij N. Singh, “Method for estimating a temperature of a transistor” US Patent 10,191,021, Jan 29, 2019.

Chetanya Puri	2012,EC	1. EP3330974A1 SYSTEM AND METHOD FOR PHYSIOLOGICAL MONITORING System and method for physiological monitoring are disclosed. The method for physiological monitoring includes identifying clean physiological signal training set from an input physiological… 1000 2. JP2018067287A ANOMALY DETECTION BY SELF-LEARNING OF SENSOR SIGNALS PROBLEM TO BE SOLVED: To provide methods for more accurately detecting anomalies in sensor signals by self-learning. SOLUTION: A pattern associated with an input sensor signal is recognized by… 848 3. EP3219254A1 METHOD AND SYSTEM FOR REMOVING CORRUPTION IN PHOTOPLETHYSMOGRAM SIGNALS FOR MONITORING CARDIAC HEALTH OF PATIENTS A method and system for removing corruption in photoplethysmogram (PPG) signals for monitoring cardiac health of patients is provided. The method is performed by extracting photoplethysmogram… 800 4. US20170273632 METHOD AND SYSTEM FOR REMOVING CORRUPTION IN PHOTOPLETHYSMOGRAM SIGNALS FOR MONITORING CARDIAC HEALTH OF PATIENTS A method and system for removing corruption in photoplethysmogram (PPG) signals for monitoring cardiac health of patients is provided. The method is performed by extracting photoplethysmogram… 707 5. US20180110471 ANOMALY DETECTION BY SELF-LEARNING OF SENSOR SIGNALS Accurate detection of anomaly in sensor signals is critical and can have an immense impact in the health care domain. Accordingly, identifying outliers or anomalies with reduced error and reduced… 707 6. US20170055913 SYSTEM AND METHOD FOR DETERMINING INFORMATION AND OUTLIERS FROM SENSOR DATA The present subject matter discloses a system and a method for identifying information from sensor data in a sensor agnostic manner. The system may receive sensor data provided by a sensor and may… 707 7. US20180075861 NOISY SIGNAL IDENTIFICATION FROM NON-STATIONARY AUDIO SIGNALS Traditionally known classification methods of non-stationary physiological audio signals as noisy and clean involve human intervention, may involve dependency on particular type of classifier and… 707 8. US20170258342 METHOD AND SYSTEM OF DETECTING ARRHYTHMIA USING PHOTOPLETHYSMOGRAM SIGNAL A method and system of detecting arrhythmia using photoplethysmogram (PPG) signal is provided. The method is performed by extracting photoplethysmogram (PPG) signals from a patient, extracting… 707 9. US20170340211 METHOD AND SYSTEM FOR PHYSIOLOGICAL PARAMETER DERIVATION FROM PULSATING SIGNALS WITH REDUCED ERROR This disclosure relates generally to biomedical signal processing, and more particularly to method and system for physiological parameter derivation from pulsating signals with reduced error. In… 707 10. US20180153419 SYSTEM AND METHOD FOR PHYSIOLOGICAL MONITORING This disclosure relates generally to physiological monitoring, and more particularly to feature set optimization for classification of physiological signal. In one embodiment, a method for… 707

		11. EP3292819A1 NOISY SIGNAL IDENTIFICATION FROM NON-STATIONARY AUDIO SIGNALS Traditionally known classification methods of non-stationary physiological audio signals as noisy and clean involve human intervention, may involve dependency on particular type of classifier and… 707 12. EP3219253A1 METHOD AND SYSTEM OF DETECTING ARRHYTHMIA USING PHOTOPLETHYSMOGRAM SIGNAL A method and system of detecting arrhythmia using photoplethysmogram (PPG) signal is provided. The method is performed by extracting photoplethysmogram (PPG) signals from a patient, extracting… 707 13. EP3427669A1 METHOD AND SYSTEM FOR CLASSIFYING PHONOCARDIOGRAM SIGNAL QUALITY A system and method for classifying the phonocardiogram (PCG) signal quality has been described. The system is configured to identify the quality of the PCG signal recording and accepting only… 707 14. JP2018038787A NOISY SIGNAL IDENTIFICATION FROM NON-STATIONARY AUDIO SIGNALS PROBLEM TO BE SOLVED: To provide systems and methods for automating the noisy signal identification with an ability to perform finer classification of lightly noisy audio signals from noisy audio… 707 15. 10172528 Method and system for physiological parameter derivation from pulsating signals with reduced error This disclosure relates generally to biomedical signal processing, and more particularly to method and system for physiological parameter derivation from pulsating signals with reduced error. In… 565 16. EP3312765A1 ANOMALY DETECTION BY SELF-LEARNING OF SENSOR SIGNALS Accurate detection of anomaly in sensor signals is critical and can have an immense impact in the health care domain. Accordingly, identifying outliers or anomalies with reduced error and reduced… 565 17. EP3251588A1 METHOD AND SYSTEM FOR PHYSIOLOGICAL PARAMETER DERIVATION FROM PULSATING SIGNALS WITH REDUCED ERROR A method and system for deriving physiological parameters from pulsating signals with reduced error is provided. The method is performed by extracting pulsating signals, removing spurious… 565 18. 9978392 Noisy signal identification from non-stationary audio signals Traditionally known classification methods of non-stationary physiological audio signals as noisy and clean involve human intervention, may involve dependency on particular type of classifier and…
Santosh Srivastava		1. https://patents.google.com/patent/US20070174294A1/en?oq=US2007%2f0174294+A1
Amit Pandey	2004,CS	1. https://patents.google.com/patent/US10187326B1/en?oq=10187326