

Title (en)  
IDENTIFYING STATISTICALLY LINEAR DATA

Title (de)  
ERMITTLUNG STATISTISCH LINEARER DATEN

Title (fr)  
IDENTIFICATION DE DONNEES STATISTIQUEMENT LINEAIRES

Publication  
**EP 1880334 A4 20100120 (EN)**

Application  
**EP 06752532 A 20060512**

Priority  

- US 2006018549 W 20060512
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- US 43285606 A 20060511

Abstract (en)  
[origin: WO2006124673A2] Methods, apparatus, and systems are provided for processing a data set having noise to determine whether the data set exhibits statistically linear behavior. A true data signal is calculated based on local properties of the data, and an estimate of the noise in the data is calculated from the true data signal. A measure of the estimated noise is then compared to properties of a linear fit to the data set.

IPC 8 full level  
**C12P 19/34** (2006.01); **G06F 19/00** (2006.01); **G06K 9/00** (2006.01); **G11C 17/00** (2006.01)

CPC (source: EP)  
**G06F 18/00** (2023.01); **C12Q 1/6851** (2013.01); **G06F 2218/10** (2023.01)

Citation (search report)  

- [A] US 2005069904 A1 20050331 - PEIRSON STUART [GB], et al
- [A] US 5827661 A 19981027 - BLAIS BURTON W [CA]
- [A] WO 0234948 A2 20020502 - HOPE CITY [US]
- [A] FENG J ET AL: "Model-based calibration for sensor networks", PROCEEDINGS OF IEEE SENSORS 2003 (IEEE CAT. NO.03CH37498) IEEE PISCATAWAY, NJ, USA; [IEEE INTERNATIONAL CONFERENCE ON SENSORS],, vol. CONF. 2, 22 October 2003 (2003-10-22), pages 737 - 742Vol.2, XP010691005, ISBN: 978-0-7803-8133-9
- [A] GOPI KRISHNA ALLU: "ESTIMATING THE PARAMETERS OF EXPONENTIALLY DAMPED SINUSOIDS IN NOISE", 28 April 2003 (2003-04-28), pages 1 - 17, XP002559536, Retrieved from the Internet <URL:http://www.ele.url.edu> [retrieved on 20091207]
- See references of WO 2006124673A2

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DOCDB simple family (publication)  
**WO 2006124673 A2 20061123; WO 2006124673 A3 20080417**; AU 2006247597 A1 20061123; AU 2006247597 B2 20100211;  
CA 2603389 A1 20061123; CA 2603389 C 20120710; CN 101292245 A 20081022; CN 101292245 B 20130417; EP 1880334 A2 20080123;  
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