

4 results for (NON-ORTHOGONAL AND IMU AND CALIBRAT+ AND BIOMED+)/CLMS/TI/AB/IW/TX - Collection: FAMPAT

#	Title	Publication number	1st App. date	Applicant/Assignee	1st Publ. date	Publ. date
1.	System for tracking animate or inanimate objects in real time with autoreferencing, autocalibration and robust synchronisation	WO2017163108	2016-03-23	INSTITUTE TECNOLÓGICO METROPOLITANO*	2017-09-28	2017-09-28

The present invention relates to a system for tracking and it and inanimate objects in real time, characterised in that it comprises an inertial-measurement acquisition system and an autonomous **calibration** system. The present invention also includes dynamic **calibration** of the inertial-measurement acquisition system with an automatic in-situ system for tracking that comprises a mixture of IMUs in **non-orthogonal** systems to create an autoreferencing system. The system can be used in water sports and where it is necessary to transmit the mechanical data of animate or inanimate objects. The system therefore uses robust transmission systems and data compilation models that prevent the desynchronisation of the information and include an infrared communication system.

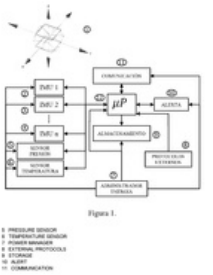


Figura 1.

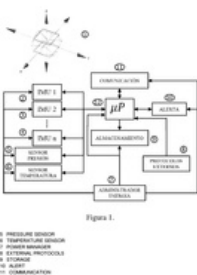


Figura 1.

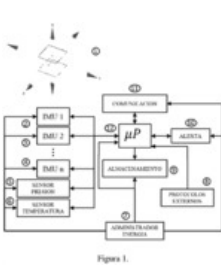


Figura 1.

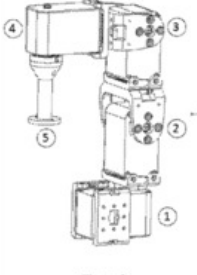


Figura 2.

2.	Method and system for feature detection	US2014201126	2014-03-18	Z ADVANCED COMPUTING*	2014-07-17	2014-07-17
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Specification covers new algorithms, methods, and systems for artificial intelligence, soft computing, and deep learning/recognition, e.g., image recognition (e.g., for action, gesture, emotion, expression, biometrics, fingerprint, facial, OCR (text), background, relationship, position, pattern, and object), Big Data analytics, machine learning, training schemes, crowd-sourcing (experts), feature space, clustering, classification, SVM, similarity measures, modified Boltzmann Machines, optimization, search engine, ranking, question-answering system, soft (fuzzy or unsharp) boundaries/impresiseness/ambiguities/fuzziness in language, Natural Language Processing (NLP), Computing-with-Words (CWW), parsing, machine translation, sound and speech recognition, video search and analysis (e.g. tracking), image annotation, geometrical abstraction, image correction, semantic web, context analysis, data reliability, Z-number, Z-Web, Z-factor, rules engine, control system, autonomous vehicle, self-diagnosis and self-repair robots, system diagnosis, medical diagnosis, **biomedicine**, data mining, event prediction, financial forecasting, economics, risk assessment, e-mail management, database management, indexing and join operation, memory management, data compression, event-centric social network, Image Ad Network.

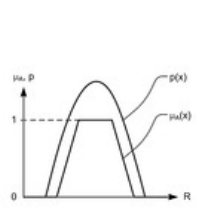
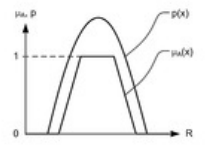


FIG 1

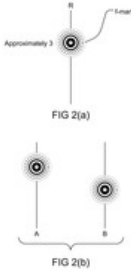
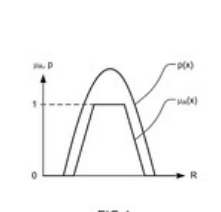


FIG 2(b)

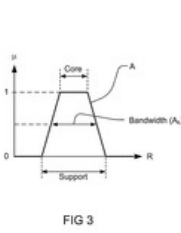


FIG 3

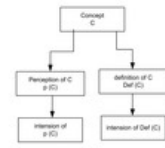


Fig. 4

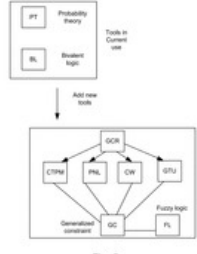


Fig. 5

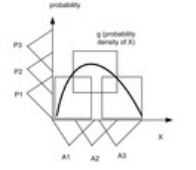


Fig. 6

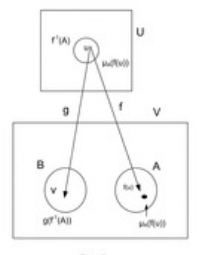


Fig. 7

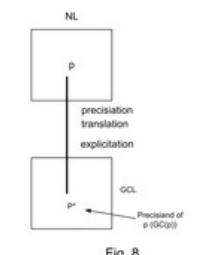


Fig. 8

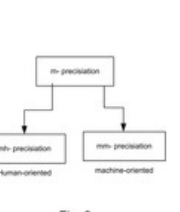
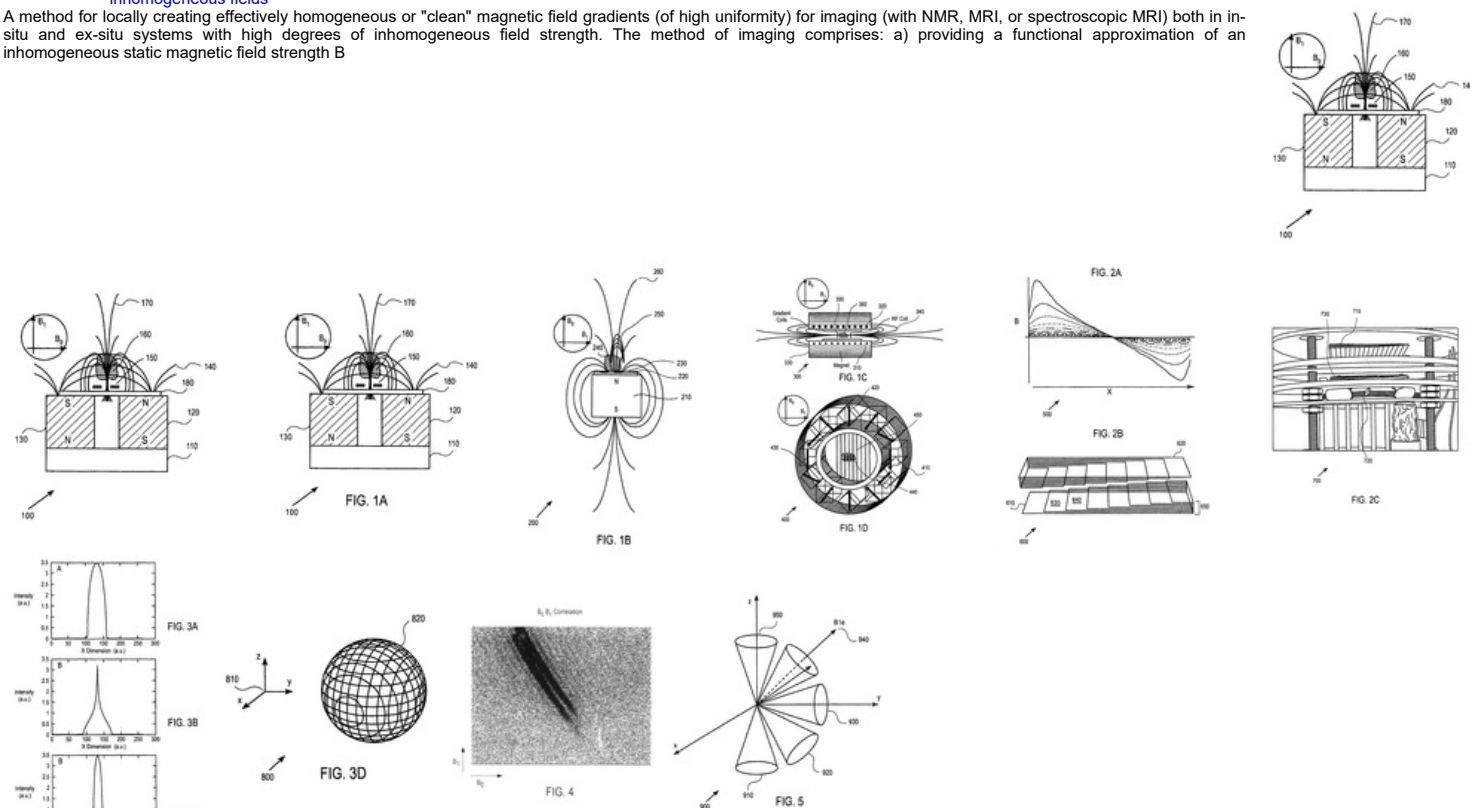


Fig. 9

A method for locally creating effectively homogeneous or "clean" magnetic field gradients (of high uniformity) for imaging (with NMR, MRI, or spectroscopic MRI) both in in-situ and ex-situ systems with high degrees of inhomogeneous field strength. The method of imaging comprises: a) providing a functional approximation of an inhomogeneous static magnetic field strength B



4. Video display modification based on sensor input for a see-through near-to-eye display

WO2013049248

2012-09-26

MICROSOFT*
OSTERHOUT

2013-04-04 2013-04-04

This disclosure concerns a near field communication (NFC) device which includes a wrist- worn NFC-enabled electronics device, wherein the wrist-worn NFC enabled electronics device includes a first communications link for communicating with a second NFC-enabled electronics device via NFC protocols, and a second communications link for communicating with an eyepiece via a medium-range communications protocol and receiving control commands. The wrist-worn NFC-enabled electronics device facilitates the transfer of data between the eyepiece and the second NFC-enabled electronics device. The eyepiece comprises optics enabling a see-through display on which is displayed the data.

