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李箐

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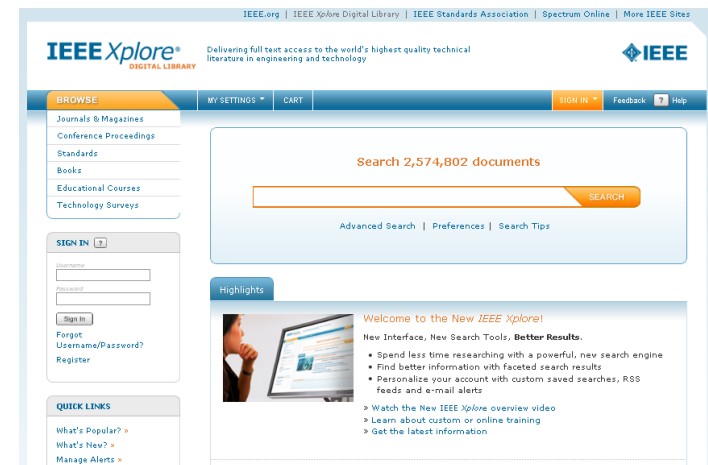
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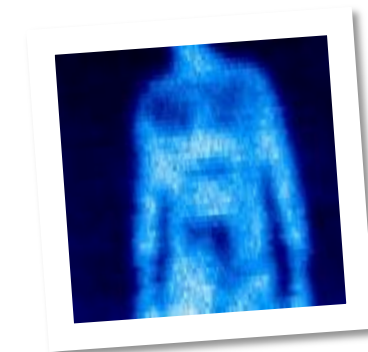


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- *IEEE Journal of Emerging and Selected Topics in Power Electronics*
- *IEEE Geoscience and Remote Sensing Magazine*

And two new journals translated to English:

- *China Communications Magazine*
(from the China Institute of Communications)
- *IEEE Revista Iberoamericana de Tecnologías del Aprendizaje*
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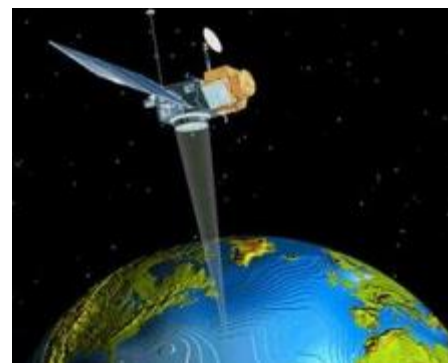
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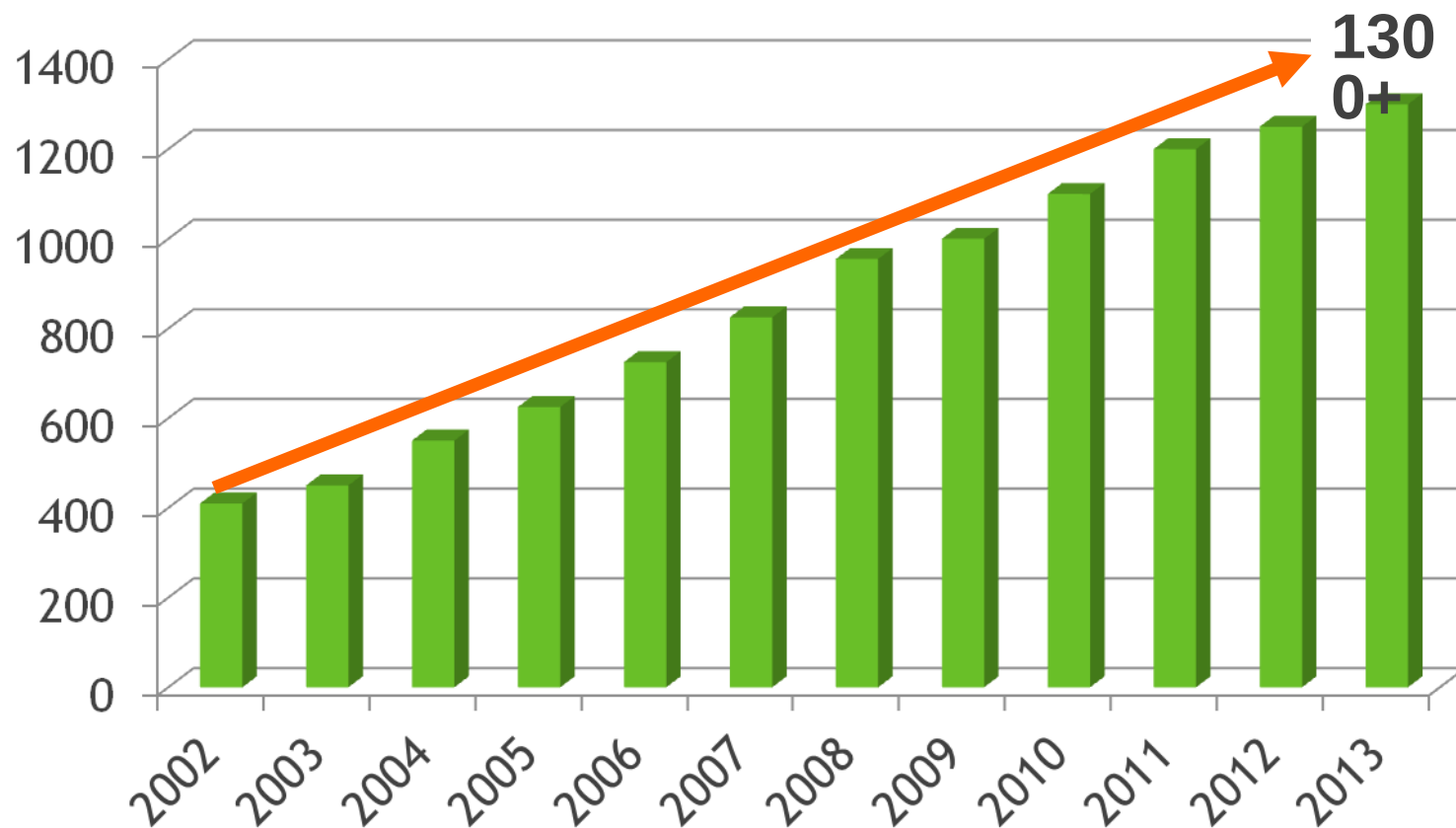
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- Internet-of-Things Networking and Control (IoT-NC), 2013 IEEE International Workshop of
- Intelligent Vehicles Symposium Workshops , 2013 IEEE

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IEEE 1905.1-2013™—IEEE Standard for a Convergent Digital Home Network for Heterogeneous Technologies

IEEE C37.242-2013™—IEEE Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control

IEEE 1801-2013™—IEEE Standard for Design and Verification of Low-Power Integrated Circuits

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☐ **Performance of Turbo coded wireless link for SISO-OFDM, SIMO-OFDM, MISO-OFDM and MIMO-OFDM system** 
Kamruzzaman, M.M.
Computer and Information Technology (ICCIT), 2011 14th International Conference on
Digital Object Identifier: 10.1109/ICCITechn.2011.6164780
Publication Year: 2011 , Page(s): 185 - 190
Cited by: Papers (4)
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☐ **Adaptive switching between space-time and space-frequency block coded OFDM systems** 
Keonkook Lee ; Youngok Kim ; Namjeong Lee ; Joonhyuk Kang
Military Communications Conference, 2008. MILCOM 2008.
IEEE
Digital Object Identifier: 10.1109/MILCOM.2008.4753221

Top 25 Authors & Affiliations

▼ AUTHOR

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- ☐ Juntti, Markku J. (51)
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- ☐ Communications, IET (43)
- ☐ Selected Areas in Communications, IEEE Journal on (38)
- ☐ Information Theory, IEEE Transactions on (36)
- ☐ Communications Magazine, IEEE (28)
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- ☐ Signal Processing Letters, IEEE (17)

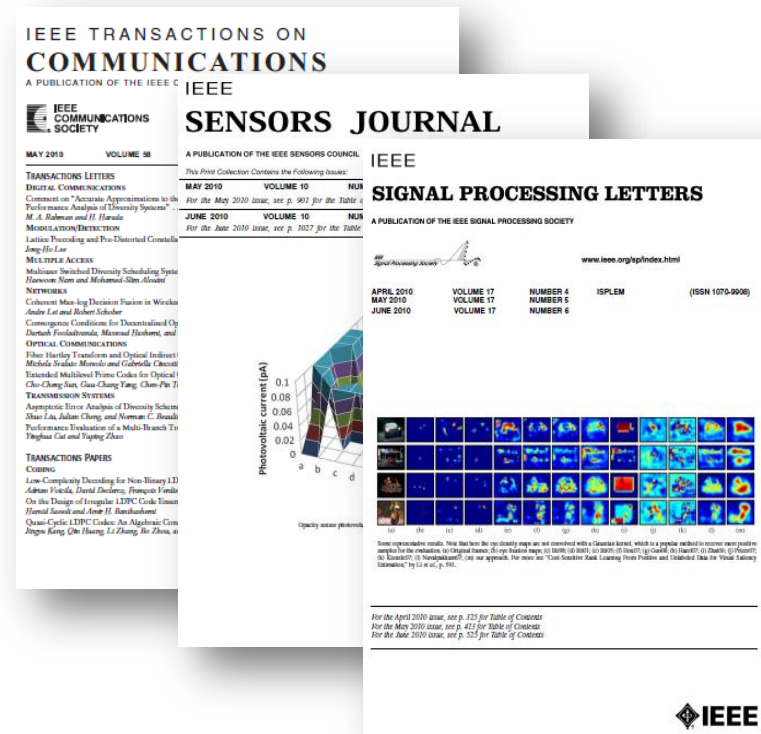
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- ☐ Vehicular Technology Conference, 2009. VTC Spring 2009. IEEE 69th (43)
- ☐ Vehicular Technology Conference, 2004. VTC2004-Fall. 2004 IEEE 60th (40)
- ☐ Vehicular Technology Conference, 2006. VTC 2006-Spring. IEEE 63rd (40)
- ☐ Personal, Indoor and Mobile Radio Communications, 2007. PIMRC 2007. IEEE 18th International Symposium on (39)

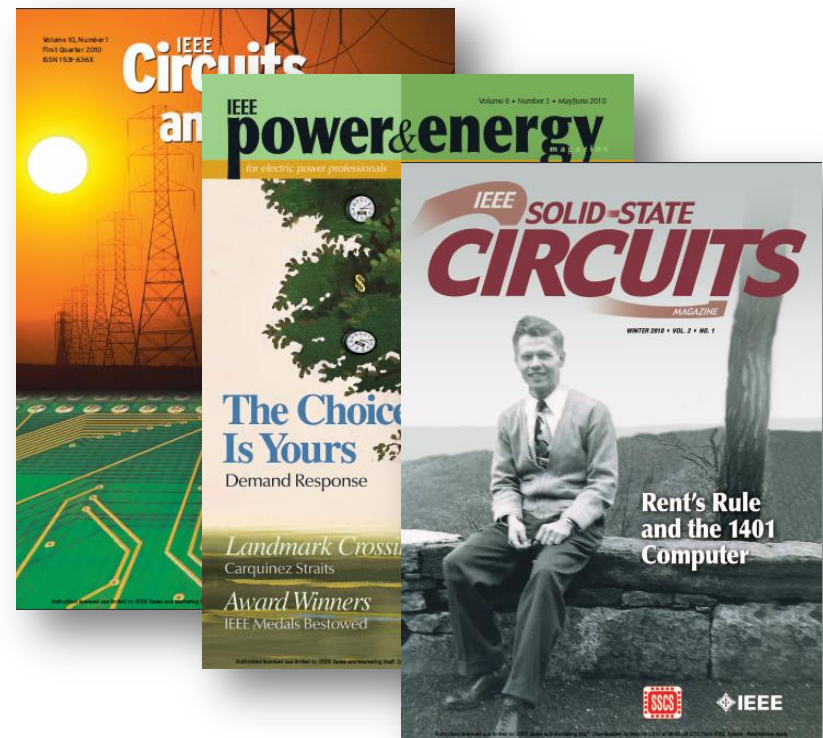
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Radio Frequency Integrated Circuits

Radio Frequency Integrated Circuits • Issue 1

Current View

LC Resonators

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Summary

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losses. Today, all inductors are designed hollow, and quite often with a single turn for inductances below 1 nH in value. Initially, differential LC oscillators made use of two identical inductors; however, it was soon recognized [Danesh 1998] that a differentially driven symmetrical inductor layout (with a center-tap for the power-supply connection) produced a higher Q for the same overall inductance value, while consuming less chip area. For these reasons, the symmetrical inductor is used in differential VCO circuits. Fig. 6 shows an example using a square symmetric inductor. In practice, the inductor is often realized as an octagon to obtain the same inductance but with less wire resistance and greater chip area. It is also worth mentioning that bond wires proposed as high-Q inductors very early on in the development of VCOs [Craninckx 1995a] vastly outperformed monolithic inductors. However, with the improvement of monolithic inductors, their higher controllability, reliability and insensitivity to stray magnetic fields made them the solution of choice for mainstream applications. Nonetheless, bond-wire inductors are still used in niche applications requiring extremely low power consumption.

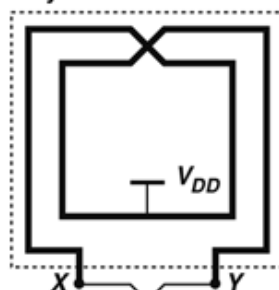
Danesh 1998

A Q-factor enhancement technique for MMIC inductors

Craninckx 1995a

Low-noise voltage-controlled oscillators using enhanced LC-tanks

Symmetric Inductor



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☐ **An overview of MIMO communications - a key to gigabit wireless**

Paulraj, A.J. ; GORE, D.A. ; Nabar, R.U. ; Bolcskei, H.
Proceedings of the IEEE
Volume: 92 , Issue: 2
Digital Object Identifier: 10.1109/JPROC.2003.821915
Publication Year: 2004 , Page(s): 198 - 218
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1. Lei Shao; Roy, S. "Downlink multicell MIMO-OFDM: an architecture for next generation wireless networks", *Wireless Communications and Networking Conference, 2005 IEEE*, On page(s): 1120 - 1125 Vol. 2 Volume: 2, 13-17 March 2005

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4- The nan
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1- Positioning single atoms with a scanning electron microscope



2- Survey of nanomanipulation systems



3- Toward a tele-nanorobotic manipulation system with atomic scale force feedback and motion ...



4- Tele-nanorobotics using atomic force microscope as a robot and sensor



5- The nanomanipulator: A teleoperator for manipulating materials at the nanometer scale



6- Teleoperated touch feedback from surfaces at the nanoscale: Modeling and experiments

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1- Virtual reality and haptics for nanorobotics



2- Modeling and Control of AFM-based Nano-manipulation Systems



3- Atomic force microscope based two-dimensional assembly of micro/nanoparticles



4- Modification of the Wave Variable Technique for Teleoperation Systems Experiencing Communi...



5- Soft microcontact printing with force control using microrobotic assembly based templates



6- Two-dimensional, vision-based μ N force sensor for microrobotics



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☐ **Closely Mounted Mobile Handset MIMO Antenna for LTE 13 Band Application**

Lee, B. ; Harackiewicz, F. ; Wi, H.
Antennas and Wireless Propagation Letters, IEEE
Volume: PP , Issue: 99
Digital Object Identifier: 10.1109/LAWP.2014.2307310
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Wang, G. ; Wu, K. ; Ni, L.

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Consumer Electronics, IEEE Transactions on (Volume:57 , Issue: 4)

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10.1109/TCE.2011.6131136

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An Analytic Hierarchy Assessment Method for

Hsin-Yi Tsai; Yu-Lun Huan

Reliability, IEEE Transactions on

Volume: 60 , Issue: 4

Topic(s): Components, Computers & Computing (C), Materials, Dielectrics & Plasma Fields, Waves & Electromagnetic Engineers (Math, Science & Optics) ; Signal Processing

Digital Object Identifier: 10.1109/VTAS.2010.5468601

Publication Year: 2011 , Page Cited by 1

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The Surface Water and Ocean Topography Mission: Observing Terrestrial Surface Water and Oceanic Submesoscale Eddies

Better prediction of water storage changes in lakes, reservoirs and wetlands, and of river discharge may be achieved by low, mid and high-altitude satellite passes over the Earth.

The elevation of the ocean surface has been measured for over two decades from spaceborne altimeters. However, existing altimeter measurements are not adequate to characterize the dynamic variations of most inland water bodies, nor of ocean eddies at scales of less than about 100 km, notwithstanding that such eddies play a key role in ocean circulation and climate change.

This paper appears in: Journal Name, Issue Date: 19-22 April 2010, Written by: Jackson, T.J.

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SECTION 1
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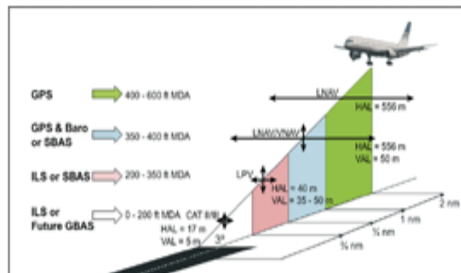


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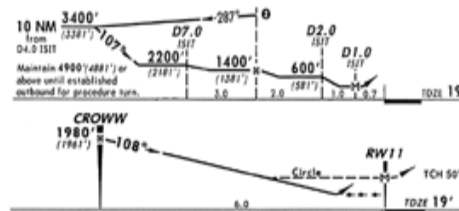


Fig. 2.



Fig. 3.

Reference Preview on Mouseover

For aircraft navigation, fault detection and isolation is paramount. Faults that may cause HMI must be noticed and mitigated in real-time. The operation of GPS has been very reliable and clearly reflects the extraordinary skill of the Air Force personnel that operate and maintain GPS. However, faults have occurred. Some are man-made and others are due to Mother Nature.

For example, the navigation data broadcast by the GPS satellites occasionally contain significant errors. As shown in Fig. 3, the GPS satellites are monitored by a relatively sparse ground control network (five stations are shown in Fig. 3 but eight new stations have been recently added [5]). Measurements at the ground stations are used to predict the orbit of the GPS satellites. These predictions are uploaded to the satellite and broadcast to the users. Generally, this estimated orbit is within 1 or 2 m of the true orbit [6]. However, the broadcast

6. Broadcast vs. precise GPS ephemerides: A historical perspective

D. L. M. Warren, J. F. Raquet

GPS Solutions, Vol. 7, issue (3), 2003-12

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made longer for these architectures as the ground monitoring is no longer responsible for meeting the 6.2 s TTA on its own.

Continuity requires that the above requirements be met continuously for the duration of the approach. Given that the above requirements are met at the initiation of the approach, the probability that one of them will be exceeded must be at or below 8×10^{-6} per 15 second interval [18], [24].

Availability is the fraction of time that all above requirements are met. For the system to be useful, it must be available at least 99% of the time at any location where LPV-200 service is authorized [18], [24]. For scheduled service, it may need to be available for even greater percentages of time (between 99.9% and 99.999%).

All of the architectures considered for this paper rely on dual frequency ranging measurements. The L1 and L5 signals are combined in a way to eliminate the first-order ionospheric delay [25]. Unfortunately, this combination increases the impact of measurement noise and multipath. The measurement noise term for the j th satellite can be described as normally distributed with zero mean and variance

$$\sigma_{j,DF_air}^2 = \left(\frac{f_1^2}{f_1^2 - f_5^2} \right)^2 \sigma_{L1,j,air}^2 + \left(\frac{f_5^2}{f_1^2 - f_5^2} \right)^2 \sigma_{L5,j,air}^2 \quad (1)$$



▼ TeX Source

```
$$\sigma_{j, \{\rm DF\}} \backslash_{\rm air}}^2 = \left( \frac{f_1^2}{f_1^2 - f_5^2} \right)^2 \sigma_{L1, j, \rm air}}^2 + \left( \frac{f_5^2}{f_1^2 - f_5^2} \right)^2 \sigma_{L5, j, \rm air}}^2 \quad \text{eqno}\{\hbox{(1)}\}$$
```

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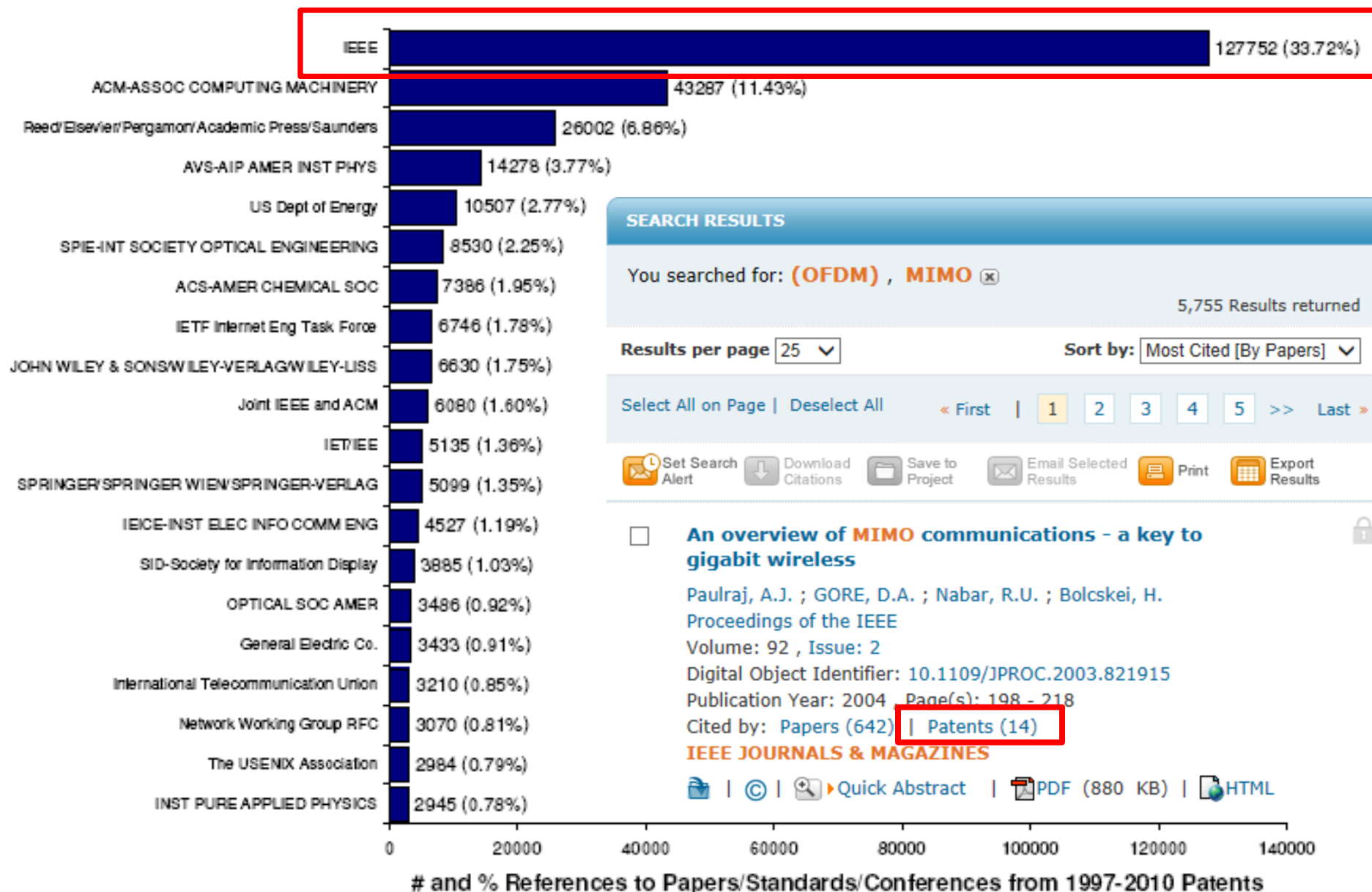
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Scenario 5

- How does a scientific paper on Xplore drive corporate patent innovation?



Figure 2 - # and % of Patent References from Top 25 Companies to Top 20 Journal Publishers



Patent Citation Linking

4
Author(s)

Paulraj, A.J. ; Inf. Syst. Lab., Stanford Univ., CA, USA ; GORE, D.A. ; Nabar, R.U. ; Bolcskei, H.

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656 Citations

IEEE (528) | Other Publishers (114) | **Patents (14)**



Citation Map

Cited by IEEE (528)

1. Lei Shao; Roy, S. "Downlink multicell MIMO-OFDM: an architecture for next generation wireless networks", *Wireless Communications and Networking Conference, 2005 IEEE*, On page(s): 1120 - 1125 Vol. 2 Volume: 2, 13-17 March 2005

[Abstract](#) | [Full Text: PDF \(1839KB\)](#)

US Patent Office (USPTO)

Cited by Patents (14) Patent Links Provided by 1790 Analytics

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1. Li, Min , "Method And Device For Multiple Input-Multiple Output Detection" , Patent No. 8615057



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(1 of 1)

United States Patent

Gupta , et al.

8, 341, 524

December 25, 2012

Portable electronic device with local search capabilities

Abstract

Improved methods and systems that assist a user in searching media items on a portable electronic device are disclosed. According to one aspect of the invention, a portable electronic device is provided with a search function that enables a user to search for media items resident on the portable electronic device. The search function can search through different types of media items. Those of the media items that are deemed matching can be ranked in order of relevance and displayed in a list for the user. Thereafter, the user can navigate the list to select one of the listed media items for playback. According to another aspect of the invention, various graphical user interfaces can be presented on a portable electronic device to assist a user in interacting with the portable electronic device to utilize a search function.

Inventors: Gupta; Sandeep (Fremont, CA), Huang; Szu-Wen (Fremont, CA), Marriott; Greg (Honolulu, HI), Lee; Jeff (Sunnyvale, CA)



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113.



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EP1693771 (A1)

Bibliographic data

Description

Claims

Mosaics

Original document

Cited documents

Citing documents

INPADOC legal status

INPADOC patent family

Quick help —
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Synchronization of files and pertaining metadata in a mobile environment.

Page bookmark

EP1693771 (A1) - Synchronization of files and pertaining metadata in a mobile environment.

Inventor(s):

RAMAN BALAN SETHU [US]; HUDIS IRENA [US]; NOVIK LEV [US]; ECHERUO OKECHUKWU C [US]; RAO RAJESH M [US]; WU YUNXIN [US] ±

Applicant(s):

MICROSOFT CORP [US] ±

Classification:

- international: **G06F17/30**
- cooperative: **G06F17/30174; H04L29/0854**

Application number:

EP20060110221 20060221

Priority number(s):

US20050063381 20050222

Also published as:

 **US2006190506 (A1)**  **US7720890 (B2)**  **KR20060093672 (A)**  **JP2006236350 (A)** → **JP5058495 (B2)**
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Scenario 6

- How can I stay current and competitive by using the IEEE Xplore?
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Results per page

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☐ Mixed Results Using

Joe-Ming Chang, Fan-Gang Tseng, Ching-Chang Chang
NanoBioscience, IEEE Transactions on

Don't Forget To “Alert” on Your Competitors

The screenshot shows the IEEE Xplore interface. At the top, a navigation bar includes 'MY SETTINGS', 'MY PROJECTS', and 'WHAT CAN I ACCESS?'. The 'MY SETTINGS' dropdown menu is open, showing options: Alerts, Purchase History, Saved Searches (highlighted), Preferences, Search History, and What can I access?. Below the menu, a search bar with a 'SEARCH' button is visible. A notification banner states: 'Alerts will be sent to **qing-li@ieee.org** in **plaintext** format. These settings can be updated within the Preferences feature.'

Below the notification, a list of saved searches is displayed:

Search ID	Search Name	Search Query	RSS	Rename	Delete	Disable Alert
1	Competitors	You Searched For "((Author Affiliations ":Perkin Elmer) OR Author Affiliations ":Bruker)"	RSS	Rename	Delete	Disable Alert
2	AFM	You Searched For " Atomic Force Microscope " You refined by " force sensor nano *"	RSS	Rename	Delete	Disable Alert
3	radar-imaging	You Searched For "(((Radar Imaging) OR Radar Mapping) OR Satellite imagery) OR High Resolution Imagery)"	RSS	Rename	Delete	Disable Alert

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Advanced Keyword/Phrases

Command Search

Publication Quick Search

Preferences

ENTER KEYWORDS OR PHRASES, SELECT FIELDS, AND SELECT OPERATORS

Note: Refresh page to reflect updated preferences.

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OR

OR

Advanced Keyword/Phrases

Command Search

Publication Quick Search

Preferences

ENTER KEYWORDS OR PHRASES, SELECT FIELDS, AND SELECT OPERATORS

Note: Refresh page to reflect updated preferences.

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Perkin Elmer

 in

Author Affiliations

OR

Bruker

 in

Author Affiliations



6/5/2014

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Encourage collaboration and knowledge sharing via “My Projects”

The screenshot displays the IEEE Xplore 'My Projects' page. The top navigation bar includes 'BROWSE', 'MY SETTINGS', and 'MY PROJECTS' (highlighted with a red box). The main content area is titled 'My Projects (3 Projects)' and lists three projects: 'Radar Imaging', 'Cloud Computing', and 'RFID'. The 'Radar Imaging' project is selected, showing a list of search results for 'radar imaging'. The search results section includes a 'SEARCH RESULTS' header, the search term 'radar imaging', and '22,222 Results returned'. Below this are filters for 'Results per page' (25) and 'Sort by' (Relevance). A pagination bar shows 'Select All on Page | Deselect All' and page numbers 1 through 5. A toolbar contains icons for 'Set Search Alert', 'Download Citations', 'Save to Project' (highlighted with a red box), 'Email Selected Results', 'Print', and 'Export Results'. The search results list includes two entries: 'Wide-angle radar imaging using time-frequency distributions' and 'A Through-Dielectric Radar Imaging System'. Both entries are marked as 'INCLUDED WITH YOUR SUBSCRIPTION'.

My Projects (3 Projects)

- Radar Imaging**
0 Documents • Created 九月, 17, 2012 10:00
Description: Inverse synthetic aperture radar (ISAR) frequency chirp signal (SFCs)
- Cloud Computing**
7 Documents • Created 九月, 10, 2012 8:20
Description: All recent papers related to cloud computing
- RFID**
0 Documents • Created 九月, 10, 2012 8:50
Description: Radio Frequency Identification

SEARCH RESULTS

You searched for: **radar imaging**

22,222 Results returned

Results per page: 25 | Sort by: Relevance

Select All on Page | Deselect All | << First | 1 | 2 | 3 | 4 | 5 | >> Last >

Set Search Alert | Download Citations | **Save to Project** | Email Selected Results | Print | Export Results

☒ **Wide-angle radar imaging using time-frequency distributions** INCLUDED WITH YOUR SUBSCRIPTION
Lanterman, A.D.; Munson, D.C., Jr.; Wu, Y.
Radar, Sonar and Navigation, IEE Proceedings - Volume: 150 , Issue: 4
Digital Object Identifier: 10.1049/ip-rsn:20030712
Publication Year: 2003
Cited by 1
IET JOURNALS & MAGAZINES
Quick Abstract | PDF (475 KB)

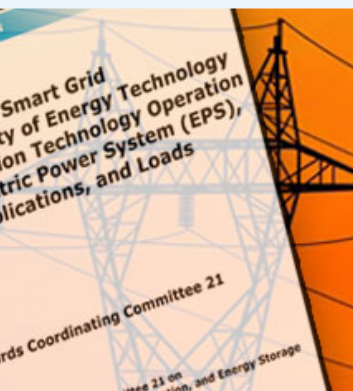
☒ **A Through-Dielectric Radar Imaging System** INCLUDED WITH YOUR SUBSCRIPTION
Charvat, G.L.; Kempel, L.C.; Rothwell, E.J.; Coleman, C.M.; Mokole, E.L.

Scenario 7

- How can I better search standards and get involved in the standard development processes?



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1000 - 1099	1100 - 1199	1200 - 1299	1300 - 1399	1400 - 1499	1500 - 1599	1600 - 1699	1700 - >	C	
N	S	Y							

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Idea!



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- Search for WORKING GROUPS by topic: <http://standards.ieee.org/develop/wg/>
- Search by SPONSOR: http://grouper.ieee.org/groups/detailed_index.html

Contact

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- Reach out to the working group contact to join the working group

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