

Analysis and comparison of high-frequency link converter topologies

Korkh, Oleksandr 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 / p. 156-161 : ill
http://ise.elnet.ee/record=b2950098~S2*est

Analysis of new bidirectional DC-DC converter based on current doubler rectifier

Beldjajev, Viktor; Roasto, Indrek 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 / p. 234-237 : ill

Analysis of oscillation suppression methods in the AC-AC stage of high frequency link converters

Korkh, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 5 p. : ill
<https://doi.org/10.1109/RTUCON48111.2019.8982259>

Antennid ja ülikõrgsagedusseadmed : kursusetöö metoodiline juhend raadiotehnika eriala (0701) üliõpilastele

1985 https://www.ester.ee/record=b1207109*est

Antennid ja ülikõrgsagedusseadmed : laboratoorsed tööd erialale 0701 "Raadiotehnika"

1989 https://www.ester.ee/record=b1232345*est

Auxiliary power supplies for the light rail vehicles : research and development

Vinnikov, Dmitri 2009 <https://www.amazon.com/AUXILIARY-POWER-SUPPLIES-LIGHT-VEHICLES/dp/3838303695>

Bidirectional isolated current source DAB converter with extended ZVS/ZCS range and reduced energy circulation for storage applications

Blinov, Andrei; Kosenko, Roman; Vinnikov, Dmitri; Parsa, Leila IEEE transactions on industrial electronics 2020 / p. 10552-10563 <https://doi.org/10.1109/TIE.2019.2958291> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Computer aided method for measurement of reflection and impedance characteristics of RF devices

Asoich, P.L.; Zhukov, S.A.; Ivanyuhin V.I. Automation, simulation & measurement : ASM'91 : 3rd biennial conference, Tallinn, October 7-11, 1991. Section A. Section M / Tallinn Technical University 1992 / p. 122-127: ill

Computer aided modeling of high frequency power M-S structures

Rang, Toomas; Udal, Andres Proceedings of the seventh Colloquium on Microwave Communication : Budapest, 6-10 Sept. 1982 / p. 238-241

Design of high frequency transformer for isolated bridge-type PFC converter

Zinchenko, Denys; Blinov, Andrei; Vinnikov, Dmitri; Ormisson, Andres 2020 IEEE 4th International Conference on Intelligent Energy and Power Systems (IEPS), 06.07.2020 - 10.07.2020, Istanbul, Turkey 2020 / 8 p. : ill
<https://doi.org/10.1109/IEPS51250.2020.9263134>

Determination of high frequency parameters of an induction motor drive

Klytta, Marius; Lehtla, Tõnu; Sidelnikov, Pavel EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems 2004 / p. 6-391 - 6-395 : ill

Development and optimisation of modelling methods and algorithms for terahertz range radiation sources based on quantum well heterostructures = Kvantaukudega heterostruktuuridel põhinevate terahertsikiirgurite modelleerimismeetodite ja -algoritmide arendus ja optimeerimine

Reeder, Reeno 2014 https://www.ester.ee/record=b3084247*est

Elektromagnetmüra võib arvesti näidud sassi ajada ja teha muud kurja

Piir, Rait novaator.err.ee 2024 [Elektromagnetmüra võib arvesti näidud sassi ajada ja teha muud kurja](https://novaator.err.ee/2024/elektromagnetmure-voib-arvesti-naidud-sassi-ajada-ja-teha-muud-kurja)

EMI problems of current measurements in inverters with high switching frequency

Boiko, Vitali; Laugis, Juhan 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / p. 135-137 : ill
<https://ieeexplore.ieee.org/document/1547567>

EMI problems of current measurements in inverters with high switching frequency [Electronic resource]

Boiko, Vitali; Laugis, Juhan Proceedings of 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / [5] p. : ill. [CD-ROM]
<https://ieeexplore.ieee.org/document/1547567>

Event driven method for transient simulation of high frequency digital circuits

Popescu, Gabriel-Stefan; Tarniceriu, Daniela BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 253-256: ill

High-frequency current sensor for power network on-line measurements

Kütt, Lauri; Järvi, Jaan; Vaimann, Toomas; Shafiq, Muhammad; Lehtonen, Matti; Kilter, Jako Proceedings of the 13th International Scientific Conference Electric Power Engineering 2012 : EPE 2012 : Brno. Vol. 1 2012 / p. 367-371 : ill
https://www.researchgate.net/publication/262674502_High-Frequency_Current_Sensor_for_Power_Network_On-line_Measurements

High-voltage pulse transformer for IOT modulators

Jalakas, Tanel; Janson, Kuno; Mölder, Heigo; Roasto, Indrek IET electric power applications 2020 / p. 2348-2354
<https://doi.org/10.1049/iet-epa.2019.0877> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interpretation of radio metric signal for tumour detection

Riipulk, Jevgeni; Hinrikus, Hiie 19th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Oct. 30 - Nov. 2, 1997, Chicago IL USA : Magnificent Milestones and Emerging Opportunities in Medical Engineering : final program & abstract book 1997 / p. 165 <https://ieeexplore.ieee.org/abstract/document/756838>

Isolated high-frequency link PFC rectifier with high step-down factor and reduced energy circulation

Blinov, Andrei; Vinnikov, Dmitri; Romero-Cadaval, Enrique; Martins, João F.; Pefitsis, Dimosthenis IEEE journal of emerging and selected topics in industrial electronics 2022 / p. 788-796 <https://doi.org/10.1109/JESTIE.2021.3126226>

Kõrsgasedusahi

Randmer, Uudus Eesti entsüklopeedia. 5 1990 / lk. 285

Kõrsgaseduslik lülitrežiimne sünkroondetektor : magistritöö

Kuusik, Alar 1995 https://www.ester.ee/record=b2680357*est

Kõrsgaseduslike võnkumiste võimendamine ja juhtimine raadiosaatjas : raadiosaateseadmete laboratoorsed tööd

1978 https://www.ester.ee/record=b1310422*est

Kõrsgasedusvõimendaja transformaatorsidestuses

Eiskop, Ilmar; Plakk, Paul Üliõpilaste teaduslike tööde kogumik. 1 1954 / lk. 10-17 https://www.ester.ee/record=b2180914*est
<https://digikogu.taltech.ee/et/Item/3cfa4d25-267d-474a-9dcf-413cca14de7>

Lülitrežiimis töötav kõrsgasedusvõimendi

Pikkov, Otto Side. Raadio. Televisioon : infoseeria 10 1984 / lk. 10-16 : ill https://www.ester.ee/record=b1232303*est

Madala müratasemega lairibaline kõrsgasedusvõimendi

Gorlov, J.; Tšubrik, A. B. XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 54 https://www.ester.ee/record=b2449987*est

Microwave radiometry for medical applications

Riipulk, Jevgeni 2000 http://www.ester.ee/record=b1416062*est

Microwave radiometry for medical applications

Riipulk, Jevgeni; Hinrikus, Hiie Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 99-102: ill

Modelling of high frequency voltage transients of electrical motors

Laugis, Juhan; Lehtla, Tõnu ELECTROMOTION '99 : 3rd International Symposium on Advanced Electromechanical Motion Systems : July 8-9, 1999, Patras, Greece : proceedings. Vol. I 1999 / p. 243-247

New step-up DC/DC converter with high-frequency isolation

Vinnikov, Dmitri; Roasto, Indrek; Jalakas, Tanel IECON 2009 : 35th Annual Conference of the IEEE Industrial Electronics Society. ICELE 2009 : 3rd IEEE International Conference on E-learning in Industrial Electronics : Porto, Portugal, 3-5 November 2009 : abstracts 2009 / p. 280 <https://ieeexplore.ieee.org/document/5415000>

New step-up DC/DC converter with high-frequency isolation

Vinnikov, Dmitri; Roasto, Indrek; Jalakas, Tanel IECON 2009 : 35th Annual Conference of the IEEE Industrial Electronics Society : Porto, Portugal, 3-5 November 2009 : preprint proceedings 2009 / p. 667-672 : ill <https://ieeexplore.ieee.org/document/5415000>

A new type of compact silencer for high frequency noise

Kabral, Raimo; Auriemma, Fabio; Knutsson, Magnus; Abom, Mats Proceedings of the 9th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2014, Tallinn, Estonia 2014 / p. 29-35 : ill

On evaluation of high frequency channel parameter

Meister, Mari-Anne; Lossmann, Eerik; Madar, Urve Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 49-51 : ill

On HF communication link parameter estimation in the Baltic region

Lossmann, Eerik; Meister, Mari-Anne; Madar, Urve 2011 IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (IEEE APWC '11) : Torino, Italy, September 12-16, 2011 : proceedings 2011 / p. 812-814 : ill
<https://ieeexplore.ieee.org/document/6046802>

Optimization and Design of Planar Transformer for the High Frequency Link Converter

Korkh, Oleksandr; Blinov, Andrei; Vinnikov, Dmitri; Shevchenko, Viktor 2020 IEEE 11th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), 28 Sept.-1 Oct. 2020, Dubrovnik, Croatia 2020 / p. 615-620
<https://doi.org/10.1109/PEDG48541.2020.9244465>

Overcoming EMI problems in the high-power high-frequency DC/DC converters - a case study

Vinnikov, Dmitri; Laugis, Juhan Технічна електродинаміка 2006 / 5, p. 33-37 : ill

Reactive power control for bidirectional isolated high-frequency link converter

Emiliani, Pietro; Blinov, Andrei; Pefitsis, Dimosthenis; Giannakis, Andreas; **Vinnikov, Dmitri** 2022 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) 2022 / p. 372-376
<https://doi.org/10.1109/SPEEDAM53979.2022.9842131>

Research of over-voltages and other high frequency phenomena in long cable AC drives

Klytta, Marius; **Lehtla, Tõnu; Naadel, Raul** 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / p. 147-149 : ill

Research of over-voltages and other high frequency phenomena in long cable AC drives [Electronic resource]

Klytta, Marius; **Lehtla, Tõnu; Naadel, Raul** Proceedings of 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / [5] p. : ill. [CD-ROM]

Results of the practical research for HF communications in Estonia

Meister, Mari-Anne; Lossmann, Eerik; Madar, Urve HF 10 : Nordic Shortwave Conference : 17-19 August 2010, Farö, Sweden : conference proceedings 2010 / p.4.2.1-4.1.10 : ill

Series-parallel resonant current-source DC-DC converter with wide output voltage range

Blinov, Andrei; Carvalho da Silva, Edivan Laercio; Verbytskyi, Ievgen; Vinnikov, Dmitri 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604346>

A single-phase high-frequency isolated quasi-Z-source AC-AC converter without commutation problem and step-change frequency operation

Zargariafshar, D.; Mousavi, S. M. J.; Babaei, Ebrahim; Mashinchi Maheri, Hamed; **Hassanpour, Naser** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413096>

Zero-current switching impedance-source DC-DC converter

Korkh, Oleksandr; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2019 / p. 5051-5056 <https://doi.org/10.1109/IECON.2019.8927614> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Valguse värelus

Risthein, Endel Elektriala 2004 / 6, lk. 10-12 : ill https://artiklid.elnet.ee/record=b1017313*est

Wideband frequency response analysis for sensitive condition estimation of machine's turn insulation degradation faults

Sardar, Muhammad Usman; Vaimann, Toomas; Kütt, Lauri; Asad, Bilal; Kallaste, Ants; Land, Raul 2025 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) 2025 / 6 p <https://doi.org/10.1109/WEMDCD61816.2025.11014207>

Ülikõrgsagedusseadmed : laboratoorsed tööd

1978 https://www.ester.ee/record=b1326987*est

Ülikõrgsagedusseadmed : laboratoorsed tööd

1971 https://www.ester.ee/record=b1332605*est

Антенны и устройства СВЧ : методическое руководство по курсовой работе для специальности 0701 "Радиотехника"

1988 https://www.ester.ee/record=b1222228*est

Высокочастотное преобразование сетевого напряжения

Pikkov, Otto Проблемы моделирования полупроводниковых структур и сложных схем на ЭВМ 1982 / с. 83-92 : ил
https://www.ester.ee/record=b1339926*est <https://www.etera.ee/zoom/121726/view?page=3&p=separate&search=true&tool=search>

Исследование фазы возникновения ВЧ разряда с острия

Veimer, Vladimir Труды по физике : сборник статей. 8 1976 / с. 15-26 : илл https://www.ester.ee/record=b2190766*est
<https://digikogu.taltech.ee/et/Item/023bba63-69e4-40f1-8c80-5c023bdbae0d>

Исследование фоточувствительного сульфида кадмия бесконтактным СВЧ методом

Tuvike, Tiit VI Республиканская конференция молодых ученых-химиков : тезисы докладов 1985 / с. 244
https://www.ester.ee/record=b1232928*est

Разработка фоточувствительного сульфида кадмия для применения в областях СВЧ и ионизирующего излучения

Veel, Ene; Krunks, Malle; Hiie, Jaan; Mellikov, Enn Тезисы докладов Конференции по технологии получения, исследованию свойств, применению редких металлов, их соединений и полупроводниковых материалов 1976 / с. 209