

An improved high-voltage IGBT-based half-bridge DC/DC converter for railway applications

Vinnikov, Dmitri; Laugis, Juhani COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2011 / p. 280-299 : ill <https://www.emerald.com/insight/content/doi/10.1108/03321641111091566/full/html>

Avati 4,2 miljoniline kõrgepinge labor Tallinna Tehnikaülikoolis

Studioosus 2010 / veebr., lk. 7

Avati moodne kõrgepingelabor

Mente et Manu 2010 / lk. 2 https://www.estet.ee/record=b1242496*est

Comparison of 2- and 3-level Half-Bridge DC/DC converters for high-voltage high-power applications

Vinnikov, Dmitri; Strzelecki, Ryszard Przeglad elektrotechniczny = Electrical review 2009 / 10, p. 217-221

https://www.researchgate.net/publication/283654804_Comparison_of_2-and_3-level_half-bridge_DCDC_converters_for_high-voltage_high-power_applications

Cooling methods for high voltage IGBTs

Blinov, Andrei; Vinnikov, Dmitri 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 134-139 : ill

Diagnostics analysis of partial discharge events of the power cables at various voltage levels using ramping behavior analysis method

Mishra, Sambeet; Singh, Praveen Prakash; Kiitam, Ivar; Shafiq, Muhammad; Palu, Ivo; Bordin, Chiara Electric power systems research 2024 / art. 109988 <https://doi.org/10.1016/j.epsr.2023.109988>

Electric vehicle fast charger high voltage input multiport converter topology analysis [Electronic resource]

Jalakas, Tanel; Roasto, Indrek; Vinnikov, Dmitri CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 326-331 : ill [CD-ROM]

Elektriinsener Jüri Laurson: elektromagnetvälja mõjude üle tasub arutleda

Laurson, Jüri maaleht.ee 2023 [Elektriinsener Jüri Laurson: elektromagnetvälja mõjude üle tasub arutleda](#)

Energy-efficient high-voltage switch based on parallel connection of IGBT and IGCT [Electronic resource]

Blinov, Andrei; Vinnikov, Dmitri; Ivakhno, Volodymyr CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 360-364 [CD-ROM]

https://www.researchgate.net/publication/252015928_Energy-efficient_high-voltage_switch_based_on_parallel_connection_of_IGBT_and_IGCT

Esimene ülemaoline kõrgepinge elektrikeskjaam Eestis

Hacker, Gottfried Tallinna Tehnikaülikooli aastaraamat 2006 2007 / lk. 384-388

Feasibility study of cascading of full soft-switching current-fed naturally clamped DC-DC converters

Kosenko, Roman; Chub, Andrii; Blinov, Andrei 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 384-389 : ill <https://doi.org/10.1109/CPE.2016.7544219>

High-voltage frequency converter with multiprocessor control system

Joller, Jüri Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists, Lohusalu, Estonia, June 1-8, 1997 1997 / p. 51-53: ill

Ilmus kõrgepingepaigaldiste standard

Risthein, Endel Elektrala 2002 / 4, lk. 22-23

Impact of voltage instrument transformers on the accuracy of harmonic measurements in a 330 kV transmission grid

Meyer, Jan; Stiegler, Robert; Schegner, Peter; Kilter, Jako Instrument Transformer Measurement Forum (ITMF) : October 13-15, 2015, Feldkirch, Austria 2015

Implementation of snubber circuits in power converters with high-voltage IGBTs

Jalakas, Tanel; Blinov, Andrei; Mölder, Heigo; Lehtla, Tõnu 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 42-45 : ill

Kõrgepinge tehniline komitee on loodud

Oidram, Rein EVS Teataaja 2002 / 11, lk. 6-7

Kõrgepingealane teadustöö Tallinna Polütehnilises Instituudis

Tapupere, Olev Tehnikauuringute areng Eesti NSV-s : vabariikliku konverentsi ettekannete teesid Tallinn, 15.-16. oktoober 1986

Kõrgepingeuringud Tallinna Polütehnilises Instituudis

Tapupere, Olev; Metusala, Tiit Kõrgema tehnilise hariduse ja tehnilise mõtte areng Eestis 1988 / lk. 92-99

Multi-cell DC-DC converter with high step-down voltage ratio [Electronic resource]

Tibola, Gabriel; Duarte, Jorge; **Blinov, Andrei** ECCE 2015 : IEEE Energy Conversion Congress & expo : Montreal, Canada, September 20-24, 2015 2015 / p. 2010-2016 : ill. [USB] <http://dx.doi.org/10.1109/ECCE.2015.7309944>

A new high step-up switched-capacitor/inductor based DC-DC converter

Mashinchi Maher, Hamed; Saadatizadeh, Zahra; Chavoshipour Heris, Pedram; Babaei, Ebrahim; Vinnikov, Dmitri 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 15-17 Nov. 2021 : conference proceedings 2021 / p. 1-5 <https://doi.org/10.1109/RTUCON53541.2021.9711590>

A new transformer-less single switch boost DC-DC converter with lower stress

Mashinchi Maher, Hamed; Mohammadzadeh Shahir, Farzad; Babaei, Ebrahim 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), November 5-7, 2020 2020 / 6 p http://www.conference.rtu.lv/qazcdeTGBmjU/RTUCON2020_paper_101Gq73sO95Kb30.pdf <https://doi.org/10.1109/RTUCON51174.2020.9316470>

Optimal condition monitoring of high voltage circuit breakers

Asefi, Sajjad 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 81-82 : ill https://www.ester.ee/record=b5504019*est

Pinged ja õhkvahekkud kõrgepingepaigaliste standardis EVS-HD 637 S1:2002

Oidram, Rein Elektrala 2002 / 6, lk. 24-25

PV module level DC-DC converters with wide input voltage regulation range - implementation challenges and application benefits

Chub, Andrii 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 25-26 : ill https://www.ester.ee/record=b5183874*est

State of the art and development trends of smart control systems for high voltage DC/DC converters

Roasto, Indrek; Vinnikov, Dmitri; Lehtla, Tõnu 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 36-42 : ill

A three-phase full soft-switching current-fed naturally clamped DC-DC converter for high-power energy storage applications

Chub, Andrii; Kosenko, Roman; Blinov, Andrei 2016 2nd International Conference on Intelligent Energy and Power Systems (IEPS) : Kyiv, Ukraine, June 7-11, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/IEPS.2016.7521884>

Toward automated utility pole condition monitoring : a deep learning approach

Ramlal, Craig J.; Singh, Arvind; Rocke, Sean; **Manninen, Henri; Kilter, Jako; Landsberg, Mart** Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 2020 / p. 255–259 <https://doi.org/10.1109/ISGT-Europe47291.2020.9248797>

Uus kõrgepingelabor Tallinna Tehnikaülikoolis

Inseneeria 2010 / 2, lk. 6 : ill

Variability of high voltage circuit breaker performance parameters for condition monitoring

Asefi, Sajjad; Kiitam, Ivar; Manninen, Henri; Kilter, Jako; Tealane, Marko; Landsberg, Mart International Conference on Condition Monitoring, Diagnosis and Maintenance 2023 - CMDM 2023 (7th edition), Bucharest, Romania, October 31th - November 2nd, 2023 : proceedings 2023 / p. 1-10

Высоковольтный стабилизатор тока

Männama, Vello Проблемы моделирования и измерения в электронике 1986 / c. 63-72