

Fetter, Franz

Progress in the Pulse Control of Direct
Current Traction Motors 6 pp

ELECTRIC, Vol 26, No 6, 1971, pp 223-225

FSTC-HT-23-2354-72

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Mendiola, J.

Study on the damage produced by x-rays on triglycine
sulphate

ELECTRONICA Y FISICA APLICADA, v. 13, 1970, pp. 237-
242

NTC 72-13003-20L
NLL 9022.64 (842)

New Electrical Products, Innovations
Described, 10 pp.
ELECTROTECHNICA, Bucharest, Jun 73, pp 250-
253.
JPRS 60361

Nov 73

Electrona dural batteries technical data. 21 pp.
ELECTRONA S. A. ACCUMULATORENFABRIK, 1971, pp. 1-12
AIR/FTD/HC-23-1723-72

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1-Jul-74
Uncl (UCRL-Trans--1513) Current distribution in
porous electrodes. EULER, J.; NONNENMACHER, W.
Translated by John Newman from Electrochim. Acta; 2:
268-286(1960). 43p. Dep. NTIS \$5.25.

20L physics (solid-state); translations
MN-34 P NSA

Volk, O.

The common and the peculiar phenomena in the inhibition of various processes of a metal electrode (Nickel) I.

ELECTROCHIMICA ACTA, v. 4, p. 251-273, 1961.

NTC 73-10968-07D

Zehender, E.

The effect of separators on the antimony migration
in lead batteries.

ELECTROCHIMICA ACTA, v. 9, p. 55-62, 1964.

NTC 10901-07D

Bode, H.

*The study of nickel hydroxide electrodes. Part 1.
Through nickel(2) hydroxide hydrate.*

ELECTROCHIMICA ACTA, Vol 11, 1966, pp 1079-1087

NTC 73-13384-10C

Kesten, M.

The role of sulphate ions during anodic dissolution and passivation of nickel.

ELECTROCHIMICA ACTA, v. 16, 1971, pp. 763-778

FTC 72-13014-07D

NEL FTC 746-1056

Chlorine Overvoltage on Graphite Electrodes During the
Electrolysis of Molten Chlorides, by P. Drossbach,
23 pp.

ELECTROCHIMICA ACTA, Vol 41, 1969, pp 89-100
NAVY/NISC 3436

June 73

Eugen Dimboiu
Experimental Installation to Improve the
Characteristic of Plane Linear Motors with
Mobile Fields
ELECTROTECHNICA, Vol 19, no 6, 1971,
pp 172-174
FSTC-HT-23-277-72

Oprescu, Teodosia

Technical, Scientific Conferences, 6 pp.
ELECTROTEHNICA, Bucharest, No 10, Oct 73,
pp 408-411.
JPRS 61187

Mar 74

Tanescu, Florin

Achievements of Electrical Engineering Industry

Cited, 7 pp.

ELECTROTEHNICA, Bucharest, No 12, Dec 73,

pp 1415-1452.

JPRS 61864

Jul 74

10 pages

W. Sasakid et al.

Some Experiments Concerning the Impurity-Band
Conduction in Germanium.

ELECTROTECHNICAL LABORATORY, MAGATACHO, TOKYO,
June 15, 1960.

ACSI-K-30-14
FSTC-INT-23-1499-72

Aug 73

The Technical Applications of Low Temperatures
to Metals and Their Alloys, by J. J. de Jong
DUTCH, per, Electro-Techniek, Vol 38, 1960,
pp 355-361.
BISI 6004

Sci-Materials
Feb 69

369,649

DUUREN, H. VAN
//ELECTROTECHNIEK//
--/--/1966, V0014, N----,
The Current Situation in the Electricity-Generating
Industry in Connection with the Campaign against
Air Pollution,
pp 459-465, NTC 74-20084-13B@@

Elshout, A. J.

Physico-chemical aspects of fire-side deposits and
corrosion-part 2: The $\text{Na}_2\text{O}-\text{V}_2\text{O}_5(\text{V}_2\text{O}_4)-\text{SO}_3(\text{SO}_2)$
system
ELECTROTECHNIEK, Vol. 48, pp. 1313-1316 (10 Dec. 1970)
C. E. Trans 5676

VEHICLE ELECTRICAL EQUIPMENT. HANDBOOK

BURDOVSKIY, YU. LANGUAGE-RU COUNTRY-UR

ELEKTROBUDOVANIYE AVTOBIL'NOY. SPRAVOCHNIK

"TRANSPORT", MOSCOW, 1971, PP. 35-36, 46-74 (C
H 3) ONLY

ESTC-HT-23-1692-73

Agency: Nat. Bu. of Standards
P.O.No. 508682

9419/2761
22 Jan. 1975

Title: Les Pompes a Chaleur Theorie Sommaire et Utilisati
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Author: MM de Labbey - Frelin

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Recherches. HS/ML le 29/3/74 HC 312 W 659: Part 1.

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Marotta, G. P.

Reactivity of metal single-, BI- and TRI-Crystals in
various states under controlled electrochemical
conditions. Part 3. Nickel.
ELECTROCHIMICA METALLORUM, Vol 4, 1969, pp 300-312
NTC 73-22078-11F

Elektri stop go to next word
One word titles listed first

Sektorov, V. R.

The present state of planning and erection of large
experimental wind-power stations

ELEKTRICHESTVO, no. 2, 1933, pp. 9-13

NASA TT F 15,512

Shenfer, K. I.

Direct current generation with constant voltage for small
wind-power plants

ELEKTROICHISTVO, vol. 61, 1940, pp. 14-16

MASA TT F-15,307

Shenfer, K. I.

Lines of development of rural wind power plants
ELEKTRICHESSTVO, no. 5, May 1941, pp. 21-22
*NASA TT F 15,513

Sektorov, V. R.

Operating conditions and types of wind-power
electric substations for rural areas

ELEKTRICHESTVO, no. 10, Oct. 1949, pp. 33-37

• NASA TT F 15,517

Sektorov, V. R.

Utilization of Wind Power for Electrification

ELEKTRICHESTVO, vol. 3, 1953, pp. 11-16

WASA TT F-15,307

Novikov, L. Z.

The Theory of Electrostatic Suspension of a
Sphere.

11 pp

ELEKTRICHESTVO, Moscow, No 3, 1967, pp 63-68.
JPRS 59675

Stolov, L. I.

Choice of geometry of the D. C. Fractional H. P.
motor.

ELEKTRICHESTVO, n. 5, p. 50-52, 1968.

NTC 73-11057-09C

D. S. Varshavski

Condenser overload capacities for higher
(harmonic) frequencies

ELEKTRICHESTVO, No. 5, pp. 90-91 (1970)

C. E. Trans. 6194

GOLEKOV, G. E.
//ELEKTROKHEMII//
--/--/1971, V-----, NO003,
The Application of Certain Concepts of the Physics
of Dielectrics to Amorphous Polymers,
IN 72-76, MTC 74-10595-20100

SHENFER, K. I.
//ELEKTRICHESTVO (USSR),//
--/05/1971, V----,N0005,
Lines of development of rural wind power plants,
7 pp
PP 21-22, NASA-TT-F-15513@@

Afremov, I.S.

A thyristor pulse converter with common commutator for D.C. rolling stock.

ELEKTRICHESSTVO, n. 6, 1971, p. 1-7

NTC 72-11582-10B

Discharging of Inductive Power Accumulator for
Generating Short-Front Pulse, by V. N. Bol'shakov,
13 pp.
RUSSIAN, per, Elektrichestvo, Moscow, No 1, 1972,
pp 56-60.
JPRS 58892

May 73

Il'in, V. D.

*Comparing algorithms for load distribution with the
consideration of changes in the state of a power
system when solving a problem.*

ELEKTRICHESTVO, No 9, 1972, pp 7-10

FTD-HS-23-492-73

may 73

Kaplan, D. A.

Electrical characteristics of transformers oil-barrier
insulation subjected to a direct voltage

ELEKTRICHESSTVO, n. 2, 1972, pp. 45-49

HTC 73-13043-09C

Kuznetsova, L. E.

Air insulation on extra high voltage lines (some
results and trends of future investigations

ELEKTROKHESTVO, n. 10, 1972, pp. 13-16

NTG 73-13044-000

Imelyanov, N. P. et al

Possibilities of Reducing the losses in 220-750 kV
Transmission Lines by regulating the Operating
Voltage, taking into Account the Effect of Corona
ELEKTRICHESTVO, vol. 93, no. 11, Nov. 1972, pp. 1-6
C. E. Trans-6265

UNKNOWN
//ELEKTRICHESTVO//
--/--/1973, V-----, N-----,
Electric Technology USSR,
C/C translation being done by Pergamon Press Ltd.
and supplied approx. 12 months after Russian
Journal is published. Per 10 May 1974 letter@@
A Quarterly

REQ TR CHECK

10-07-73

T011

NEW METHODS OF OBTAINING ELECTRICAL ENERGY
LIDORENKO, N.S.

UR: ELEKTRICHESSTVO, NO. 1, 1973, pp. 1-5

c/c Pergamon Press

Proven in an

11574-25-0011

REQ TR CHECK

30-11-73

TB54

POWER CHARACTERISTICS OF A SYNCHRONOUS SHOCK
GENERATOR UNDER ACTIVE LOADING
SIPAYLOV, G.A.; LOOS, A.v:
UR: ELEKTRICHESTVO, No. 4, 1973, pp. 78-80

*c/c ~~Sten~~ - press
fragments*
On Pavel's an
FTD-HT 23-1152-74
#3, 1973

Burgsdorf, V. V. et al.

Investigating the voltage at which corona occurs in
HV structures with semiconducting coatings

ELEKTRICHESTVO, vol. 94, no. 5, 1973, pp. 56-58

C. E. TRANS. 6401

REQ TR CHECK

30-11-73

TB56

INVESTIGATION OF THE STATOR FIELD OF A ROD-
TYPE ELECTROSTATIC GENERATOR

GUK, I.P.; PATSEVICH, V.V.

UR: ELEKTRICHESTVO, NO. 5, 1973, pp. 59-62

*C/c P. P. P. P. P.**P. P. P. P. P.**In Process on**FTD-HT-23-1154-74**#3, 1973*

REQ TR CHECK

7-08-73

T206

VOLT-SECOND CHARACTERISTICS OF ELECTRICAL
GAPS IN FLEGAS

BORIN, V.N.

UR: ELEKTRICHESTVO, NO. 5, 1973, pp. 62-67

C/c Plasma Phys

Process in as

11574-23-0206

REQ TR CHECK

7-08-73

T207

INVESTIGATION OF THE ELECTRICAL INSULATION
AND THERMAL CHARACTERISTICS OF HIGH VOLTAGE
BORTNIK, I.M.; BORISOGLEBSKIY, V.P.
UR: ELEKTRICHESTVO, NO. 5, 1973, pp. 71-75
ek Plenum Press

Process in air

H574-23-0207

BURUKHIN, G.N.

//ELEKTRICHESTVO//

--/08/1973, V-----, N0008,

An investigation of the processes in super-
excitation of a synchronous generator with a
brushless excitation system, 14 pp.

pp 26-30, AIR/FTD-HT-23-1151-74

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REFERRED TO FTD##

BERTINOV, A. I.

//ELEKTRICHESTVO//

--/07/1973, V----, N----,

Calculating main dimensions of a magnetoelectric
generator operating on a pulsed load, 11 pp.
pp 42-46, AIR/PTD-HT-23-1156-74

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COPYRIGHT INFORMATION, OTHER REQUEST MUST BE
REFERRED TO FTD##

Stahn, A.

The Selection of Ultrahigh-speed Fuses for
Protecting Thyristors.
ELEKTRIE, No. 3, 1968, pp.108-110.

FSTC-HT-23-1562-71

5

Burkhard, G

The relationship between the initial dwell and travel
of switching arcs and their cathode mechanism
ELEKTRE, Vol 24, No 1, pp. 1-4 (Jan. 1970)
C.E. Trans 6108

Kaiser, M. et al.

Using an EDP Installation in the Planning of Power
Supply Systems for Industry
ELEKTURIE, vol. 26, no. 7, July, 1972, pp. 188-190
C. E. Trans-6120

Steenbeck, Max

Energy Development Policies Discussed, 5 pp.
ELEKTRIE, East Berlin, No 1, 1974, pp 6-7.
JPRS 61468

Apr 74

INDEX, NUMBER-11111
/111111111/
--110.1111, 110028, 110010, pp 0100-0510
Developments in Electronic Industry Sketches
6 pp
JPRS 62015

Meyer, G. W.

Developments in utilization of wind power 1488
ELEKTIZITÄTSVERWERTUNG, vol. 16, no. 6/7, Sept.-Oct.
1947/48, pp. 109-113
NASA TT F-15,346

R. ALLEMANN

Dimensioning of Electric Central Heating Systems
With Particular Reference to Daytime Boost.
ELEKTRIZITAETSWERTUNG, Vol 46, No 7,
pp 185-189, 1971.
NTC 73-10255-13A

Mar 73

Elanc, P.

Hot water central heating systems based on
storage radiators.

ELEKTRIZITÄTSVERBUNDUNG, Vol. 46, 1971,
p. 221-226

NTC 75-11967-10A

Mueller, K.

new appliances for electric water heating.
ELEKTRIZITÄTSVERWERTUNG, Vol. 46, 1971,
p. 289-292
NTC 73-11596-09C

Stein, D.

Wind-power in rural districts of U. S. S. R.
ELEKTRIZITATSWIRTSCHAFT, vol. 40, Feb. 1941, pp. 54-56
NASA TT F-15,345

Stein, D.

Developments in the utilization of wind power in
Denmark

ELEKTROIZITATSWIRTSCHAFT, vol. 41, 15th, 20th, 5th,
Aug.-Sept. 1942, pp. 346-349

WASA TT F-15,333

Stein, D.

Developments in the utilization of wind power in
Denmark

ELEKTREZITATSWIRTSCHAFT, vol. 41, Aug. 20, 1942,
pp. 370-374

WASA TT F-15, 349

Stein, D.

Developments in the utilization of wind power in
Denmark

ELEKTIZITATSWIRTSCHAFT, vol. 41, Sept. 5, 1942,
pp. 300-302

NASA TT F-15,353

Rogge, E.

New wind power station

ELEKTIZITÄTSWIRTSCHAFT, vol. 42, no. 14, Nov. 5, 1943

pp. 358-363

*NASA TT F-15,332

Stein, Von. Dimitri R.

Statistics of the power production of wind power
plant and their evaluation *23 pp*
ELEKTIZITATSWIRTSCHAFT, vol. 50, no. 10, Oct. 1951,
pp. 279-285
NASA TT F 15,651

Stein, Von Dimitri R.

Statistics of the power production of wind power plant
and their evaluation II. 16 pp.

ELEKTIZITATSWIRTSCHAFT, vol. 50, no. 10, Nov.
1951, pp. 325-329

(NASA TT F

15,652

Pigge, H.

Annual availability and speed characteristics of the
wind for wind power utilization

ELEKTRIZITÄTSWIRTSCHAFT, vol. 54, no. 20, Oct. 1955,

pp. 704-709

NTAS T-15, 354

Christaller, H.

Utilization of Wind Power
ELEKTRIZITATSWIRTSCHAFT, vol. 50, no. 11, Nov. 1951,
pp. 320-322
NASA TT F-15,300

Mackenthun, Werner

The Neuwerk Wind-Power Plant

ELEKTRIZITATSWIRTSCHAFT, vol. 50, no. 1, November 1951,

pp. 322-25

†NASA TT F-15,306

Hermann, C.

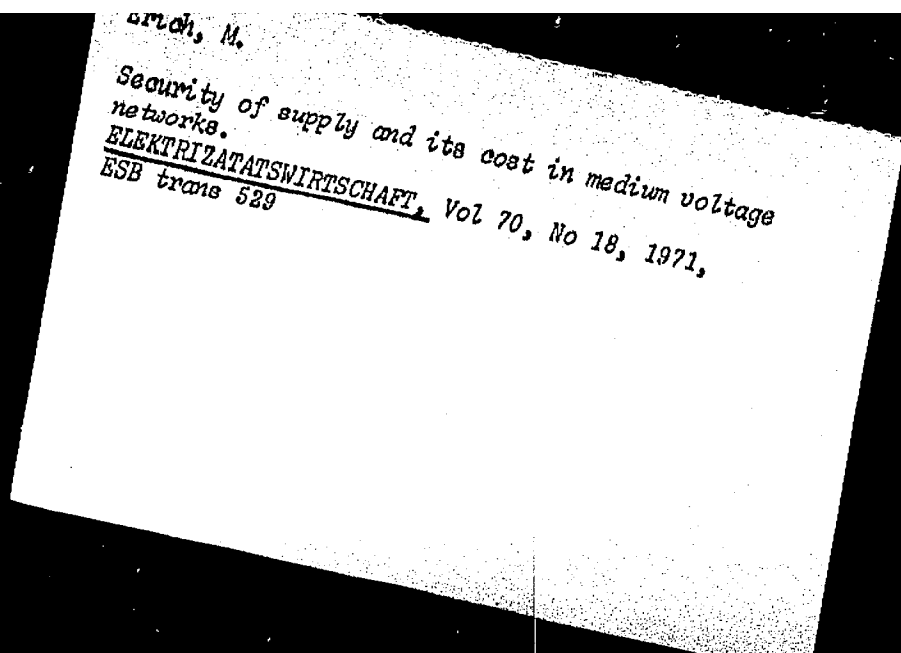
Completely Metalclad 220-kV Switchgear (SF₆) at
Mannheim Power Station
ELEKTRIZITÄTSWIRTSCHAFT, v. 70, n. 15, 1971, pp.

434-435

NIC 73-12405-09C
NLL 9022.00 (5898)

Oehms, K. J.

State of the art and prospects for electric vehicles.
ELEKTRIZITATSWIRTSCHAFT, Vol 70, 16 Aug 1971, pp 511-516
O.A. trans 1250



Grich, R.

Security of power supply and associated costs
for intermediate voltage networks.

ELEKTRIZITÄTSWIRTSCHAFT, Vol. 70, 1971,

p. 525-522

NTC 73-11598-090

Boass, A.

Analysis and short-term forecasting of consumption and demand in a regional supply undertaking
ELEKTRIZITAETSWIRTSCHAFT, Vol. 70, 1971,
p. 552-560
NTC 72-11597-02C

Soldner, K.

A New Gas Analyser for the Buchholz Relays
of Transformers

ELEKTRIZITATSWIRTSCHAFT, Vol 70, No 22, Oct 1971
pp 638-643

C.E. Trans 5969

Schulte, G.

Problems in the evaluation of costs incurred due
to electricity supply failures.

ELEKTRIZITAETSWIRTSCHAFT, v. 70, p. 656-661, 1971.

NTC 73-11027-09C

Kreuzberg, J.

Load Diagrams and their Development Trends - an
Indicator for Su'ply Undertaking Management
ELEKTRIZITAETSWIRTSCHAFT, v. 70, n. 25, 1971,

pp. 709-718

NTC 73-12407-09C

NLL 6196.3 (766)

Budde, H. -J.

Basic Consideration concerning pricing Structure for
providing ESU Customers with Supplementary, Parallel
and Standby Supplies

ELEKTRIZITÄTSWIRTSCHAFT, v. 71, n. 1, 1972, pp. 3-12

NTC 73-12406-09C

NLL 6196.3 (774)

Kumpf, D.

Experience with a high Frequency Earth Testing
Instrument

ELEKTROTECHNISCHES, v. 71, n. 2, 1972, pp.
10-50

HTC 73-12410-000

NEL 3910 07 (h00)

PROINHOIZER, J.

//ELEKTREIZITALETSWIRTSCHAFT//

--/--/1972, V0071, N----

Informative Trip of the Ice-Expert Team for
Power Stations Through Greece,

PP 70-76, MTC 74-11326-00032

ESB 519

Miles, II.

Work on live overhead lines.

ELEKTRIZITAETSWIRTSCHAFT, v. 71, n. 4, p. 100-105,
1972.

NTC 73-11028-09C

G. Heinrich

Application of Small Computers with Modular Peripherals
(CAMAC) in Power System Operation.

ELEKTRIZITATSWIRTSCHAFT, Vol. 71, pp 313-316, 23 May 72.
BPA trans 29437

apr 73

HEHNIG, T.
//ELEKTRIZIFIZIERUNG//
--/--/1972, V0071, H----,
Experience with Rapid Cooling in Large Steam Turbines,
PP 704-708, MEC 74-11385-13880

MEINEMAYER, P.
//ELEKTRIZITÄTSWIRTSCHAFT//
--/--/1972, V0071, N----,
Actual Experience with an Electronic Voltage Stabil-
ization Installation in the Power Distribution
System,
RP 489-406, NTC 74-11387-00088

LIPSEN, H.
//ELEKTRIZITÄTSWIRTSCHAFT//
--/--/1972, V0071, B0022,
Economic System Types for Municipal 10 kV and
110 kV Networks,
RF 605-635, NTC 74-11173-09060
O. A. 846

WANSER, G.
//ELEKTRIZITÄTSWIRTSCHAFT//
--/--/1972, V0071, N-----,
Cable 1972--Cable Topics at the International High
Voltage Conference,
PP 771-777, NFO 74-11324-00000
C.E. 6233

Grossee-Plankermann, G.

Load-carrying capacity and overload capacity of
Polyolefin insulated 110 kV cables.

ELEKTRIZITATSWIRTSCHAFT, Vol 72, No 10, 1972, pp 323-327

ESB trans 530

Boag, E.

Ring-main transformer substations with electronic over-current time protection.

ELEKTRIZITATSWIRTSCHAFT, Vol 72, No 4, 19 Feb 1973,

pp 88-92

O. A. trans 865

Deml, H.

Protection of power transformers against corrosion.

ELEKTRIZATSWIRTSCHAFT, Vol 72, No 8, 1973, pp 206-215

C.E. trans 6338

STOY, B.

//ELEKTRIZITÄTSWIRTSCHAFT//

--/--/1973, V0072, N0015,

Synopsis. Rational Use of Energy-Why, Where
and How?

pp 497-506, WFC 74-10594-09000

O. A. Trans 880

Dotzenrath, W.

*Medium-term prospects for all-electric supply, taking
market conditions into account*

ELEKTRIZITATSWIRTSCHAFT, vol. 72, no. 14, 1973,

pp. 473-480

O. A. Trans 888

SOMMER, W.
//ELEKTRIZITÄTSWIRTSCHAFT//
--/--/1973, V0072, N0018,
Electricity Supply Undertakings and Protection
of the Environment,
PP 581-586, NTC 74-10511-10B@@
6PA Trans. 32184

Stolte, E.

*Experience with the all-electric supply to the new
town of Wulfen*

ELEKTRIZITÄTSWIRTSCHAFT, vol. 72, no. 17, 1973,

pp. 614-619

O. A. Trans. 887

Cwienk, G.

Data acquisition on load flows in distribution networks with centrally controlled (ripple control) storage heaters

ELEKTRIZITATSWIRTSCHAFT, vol. 72, no. 19, 1973,

pp. 666-675

O. A. Trans. 891

HESSE. G. et al
//ELEKTRIZITATSWIRTSCHAFT, //
29/10/1973, V072, N0022,
The construction and function of central load
despatching station at the hanover braun-
chweigische stromversorgungs-ag in hanover,
pp 764-769, C. E. TRANS 898@@

Kaufmann, W.

Experiences with a plug connector for electricity meters
ELEKTRIZITATSWIRTSCHAFT, vol. 72, no. 25, 1973,

pp. 853-856

O. A. Trans. 899

REQ TR CHECK

12-03-74

TK56

ELECTRICAL ACTIVITY OF MAN'S BRAIN IN THE
PROCESS OF MOTOR ACTIVITY
SOLOGUB, YE.B.
UR: ELEKTRICHESKAYA AKTIVNOST' MOZGA
CHELOVEKA V PROTSESSE DVIGATEL'NOY
DEYATEL'NOSTI, 1973, pp. 1-246

On Process as
FTD-HC-23-2045-74

Electric and Acoustic Fields of Fishes.

277 pp

ELEKTRICHESKIYE I AKUSTICHESKIYE POLYA RYB.

Moscow, 1972, 232 pp.

JPRS 59853

Buckel, R.

Damping harmonics in a 50 Hz railway overhead contact system using an RC component.

ELEKTRISCHE BAHNEN, Vol 30, No 8, Aug 1959, pp 173-178

C. E. Trans 5928