

Elektrichestvo, 7, 80-88, J1 1955

AID P - 3027

Card 2/2 Pub. 27 - 14/33

Institution : State Union Trust "Elektroprivod".

Submitted : My 9, 1955

Subject : USSR/Electricity AID P - 4117

Card 1/2 Pub. 27 - 4/33

Authors : Birfel'd, A. G., Eng., Ye. I. Gnilyosyrov, Kand. Tech. Sci., O. V. Slezhanovskiy, Kand. Tech. Sci., and N. A. Tishchenko, Eng.

Title : Complex automation of bloomerries.

Periodical : Elektrichestvo, 12, 9-18, D 1955

Abstract : The authors describe automation systems developed by the Central Design Bureau of the plant "Elektroprivod" and operating since April 1954. They demonstrate that complex automation can be efficiently accomplished only on a modern mechanized unit. They describe the automation and modernization of the 1100 type bloomery and give details of the automation of the separate parts of the set. One table, 12 detailed connection diagrams, charts and oscillograms.

Elektrichestvo, 12, 9-18, D 1955

AID P - 4117

Card 2/2 Pub. 27 - 4/33

Institution : Central Design Bureau of the Plant "Elektroprivod"
 of the Ministry of the Electrical Industry.

Submitted : S 12, 1955

IVANOV, K.I., inzhener; KRASNIKOV, Yu.D., inzhener; TISHCHENKO, N.A., inzhener.

Invent new methods for mechanized coal mining. Mekh.trud.rab. 11
no.5:31-32 My '57. (MIRA 10:7)

(Coal mining machinery)

UVANOV, K.I.; KRASNIKOV, Yu.D.; TISHCHENKO, N.A.; VOYTENKO, I.S., gornyy inzhener.

New mining methods; parts 7 and 8. Ugol' 32 no.7:22-25 J1 '57.
(MIRA 10:7)

1. Vsesoyuznyy Ugol'nyy institut (for Ivanov, Krasnikov, Tishchenko).
(Coal mines and mining)

TISHCHENKO, N.A., inzh.; TULIN, V.S., inzh.

Development of electric drives during the past 40 years in the
Soviet Union. Elektrichestvo no.11:16-24 N '57. (MIRA 10:10)

1.TSentral'noye konstruktorskoye byuro "Elektroprivod" (for Ti-
shchenko). 2.Gosplan SSSR (for Tulin).
(Electric driving)

TISHCHENKO, N.A., inzh.; ZAMYATIN, I.S., inzh.

Mining with high-speed coal plows. Ugol' Ukr. 3 no.9:16-19
S '59. (MIRA 13:2)
(Mining engineering) (Coal mining machinery)

CHILIKIN, M.G.; TSELIKOV, A.I.; GOLOVAN, A.T.; PETROV, I.I.; BYCHKOV, V.P.;
SOKOLOV, M.M.; DRUZHININ, N.N.; VESHENEVSKIY, S.N.; KHALIZEV, G.P.;
TISHCHENKO, N.A.

D.P. Morozov; obituary. Elektrichestvo no.5:93 My '63.

(MIRA 16:7)

(Morozov, Dmitrii Petrovich,)

TISHCHENKO, N.A., inzh. (Moskva)

Problem concerning the reliability of electric motors. Elektr. motory
no.11:85-88 N '64. (MIRA 18:10)

L 10096-66

ACC NR: AP6004977

SOURCE CODE: UR/0105/65/000/003/0090/0090

AUTHOR: Aleksenko, G. V.; Borisenko, N. I.; Voronetskiy, B. B.; Gladilin, L. V.;
Druzhinin, M. N.; Petrov, I. I.; Syromyatnikov, I. A.; Tishchenko, N. A.;
Chernichkin, D. S.; Chilikin, M. G.

ORG: none

TITLE: Professor Vyacheslav Semenovich Tulin on his 60th birthday

SOURCE: Elektrichestvo, no. 3, 1965, 90

TOPIC TAGS: mechanical engineering personnel, electric engineering personnel

ABSTRACT: Professor V. S. TULIN was born in November 1904 and graduated from the Kharkov Engineering Institute in 1925. He has since then specialized in the application of electric drives for the mining industry, in low-voltage apparatus and more recently in automation. At the present time he is the chairman of the Department of Automation and Control Machinery at the Moscow Institute of Radio-Electronics and Mining Electromechanics. He has made major contributions in his field: he is the author of 80 published works including a textbook on the automation of production processes in the mining industry; he also received an award in 1948 in connection with the Donets Basin development. He now participates in ministerial councils and committees concerned with scientific-research work, industrial coordination, also secondary and higher education. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: none

Card 1/1 HW

UDC: 621.34:65.011.56

ALEKSANDROV, N.N.; PODDUBNAYA, T.T.; TISHCHENKO, N.A.

Scientific and Practical Conference of Oncologists of White
Russia. Vop onk. 8 no. 10:119-121 '62. (MIRA 17:7)

TISHCHENKO, N.A., inzh.

Dynamic stability of d.c. rolling mill motors. Elektrichestvo
no.9:1-9 S '63. (MIRA 16:10)

1. TSentral'noye konstruktorskoye byuro "Elektroprivod".

KONTOROVICH, V.M.; TISHCHENKO, N.A.

Transformation of acoustical and electromagnetic waves at the
boundary of an elastic conductor in a magnetic field. Izv.
vys. ucheb. zav.; radiofiz. 6 no.1:24-35 '63. (MIRA 16:7)

1. Institut radiofiziki i elektroniki AN UkrSSR i Khar'kovskiy
pedagogicheskiy institut.
(Electromagnetic waves) (Magnetic fields) (Electronics)

TISHCHENKO, N.A., inzh.

Use of coal planers for mining Donets Basin mines. Ugol' 37
no.11:35-38 N '62. (MIRA 15:10)

1. Institut gornogo dela im. A.A.Skochinskogo.
(Donets Basin--Coal mining machinery)

TISHCHENKO, N. A., inzh.

Advantages of narrow-range coal mining over wide-range and its
area of use. Mekh. i avtom. v gornoi prom. no.2:21-41 '62.
(MIRA 16:1)

(Coal mines and mining)

ALEKSANDROV, N.; PODDUBNAYA, T.; TISHCHENKO, N.

White Russian Republic Scientific and Practical Conference of
Oncologists. Zdrav. Bel. 8 no.4:63-65 Ap '62. (MIRA 15:6)
(ONCOLOGY--CONGRESSES)

ALEKSANDROV, V.S., inzh.; VORONETSKIY, B.B., kand.tekhn.nauk;
PORTNOY, T.Z., inzh.; TISHCHENKO, N.A., inzh.

Present-day work in the field of automatically controlled electric
driving. Vest. elektroprom. 32 no.10:7-12 0 '61. (MIRA 14:9)
(Electric driving)

TISHCHENKO, N.A., aspirant

Anatomical structure of the fascial sheaths of the neck and their interrelation with vessels and nerves. Sbor. nauch. trud. GIDUV no. 14:191-199 '58. (MIRA 13:10)

1. Iz kafedry operativnoy khirurgii (zav. prof. A.P. Nadein) i kafedry onkologii Gosudarstvennogo instituta dlya usovershenstvovaniya vrachey (zav. prof. A.I. Rakov). (FASCIAE (ANATOMY)) (NECK)

S/196/62/000/006/011/018
E194/E154

AUTHORS: Aleksandrov, V.S., Voronetskiy, B.B., Portnoy, T.Z.,
and Tishchenko, N.A.

TITLE: The present state of development of automated
electric drives

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika,
no.6, 1962, 1, abstract 6 Kl. (Vestn. elektroprom-
sti, no.10, 1961, 7-12).

TEXT: Diagrams are given which show the relative number of
drives in various branches of the national economy of the USSR
and expected developments are described. New single-armature
rolling mill motors are being developed with outputs of
10000-12000 h.p. with high maximum output and good dynamic
characteristics. Mercury-arc rectifiers are at present the main
type of controlled rectifiers for industrial drive. It is
proposed to manufacture sealed single-anode, grid-controlled
mercury-arc rectifiers for anode currents of 250-350 and 500 A,
including rectifiers with series connected valves and also
modernised pumped mercury-arc rectifiers for currents up to
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1000 A per anode. New static control systems for drives types YM17(UMP) and YM311 (UNZP) with outputs up to 30 kW based on magnetic amplifiers have been developed and introduced. Amplifiers of up to 80 kVA per unit have been developed. A number of new designs of automatic electric power generating sets of packaged design have been developed and investigations are being made on industrial prototype computer-controllers for automatic drives. Static systems with magnetic amplifiers have been used in the development of various drive control systems for metallurgy, mining, machine tool manufacture, paper machines, and power station auxiliaries. An automatically controlled drive has been developed in the metallurgical industry for a new automatic conveyor for charging the furnace. Automatic control has been provided for air heaters, casting machines, the furnace-top loading system and wagon weighing machines. Ionic rectifiers with a total current of about 1 million amps have been provided for non-reversing rolling mills. An ionic drive is being introduced for reversing rolling mills including the main drives of blooming and slabbing mills. Excavators

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types 3401-4 (EKG-4) have been modernised by utilizing for the main drive d.c. generators controlled by power magnetic amplifiers, which have replaced three-winding generators and increased the output of the excavators. Direct current automatic drives have been provided for diesel-electric installations type 11A3 (11DE) and have increased the output of mine winding operations by a factor of 2-2.5 as compared with other installations. Ionic rectifiers have begun to be used for mine winders; industrial prototypes have been developed and constructed for high speed reversing equipment used in conjunction with ionic drives of multi-rope winders. For machine tools there have been developed a series of d.c. drives supplied from power magnetic amplifiers of 0.6-8 kW output. Ferro-transistor programmed digital computer control of machine tools has been developed using step-by-step motors and hydraulic amplifiers. A d.c. main drive system using silicon rectifiers of 50-100 kW has been developed and partially introduced in which the rotor speed is controlled by the field flux. An automatic drive system with continuous programme control has been developed for

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standard heavy horizontal milling machines, boring mills, and lathes. A number of heavy machine tools are provided with controlled ionic drives. A multi-motor drive with multi-generator supply system and contactless tachogenerators has been developed for paper machines, and has successfully passed industrial tests. An electrical drive system has been developed for a number of dry cargo ships, river icebreakers, and tugs. Future developments in drives are indicated.

[Abstractor's note: Complete translation.]

Card 4/4

BOGDANOV, A.A.; TISHCHENKO, N.A.; SHTURMAN, L.I.

Review of K.N. Kulizade's book "Electric equipment in petroleum production." Elektrichestvo no. 12:87-88 D '60. (MIRA 14:1)
(Oil fields—Electric equipment)

TISHCHENKO, N.A., inzh.

Discussion on coal mining with wide and narrow workings; advantages of narrow workings as compared to wide workings. Ugol' 36 no.2:1-3 F '61. (MIRA 14:2)

1. Institut gornogo dela AN SSSR.
(Coal mines and minin)

ERAZER, C.F.; VALGEN, K.H.; TECHNICAL, K.H.; DUFF LID, A.G.

Manipulator for reduction rolling mills. Dial. TECHNICAL
no.5:47 '67. (MIRA 14:10)
(Rolling mills--Equipment and supplies)

1. Problem concerning the reliability of electric motors.

no.11:7-14 N 'el. (MIRA 14:11)

1. Tsentral'noye konstruktorskoye byuro "Elektroprivod" Vsesoyuznogo nauchno-issledovatel'skogo instituta elektromekhaniki.
(Electric motors)

TISHCHENKO, N.A., inzh. (Moskva)

Concerning the problem of reliability of electric motors. Elek-
trichestvo no.12:16-19 D '61. (MIRA 14:12)
(Electric motors)

RATOBYL'SKIY, A.A.; TISHCHENKO, N.A.

Two malignant tumors in different organs of a patient. Zdrav.
Belor. 6 no.4:61-62 Ap '60. (MIRA 14:5)

1. Iz kafedry urologii (zaveduyushchiy - doktor meditsinskikh nauk
A.I.Mikhel'son) i kafedry khirurgii (zaveduyushchiy - professor
A.M.Boldin) Belorusskogo instituta usovershenstvovaniya vrachey.
(PROSTATE GLAND--CANCER) (STOMACH--CANCER)

Cand.
TISHCHENKO, N. A.: Master Med Sci (diss) -- "Radical operation to remove the regional lymph nodes in cancer of the lower jaw". Leningrad, 1958. 17 pp (Leningrad State Order of Lenin Inst for the Advanced Training of Physicians in S. M. Kirov), 200 copies (KL, No 1, 1959, 124)

KULSHAKIN, V.S.; IARIONOV, A.N.; CHILIKIN, M.G.; GOLOVAN, A.T.;
MONOZOV, D.P.; KIRBATOVA, N.S.; KORITSKIY, A.V.; VESNIENEVSKIY,
B.N.; TISHCHENKO, N.A.; TULIN, V.S.

Doctor of Technical Sciences I.I. Petrov. Elektrichestvo no.12:
83 D '57. (MIRA 10:12)
(Petrov, Ivan Ivanovich, 1907-)

PANOV, Andrey Dmitriyevich, kand. tekhn. nauk,; TISHCHENKO, Nikolay Andreyevich,; ZAMYATNIN, Ivan Stepanovich,; SHAVRINA, Raisa Fedorovna,; PAVLYUCHENKO, Dmitriy Nikolayevich,; GRIGOR'YEV, Vladimir Leonidovich,; pri uchastii: Adamidze, D.I.; Krasnikova, Yu. D.; Cherkasheninova, V.I.; Chukayevoy, Ye. V. ; SOSNOV, V.D., otv. red.; RATNIKOVA, A.P., red. izd-va,; PROZOROVSKAYA, V.L., tekhn. red.

[Narrow-gauge mining of coal in thin and medium seams] Uzkozhvatnaya vyemka uгля na plastakh tonkikh i srednei moshchnosti. Moskva, Ugletekhizdat, 1958. 321 p. (MIRA 11:12)

(Coal mines and mining)

BRON, G.B.; BEL'KIND, I.D.; SHUTOVSKY, G.I.; KAMENEVA, V.A.; BERGER, A.Y.;
CHERNICHKIN, D.S.; TISHCHENKO, M.A.; BORISKO, M.I.; BERTINOV,
A.I.; SINEL'NIKOV, Ye.M.

Pavel Petrovich Kopniaev; 25th anniversary of his death, Elektrichestvo no.5.92 My '57. (MIRA 1957)
(Kopniaev, Pavel Petrovich, 1867-1911)

RENSKIY, Anatoliy Borisovich, kand. tekhn. nauk; TISENKO, N.G.,
red.

[Strain gauges for repeated use with an elastic metal
element; verbatim record of a report delivered at the
Leningrad House of Scientific and Technical Information
in November 1963] Tenzodatchiki mnogokratnogo ispol'zova-
niia s metallicheskim uprugim elementom; stenogramma dokla-
da, pročitannogo v LDNTP v noiabre 1963. g. Leningrad,
1964. 12 p. (MIRA 17:7)

IZOTOVA, M.A., ; LEPIKHOVA, M.F., inzh.; KHOKHLOVA, N.D., inzh.;
CHERKASHINA, M.F., spets. red.; VOLKOVA, S.N., otv. za izdaniye;
TISHCHENKO, N.I., red.; KHARITONOVA, L.I., tekhn. red.

[Typical methods of sewing light women's and children's custom-made dresses] Tipovye metody poshivki legkogo zhenskogo i detskogo plat'ia po individual'nym zakazam. 2., dop. i perer. izd. Moskva, Gosmestpromizdat, 1961. 237 p.
(MIRA 15:7)

1. Moscow. Tsentral'naya opytno-tekhnicheskaya shveynaya laboratoriya. 2. Tsentral'naya opytno-tekhnicheskaya shveynaya laboratoriya Gosudarstvennogo komiteta Soveta Ministrov RSFSR po delam mestnoy promyshlennosti i khudozhestvennykh promyslov (for Lepikhova, Khokhlova). 3. Glavnyy inzhener Tsentral'noy opytno-tekhnicheskoy shveynoy laboratorii Gosudarstvennogo komiteta Soveta Ministrov RSFSR po delam mestnoy promyshlennosti i khudozhestvennykh promyslov (for Izotova).

(Clothing industry)

TISHCHENKO, N.I., inzh. (Khar'kov)

Rheostatic testing of TE3 diesel locomotives. Elak. i topl. tiaga
2 no.10:37-39 0 '58. (MIRA 11:11)
(Diesel locomotives--Testing)

POLYAKOVA, V.I.; KUZNETSOVA, I.B.; TATEVOS'YAN, G.O., nauchnyy red.;
TISHCHENKO, N.I., red.; TRUSOV, N.S., tekhn. red.

[Manufacture of toys from plastics]Proizvodstvo igrushek iz
plasticheskikh mass. Leningrad, Gosmestpromizdat, 1962. 318 p.
(MIRA 16:2)

(Plastics) (Toys)

TISHCHENKO, N.I., inzh.

Rheostat testing of the TE3 diesel locomotive. Elek. i topl.
tiaga 2 no.9:32-35 S '58. (MIRA 11:10)
(Diesel locomotives--Electric equipment--Testing)

TERTYCHKO, Nikolay Alekseyevich; TYRICHEV, Al'bert Georgiyevich;
TISHCHENKO, Nikolay Ivanovich; KESAREV, A.P., inzh., retsenzent;
VUL'F, V.V., inzh., red.; KHITROV, P.A., tekhn.red.

[Inspection and adjustment operations in the repair of diesel locomotives] Proverki i regulirovki pri remonte teplovozov.
Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniya, 1960. 291 p. (MIRA 14:4)
(Diesel locomotives--Maintenance and repair)

KORNEYEVA, Lyudmila Leonidovna; TISHCHENKO, N.I., red.; ZAYTSEVA, L.A.,
tekhn. red.

[Keyboard calculating machines and their use in small enterprises]
Schotno-klavishnye mashiny i ikh primeneniye na nebol'shikh pred-
priyatiyakh. Moskva, Gos. izd-vo mestnoi promyshl. i knudozh. promy-
slov RSFSR, 1961. 102 p. (MIRA 14:10)
(Calculating machines)

TISHCHENKO, Nikolay Mikhaylovich; KIRSHNIKOV, P.I., red.

[Stability of magnetic amplifiers] Stabil'nost' magnitnykh usilitелей. Moskva, Energiia, 1964. 319 p.

(MIRA 17:10)

S/535/61/000/139/009/009
E140/E435

AUTHOR: Tishchenko, N.M., Candidate of Technical Sciences
TITLE: Method for temperature stabilization of magnetic amplifiers
SOURCE: Moscow. Aviatsionnyy institut. Trudy. no.139. 1961.
Voprosy avtomaticheskogo regulirovaniya
dvizhushchikhsya ob"yektov. 142-151

TEXT: Temperature variation of magnetic amplifier characteristics consists of two components, a parallel displacement of the volt-ampere input-output characteristics and a change in the slope (gain) of the latter. These variations can be corrected using a temperature sensitive resistance (thermistor) and a special winding such that ampere turns are introduced to compensate the equivalent ampere turns due to the shift of the characteristic. Used as a simple load, this corrects for the parallel displacement; used in a feedback loop, this corrects for gain variations. L.S.Bessonov and S.G.Bergshteyn are mentioned in the paper. There are 10 figures, 1 table and 9 references: 7 Soviet-bloc and 2 non-Soviet-bloc. ✓

Card 1/1

TURKULETS, Vladimir Illarionovich; UDALOV, Nikolay Petrovich;
TISHCHENKO, N.M., red.; FRIDKIN, L.M., tekhn. red.

[Photodiodes and phototriodes] Fotodiody i fototriody. Moskva, Gosenergoizdat, 1962. 62 p. (Biblioteka po avtomatike, no. 64) (MIRA 16:1)
(Photoelectric cells) (Electron tubes)

TISHCHENKO, N.M.

Approximate analytic expressions for the characteristics of chokf-coupled magnetic amplifiers qithout feedback. Avtom.i telem. 15
no.2:141-154 Mr-Ap '54. (MLRA 10:3)
(Magnetic amplifiers)

AGEYKIN, Dmitriy Ivanovich, prepodavatel'; BALASHOV, Mikhail Aleksandrovich, prepodavatel'; KOLOSOV, Sergey Petrovich, prepodavatel'; NEPEDOVA, Valentina Ivanovna, prepodavatel'; RESHETNIKOV, Yevgeniy Mikhaylovich, prepodavatel'; SOKOLOV, Nikolay Ivanovich, prepodavatel'; STROMILOV, Vasilii Mikhaylovich, prepodavatel'; TISHCHENKO, Nikolay Mikhaylovich, prepodavatel'; UDALOV, Nikolay Petrovich, prepodavatel'; PETROV, B.N., prof., red.; ISTRATOV, V.N., kand.tekhn.nauk, dotsent, red.; SHEKHTMAN, E.A., izdat.red.; ROZHIN, V.P., tekhn.red.

[Manual for designing elements and systems of automatic control; a textbook for a course in designing] Rukovodstvo po proektirovaniu elementov i sistem avtomatiki; posobie po kursovomu proektirovaniu. Pod red. B.N.Petrova. Moskva, Gos.izd-vo obor.promyshl. Pt.2. 1959. 247 p. (MIRA 12:6)

1. Chlen-korrespondent AN SSSR (for Petrov). 2. Moskovskiy aviatsionnyy institut imeni Sergo Ordzhonikidze (for all except Istratov, Shekhtman, Rozhin).

(Automatic control)

26.2351
9,2540 (1020, 1139, 1159)

27389
S/143/61/000/003/001/005
D201/D30

AUTHORS: D'yakov, O.P., Engineer, Udalov, N.R., Candidate of Technical Sciences, Docent, Tishchenko, N.M., Candidate of Technical Sciences

TITLE: A contactless impulse generator

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 3, 1961, 41 - 44

TEXT: The article gives suggestions for the design and shows the experimental results of an investigation of the contactless pulse generator (CPG). The circuit diagram (Fig. 1) includes a heated element PTS, whose working body is connected in the control circuit, and the heat is connected in the winding of the contactless magnetic relay BMR. At zero control current, the current flowing through the heater is a maximum (Fig. 1b) and the working body of the semi-conductor thermoresistance PTS is heated to a temperature of $\theta_0 + \theta_n$ where θ_0 = ambient temperature, and θ_n = the temperatu-

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re rise of the PTS, corresponding to the maximum current flowing through the heater. The control current is

$$I_1' = \frac{U}{R(\theta_o + \theta_{\Pi}) + r_y + r_l}$$

where U - the voltage, $R(\theta_o + \theta_{\Pi})$ - the value of the resistance of the semi-conductor thermoresistance PTS, r_y - the resistance of the control winding, r_l - additional resistance. The working cycle of the PTS is as follows: when the current is flowing through the PTS its resistance decreases, the current I_y increases and at $I_y = I_{cp}$ (point 2 in Fig. 1b), the current is sharply reduced to a very small value, and the PTS starts cooling down. Its resistance increases and the control current I_y is reduced to the value $I_{отп}$ (point 3 in Fig. 1b). At $I_y = I_{отп}$ the current is suddenly increa-

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sed to a maximum value and the PTS is warmed up. These changes have a cyclic character. The calculation of the length of the pulses is reduced to calculating the dynamics of the control circuit, BMR. The calculation of a BMK with heated PTS does not differ from that of an ordinary PTS. For calculations the following initial conditions are required. 1) The volts-amps characteristics of the PTS at θ_0 and at $\theta_0 + \theta_r$; 2) The heating curve of the PTS; 3) The time constant of the PTS. Tests were carried out with an experimental pulse generator, whose circuit was connected as in Fig. 1. The contactless magnetic relay BMR was built as a thoroid of the band permalloy. The PTS-the semi-conductor thermo resistance of the type MMT-4 was used with a resistance of 100 K ohm at 20°C. Its temperature characteristic was given by $R = 3.3e^{3010/T}$. The resistance of the heater was 1000 ohms. The time constant of the heated PTS was $\tau = 66$ secs. The supply of energy was 40 volts, 1000 cycles per sec. As the period of oscillations depends strongly on the bias of the current stabilizing device was introduced with a silicon stabilizer A808 (D808). This assured $U_{outlet} = 7.3$ volts at a coefficient

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cient of stability 60. The maximum heating current was 25 m amps, which corresponded to a temperature rise of $\theta_n = 40^\circ\text{C}$. At the selected values of the parameters, the generator works at a variation of voltage from 60 to 100 volts. The dependence of t_2 , t_3 and $T = t_2 + t_3$ from the supply voltage is shown. At tests at normal ambient temperatures the generator showed good stability: at $U = 80\text{ V}$, $I_{CM} = -26\text{ ma}$ (the bias current) and $\theta_o = 20^\circ\text{C}$, the maximum deviation from $T_{cp} = 90\text{ sec}$. did not exceed 2 sec, i.e. about 2 %. There are 3 figures and 4 Soviet-bloc references.

ASSOCIATION: Moskovskiy ordena Lenina aviatsionnyy institut imeni S. Ordzhonikidze (Moscow Order of Lenin Aeronautical Institute imeni S. Ordzhonikidze)

SUBMITTED: April 25, 1960

Card 4/5

KOLOSOV, S.P.; KOLPAKOVA, N.P.; SOKOLOV, N.I.; TER-AKOPOV, A.K.;
TISHCHENKO, N.M.; UDALOV, N.P.; PETROV, B.N., prof., red.;
YANOVSKIY, I.L., inzh., red.; ANIKINA, M.S., izdat.red.;
ROZHIN, V.P., tekhn.red.

[Design guide for elements and systems of automatic control;
aid for course and degree work] Rukovodstvo po proektirovaniu
elementov i sistem avtomatiki; posobie po kursovomu i
diplomnomu proektirovaniu. Pod red. B.N.Petrova. Moskva,
Gos.izd-vo obor.promyshl. No.3. 1959. 200 p. (MIRA 13:2)

1. Chlen-korrespondent Akademii nauk SSSR; Moskovskiy aviatsion-
nyy institut imeni Sergo Ordzhonikidze (for Petrov).
(Automatic control)

BALASHOV, M.A.; VORONKOV, B.S.; YELAGIN, Ye.B.; KISELEV, L.N.; KOLOSOV, S.P.; LECNT'YEVA, V.P.; NEFEDOVA, V.I.; STROMILOV, V.M.; SOKOLOV, N.I.; TISHCHENKO, N.M.; UDALOV, N.P.; PETROV, B.N., akademik, red.; GRIGORASH, K.I., red. izd-va; ROZHIN, V.P., tekhn. red.

[Handbook on the design of components and systems of automatic control; a manual for the preparation of course and diploma projects] Rukovodstvo po proektirovaniu elementov i sistem avtomatiki; posobie po kursovomu i diplomnomu proektirovaniu [By] M.A.Balashov i dr. Pod red. B.N.Petrova. Moskva, Gos. nauchno-tekhn. izd-vo Oborongiz. No.4. 1961. 311 p.

(MIRA 15:3)

1. Moscow. Aviatsionnyy institut imeni Sergo Ordzhonikidze.
(Automatic control) (Electronics)

S/103/60/021/008/012/014
B012/B063

AUTHOR: Tishchenko, N. M. (Moscow)
TITLE: A Contactless Magnetic Time Relay
PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 21, No. 8,
pp. 1206-1217

TEXT: The present paper was read at the All-Union Conference on Magnetic Elements in Automation, Telemechanics, and Computer Technique on November 29, 1957. The inertial properties of magnetic amplifiers are used for contactless magnetic time relays. For this purpose, special measures are taken to increase inertness. As the time characteristics of contactless magnetic relays depend largely on the feedback coefficient, on the control and displacement currents, and on the way of connecting in the a-c coils, these factors are used to increase the response time (Refs. 1-4). In this connection, the author gives a brief description of a circuit diagram suggested by V. N. Tkachev and S. V. Solntsev, which is shown in Fig. 2a, and of papers by I. B. Negnevitskiy and N. S. Mikadze (Refs. 6, 8). Furthermore, he explains the circuit diagram of a contactless magnetic time relay with a short circuit (Fig. 3). It is noted that, under certain conditions, such

Card 1/2

A Contactless Magnetic Time Relay

S/103/60/021/008/012/014
B012/B063

a circuit diagram has a sufficiently stable response time. A table gives the results of an experimental study of the stability of the response time of ten relays. Figs. 4 - 6 reproduce the static characteristics of the time relay shown in Fig. 3 for different voltages, different frequencies of the feeding source, and different temperatures. Fig. 7 illustrates the dependence of the response time of the time relay on the control current and the safety factor with an unchanged displacement current. Fig. 8 shows the dependence of the response time on the displacement current, and Fig. 9 illustrates the dependence of the response time on the control current for different amounts of the resistance connected to the winding w_{k3} . In con-

nection with this time relay, the author mentions the relays developed by N. A. Polyakova (Ref. 7) and the laboratoriya elektromodelirovaniya ITM i VT AN SSSR (Laboratory of Analog Computing of ITM i VT AS USSR) (Ref. 3). The author shows various ways of increasing the stability of the response time of such relays, and a method is given for an approximate calculation of a contactless magnetic time relay with a short circuit. There are 10 figures, 1 table, and 11 Soviet references.

SUBMITTED: December 31, 1959
Card 2/2

TISHCHENKO, N.M. (Moskva)

Characteristics of an a.c. magnetic amplifier. Avtom. i telem.
23 no.4:527-531 Ap '62. (MIRA 15:4)
(Magnetic amplifiers)

8 (2)

AUTHORS:

Tishchenko, N. M., Candidate of Technical Sciences, Udakov, N. P., Candidate of Technical Sciences SOV/119-59-5-8/22

TITLE:

A Time Relay With Semiconductor Thermoresistor for Indirect Heating (Rela vremeni s poluprovodnikovym termosoprotivleniyem kosvennogo podogreva)

PERIODICAL:

Priborostroyeniye, 1959, Nr 5, pp 14 - 16 (USSR)

ABSTRACT:

At first, the authors report very briefly on the shortcomings of the time relays used up to date. In fact, they needed a long "recovery" time after every use. The time relay described in the present paper is free from these shortcomings, and is also interesting because the heating and the cooling of the thermoresistor are used in this device. A thermoresistor for indirect heating is used here. The delay time is composed of the heating time of the semiconductor thermoresistor and of the cooling time after the cut-off of the current. Thus, the relay is ready for the next use immediately at the end of the delay time. The basic processes of this relay are calculated and discussed. The relay was attached to a chassis and en-

Card 1/2

A Time Relay With Semiconductor Thermoresistor for
Indirect Heating

S07/119-59-5-8/22

closed by a metal casing. The outside dimensions of the casing are 115 • 75 • 90 mm, and its weight is 1.2 kg. There are 8 figures and 4 Soviet references.

Card 2/2

TISHCHENKO, N.M. (Moskva)

Noncontact magnetic time relay. Avtom. i telem. 21 no.8:1206-1217

Ag '60.

(MIRA 13:9)

(Magnetic amplifiers) (Electric relays)

LISHCHENKO, N. M.

621.375.3
1031
Characteristics of Magnetic Ampli-
fiers with Feedback. N. M. Lishchenko
Automat. Telemekhan. 1960 No. 5
p. 1031-1034

3

1031
aog

ТИШЧЕНКО, Н.М. (Москва)

Characteristics of magnetic amplifiers with feedbacks. Avtom.
i. telem. 17 no.6:532-539 Je '56. (MLRA 9:10)

(Magnetic amplifiers)

TISHCHENKO, Nikolay Mikhaylovich; NEGNEVITSKIY, I.B., retsenzent; SYSOYEV,
N.V., red.; SHIROKOV, M.M., tekhn. red.

[Noncontact magnetic relays] Beskontaktnye magnitnye rele. Mo-
skva, Gos. energ. izd-vo, 1961. 127 p. (Biblioteka po avtomatike,
no.39) (MIRA 14:10)
(Electric relays) (Magnetic amplifiers)

D'YAKOV, O.P., inzh.; UDALOV, N.P., dotsent, kand.tekhn.nauk; TISHCHENKO, N.M., kand.tekhn.nauk

Contactless pulse generator. Izv. vys. ucheb. zav.; energ. 4
no.3:41-44 Mr '61. (MIRA 14:3)

1. Moskovskiy ordena Lenina aviatsionnyy institut imeni S. Ordzhonikidze.

(Oscillators, Electric) (Pulse techniques(Electronics))

TISHCHENKO, Nikolay Mikhaylovich; UDALOV, N.P., red.; BUL'DYAYEV,
N.A., tekhn. red.

[Magnetic amplifiers with increased stability] Magnitnye
usiliteli povyshennoi stabil'nosti. Moskva, Gosenergoiz-
dat, 1963. 112 p. (Biblioteka po avtomatike, (MIRA 16:7)
no.73) (Magnetic amplifiers)

TISHCHENKO, N.M., kand. tekhn. nauk

Expositional material of the exhibition "The Soviet Union in the World of the 20th Century" (Museum of the Revolution, Moscow) (Museum of the Revolution, Moscow) (Museum of the Revolution, Moscow)

TISHCHENKO, N.N. [Tyshchenko, M.N.]

Study on *Cysticercus tenuicollis* in farm animals of the
western provinces of the Ukrainian S.S.R. Nauk. zap. Nauk.-
pryrod. muz. AN URSR 10:94-96 '62. (MIRA 16:8)

IL'INSKAYA, N.L.; TISHCHENKO, N.M.

Effect of the conditions of mineral nutrition on the accumulation
of organic acids in plants with neutral cell sap. Vest. LGU 19 no.
15:87-96 '64. (MIRA 17:11)

TISHCHENKO, O. A.

Chlorination and bromination of
of methane on a moving heat carrier
and O. A. Tishchenko, *Zhur. Priklad. Khim.* 30, 629, 630
(1957) — Chlorination of CH₄ at 250-300°C on a bed of
bed of 5-6 mm diameter particles of

CHOPOROV, Ya.P.; TISHCHENKO, O.A.

Production of chloroform and carbon tetrachloride by methane
chlorination over a moving heat carrier. Zhur.prikl.khim.

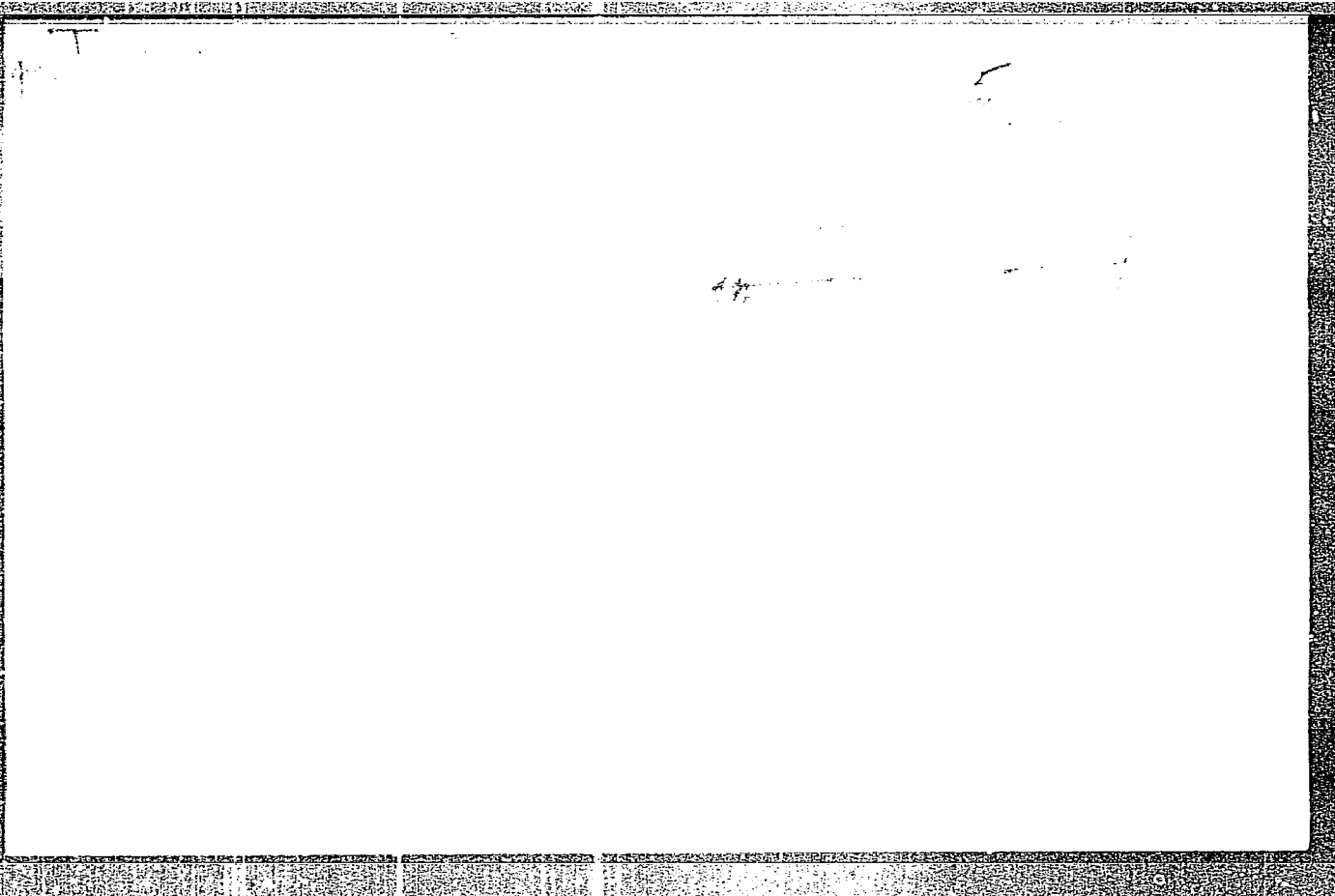
70 no.4:620-625 Ap '67.

(MIRA 10:7)

(Chloroform) (Carbon tetrachloride) (Chloroform)

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CIA-RDP86-00513R001755810020-2



APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755810020-2"

OVCHINNIKOV, K.M.; MOROZOVSKAYA, M.I.; TISHCHENKO, O.D.; DEMCHENKO, I.A., direktor;
NADTOCHIY, S.S.; GORELYSHEVA, I.I.; BEL'SKAYA, M.K.; KONTOROVSKAYA, T.M.;
BELYI, Ya.M., zaveduyushchiy; DEREVENKO, V.I.; SHEVCHUK, M.K., zaveduyushchiy;
D'YACHENKO, V.I.; SAKOVICH, V.K.; AGAFONOV, I.N., zaveduyushchiy; BZSFAMIL'-
NAYA, P.S.

Prognosis of malarial incidence of a locality and organization of antimalari-
al measures in the zone of the future Kakhovka reservoir. Med.paraz. i pa-
raz.bol. no.2:109-116 Mr-Ap '53. (MLRA 6:6)

1. Ukrainskiy institut malyarii i meditsinskoy parazitologii imeni profes-
sora Rubashkina (for Demchenko). 2. Zaporozhskaya oblastnaya protivomalya-
riynaya stantsiya (for Belyi). 3. Dnepropetrovskaya oblastnaya protivomalya-
riynaya stantsiya (for Shevchuk). 4. Khersonskaya oblastnaya protivomalya-
riynaya stantsiya (for Agafonov).

(Kakhovka reservoir region--Malarial fever)

(Malarial fever--Kakhovka reservoir region)

MOLDAVSKAYA, V.D.; TISHCHENKO, O.D.; USTINOV, A.A.; MOSHENSKAYA, F.A.; ZALKIND, L.B.;
MIKHAYLOV, A.A.; TSURANOV, A.A.; MATSUKA, A.G.

Eradication of malaria in a city in Southern Ukraine. Med. parazit.,
Moskva no.3:232-237 May-June 1953. (GLML 25:1)

1. Of the Ukrainian Institute of Malaria and Medical Parasitology
(Director -- I. A. Demchenko), Stalino and Zhdanov Anti-Malarial Stations.

MOROZOVSKAYA, M.I.; TISHCHENKO, O.D.; DEMCHENKO, I.A.; GORELYSHEVA, I.I.;
BEL'SKAYA, M.K.; YEVLAKOVA, V.F.; AGAFONOV, I.N.; BESFAMIL'NAYA,
P.S.; CHERNENKO, Yu.P.

Antimalarial measures in the construction zone of the Kakhovka
Hydroelectric Power Station. Med.paraz.i paraz.bol. no.1:61-66
Ja-Mr '54.
(MLRA 7:3)

1. Iz Ukrainского nauchno-issledovatel'skogo instituta malyarii i
meditsinskoy parazitologii im. professora V.Ya.Rubashkina (direk-
tor instituta I.V.Demchenko) i Khersonskoy oblasti protiv
malyariynoy stantsii (navedenyahodly stantsiyey I.A.Agafonov).
(Kakhovka region--Malarial fever)
(Malarial fever--Kakhovka region)

USSR/Miscellaneous

Card 1/1 Pub. 133 - 12/19

Authors : Tishchenko, O. D.

Title : Courses in advanced labor methods at the Kiyev's telegraph center

Periodical : Vest. svyazi 6, 23-24, June 1955

Abstract : A description of technical training courses in advanced methods for the operation, maintenance and servicing of telegraph communication equipment is given, together with suggestions for the reorganization of some training methods. Table.

Institution :

Submitted :

MOROZOVSKAYA, M.I.; DEMCHENKO, I.A.; TISHCHENKO, O.D.; GORELYSHOVA, I.I.;
YEVLAZHOVA, V.P.; NADTOCHKIY, S.S.; GAL'PERIN, L.Yu; BELYI, Ya.M.;
LAZEBNYY, N.V.; DEREVENKO, V.I.; SERVINENKO, G.A.; SHEVCHUK, M.K.;
D'YACHENKO, V.I.; AGAFONOV, N.I.; BESFAMIL'NAYA, P.S., CHERNENKO, Yu.L.

Preventive antimalaria measures for lumberjacks employed in clearing
the bed of the future Kakhovka Reservoir. Med.paraz. i paraz.bol.24
no.3:207-208 J1-S '55. (MLRA 8:12)

1. Iz Ukrainського nauchno-issledovatel'skogo instituta malyarii i
meditsinskoy parazitologii imeni prof. V. Ya. Rubashkina (dir.
instituta I.S.Demchenko) i Zaporozhskoy, Dnepropetrovskoy i
Khersonskoy oblastnykh protivomalyariynykh stantsiy.
(MALARIA, prevention and control,
in Russia, in forest workers)

SHALASHOV, P.V., TEBUCHENKO, G.D., Inzh. po tsentral'noi svyazi

Processing of telegrams using an automatic concentrator. Vest.
svyazi 23 no.12:16-17 D '63. (MIRA 17:2)

1. Glavnyy inzh. Kiyevskogo tsentral'nogo telegrafa (for Shalashov).

SHALASHOV, F.V.; TISHCHENKO, O.D.

Contribution of the efficiency promoters of the Kiev telegraph
to the seven year plan. Vest. aviazi 21 no.8:29-30 Ag '61.

(MIRA 14:9)

1. Glavnyy inzhener Kiyevskogo tsentral'nogo telegrafa (for Shalashov).
 2. Inzhener po ratsionalizatsii Kiyevskogo tsentral'nogo telegrafa (for Tishchenko).
- (Kiev--Telegraph--Employees)

BELEVTSSEV, A.T., kand. tekhn. nauk; GOLIKOV, V.I., kand. tekhn. nauk;
GOTSERIDZE, R.M., inzh.; YEFIMOV, V.P., kand. tekhn. nauk
[deceased]; KOPANEVICH, Ye.G., kand. tekhn. nauk; MALOV, A.N.,
prof.; PARFENOV, O.D., kand. tekhn. nauk; ROZENBERG, A.G.,
tekhn.; SEMIBRATOV, M.N., kand. tekhn. nauk; SKURATOV, A.Ye.,
kand. tekhn. nauk; SOKOLOVSKIY, I.A., kand. tekhn. nauk;
SYROVATCHENKO, P.V., kand. tekhn. nauk; TISHCHENKO, O.F., doktor
tekhn. nauk; USHAKOV, N.N., kand. tekhn. nauk; CHUMAKOV, V.P.,
kand. tekhn. nauk; SHAL'NOV, V.A., kand. tekhn. nauk; SHISHKIN,
V.A., kand. tekhn. nauk; YUZHNYI, I.I., inzh.; BLAGOSKLONOVA,
N.Yu., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Manual for engineers in the instrument industry] Spravochnik
tekhnologa-priborostroitelia. Pod red. A.N. Malova. Moskva,
Mashgiz, 1962. 988 p. (MIRA 16:2)
(Instrument manufacture)

TISHCHENKO, G. F. Cand. Tech. Sci.

Dissertation: "Investigation of the Effect of Errors in Watch Low-Module Gearings and Their Limitation by Tolerances." Moscow Order of the Labor Red Banner Higher Technical School named N. E. Bauman, 13 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

TISHCHENKO, C. F.

Technology

Cogwheels of timepieces. Moskva, Mashgiz, 1950.

Monthly List of Russian Accessions Library of Congress (translated by Air Forces ATIC
Wright Field) October 1952 UNCLASSIFIED

TISHCHENKO, O.F., kandidat tekhnicheskikh nauk, dotsent

Graphic and analytic methods of studying watch toothed-wheels.
[Trudy] MVTU no. 34:25-35 '55. (MIRA 8;10)
(Clocks and watches) (Gearing--Tables, calculations, etc.)

TISHCHENKO, O.F., kandidat tekhnicheskikh nauk, dotsent

Statistical control methods. [Trudy] MVTU no. 34:92-127 '55.
(MIRA 8:10)

(Machinery--Quality control) (Instruments--Quality control)

TISHCHENKO, O.F.

Using involute-tooth profiles for wheel trains used in watches.
Priborostroenie no.9:15-19 S '56.

(MLRA 9:10)

(Clockmaking and watchmaking; (Gearing)

TISHCHENKO, O.F.

Calculating tolerances for watch gear trains. Priborostroenie
no.12:19-22 D'56. (MIRA 10:1)
(Clockmaking and watchmaking)

TISCHENKO, O.F.

Graphic representation of tolerance zones for fastening screw threads
used in instrument construction. Priborostroenie no.3:16-17 Mr '57.
(Screw cutting) (Screw threads--Graphic methods) (MLRA 10:5)

TISHCHENKO, O.F.; BORISOV, A.S., kand. tekhn. nauk, retsenzent;
KURATSEV, L.Ye., red.izd-va; EL'KIND, V.D., tekhn. red.

[Toothed transmissions of watch mechanisms] Zubchatye pe-
redachi chasovykh mekhanizmov. 2., dop. i perer. izd. Mo-
skva, Mashgiz, 1963. 211 p. (MIRA 16:9)
(Clocks and watches)

TISHCHENKO, O.F., doktor tekhn. nauk, prof.

Problems of interchangeability in the manufacture of instruments.
Standartizatsiia 28 no.9:26-29 3 '64.

(MIRA 18:2)
1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Bauman.

ZYABREVA, N.N., kand. tekhn.nauk, dots.; SHEGAL, M.Ya., kand. tekhn.
nauk, dots.; DVORETSKIY, Ye.R., kand. tekhn. nauk, retsenzent;
TISHCHENKO, O.F., prof., doktor tekhn. nauk, red.; IVANOVA,
N.A., red.izd-va; SOKOLOVA, T.F., tekhn. red.; TUKHANOV, A.Ya.,
tekhn. red.

[Problems and examples for a course on the principles of inter-
changeability and technical measurements] Sbornik zadach i pri-
merov po kursu "Osnovy vzaimozameniaemosti i tekhnicheskie iz-
mereniia." Moskva, Mashgiz, 1963. 280 p. (MIRA 16:5)
(Interchangeable mechanisms)

BEZHELUKOVA, Ye.F., inzh.; VOROB'YEV, Yu.A., kand. tekhn. nauk;
VORONTSOV, L.N., kand. tekhn. nauk; ZYABREVA, N.N., kand.
tekhn. nauk; LYANDON, Yu.N., kand. tekhn. nauk; ~~TISHCHENKO,~~
O.F., doktor tekhn. nauk, prof.; FEDOROV, A.D., kand. tekhn.
nauk; YAKUSHEV, A.I., doktor tekhn. nauk, prof.; GOSTEV, V.I.,
inzh., retsenzent; KUBAREV, V.I., inzh., red.; GARANKINA,
S.P., red.izd-va; UVAROVA, A.F., tekhn. red.

[Handbook on allowances, fits, and linear measurements for
inspectors at machinery plants] Spravochnik kontrolera ma-
shinostroitel'nykh zavodov; po dopuskam, posadkam, i lineinym
izmereniam. Pod red. A.I. Yakusheva. Leningrad, Mashgiz,
1963. 723 p. (MIRA 16:5)

(Production control) (Measuring instruments)
(Interchangeable mechanisms)

TISHCHENKO, O.F. ... kand. tekhn. nauk

Calculating tolerances for watch gear trains considering gear-cutting conditions. Vzaim. i tekhn. izm v mashinostr.; mezhvuz. sbor.
no. 2:111-134 '60. (MIRA 13:8)
(Clockmaking and watchmaking)
(Tolerance (Engineering))

PHASE I BOOK EXPLOITATION

SOV/4663

Tishchenko, Oleg Fedorovich

Kontrol'no-izmeritel'nyye pribory v mashinostroyenii (Control and Measuring Instruments [Used] in Machine Building) Moscow, Mashgiz, 1960. 311 p. 20,000 copies printed.

Reviewer: A.N. Malov, Candidate of Technical Sciences; Ed.: Ye. M. Levenson, Engineer; Managing Ed. for Literature on Machine Building and Instrument Construction (Mashgiz): N.V. Pokrovskiy, Engineer; Ed. of Publishing House: M.S. Yeliseyev; Tech. Ed.: Z.I. Chernova.

PURPOSE: This textbook is intended for the training of mechanics and adjusters in the use of control and measuring devices and may also be used by workers of measuring laboratories in factories.

COVERAGE: The book contains information on the operating principles, construction, inspection, testing and adjustment of basic types of control and measuring instruments used in the machine-building and instrument industries. Necessary information on the use of measuring instruments is included and considerable

Card 1/4

Control and Measuring Instruments (Cont.)

SOV/4663

attention is given to the description of automatic devices used for dimensional control of parts. No personalities are mentioned. There are 21 references. all Soviet.

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2. Basic metrological elements of measuring instruments and their characteristics	5
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2. Graduated scales	19
3. Gage blocks	20
4. Angle gages (blocks)	21
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PAGE I BOOK EXPLANATION

SV/406

Moscow. Moskovskaya vysshaya tekhnicheskaya shkola

Valovskoyevskiy I. V. *Isklyucheniya iz mashinostroyeniya (Interferentsiya i izmereniya tekhnicheskoy tekhnologii)* Moscow, Mashin. 1959. 222 p. (Series: Mashinostroyeniye sbornik, No. 1) Extra slip inserted. 3,000 copies printed.

Additional Sponsoring Agency: Moscow. Stanokostroyeniye Institut Izvesti
I. V. Stanok.

Editorial Board: A. I. Ivanov, Doctor of Technical Sciences, Professor;
B. I. Volodko, Candidate of Technical Sciences, and B. N. Gerasimov, Candidate
of Technical Sciences; Eds.: M. F. Ivanov, Candidate of Technical Sciences;
B. A. Ivanov, Candidate of Technical Sciences; and A. I. Ivanov, Doctor
of Technical Sciences, Professor; Managing Eds.: for Literature, Science and
Instrument Construction: B. V. Ivanov, Engineer; M. of Publishing
House: G. F. Koshlovskiy, Tech. Ed.: A. F. Ivanov.

FOREWORD: This collection of articles is intended for scientific workers and
technical personnel studying problems of interferences and technical
measurements in machinery manufacture.

CONTENTS: The book deals with trends in the development of basic problems of
interferences. Existing measuring equipment in the USSR and other
countries is discussed. Some design and utilization problems in the use of
interferences in scientific measuring devices are outlined. Emphasis is
laid on methods and equipment for the design and construction of inter-
ference measuring devices. The book contains a number of references and con-
tains a list of references. References accompany several of the articles.

Zyabrov, B. B., and O. J. Zhabrovskiy. <i>Methods of Calculating Tolerances for Center Distances of Holes in Circular Plates and Bridges</i> in Elements of Paper Trenching	70
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Volodko, B. I. <i>Candidate of Technical Sciences, Doctor. Inter- ference of Surfaces Flats by Comparison with Samples</i>	111
Ivanov, A. I. <i>Candidate of Technical Sciences, Doctor. On the Problem of Vector Errors (Due to Eccentricity and Misalignment)</i>	126
Ivanov, A. I. <i>Candidate of Technical Sciences, Doctor. On the Calculation of Interferences in Measurements with DVM, SDC, and BP-200 Optical-Mechanical Instruments</i>	134
Ivanov, A. I. <i>Candidate of Technical Sciences. Investigation of Feedback-Control Devices for Controlling Journal Parameters During Polishing with Circular Wheels</i>	155
Gerasimov, B. N. <i>Doctor. On the Application of the Principles of Interference in the Design of Devices for Control and Measurement of Control with Averaging of Measurement Data</i>	178
Ivanov, B. V. <i>Engineer. Checking of Parts with Double Curvature</i>	197
Ivanov, B. V. <i>Aspirant. A Universal Shrinkage Vernier Height Gauge</i>	211
AVAILABILITY: Library of Congress	230

Valind: asnjayemot' i tehnikbesklye izmeniya v mekhanizme

book, no. 2 (Interchangeability and Engineering Measurements in Machinery Manufacture; University Collection, No. 2) Moscow, Mashin: 1960. 542 p. Kirelskiy inserted. 5,000 copies printed.

[illegible]

Purpose: This collection of articles is intended for scientific and technical personnel dealing with problems of interchangeability and engineering measurements in the machine and instrument industries.

~~Abstract~~ (Candidate of Technical Sciences, Docent). Solution of Some Problems of Third Interchangeability With the Theoretical-Probably Method

SECRET

estimates for toothed cats in clocks based on gear-cutting conditions

and H.T. Livshits (Candidate of Technical Sciences).
Responsible for determining the dimensions and tolerances.

1970-71, in. A. (Engineer). Dimensional Tolerances for
Stainless-Alloy Castings

Rules for Selecting the Clearance Between Compressor Cylinders and Pistons

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

22775, B.A. Analysis of the Errors of Various Types of Measuring Devices 202

Indexing: Q.A. (Control) of Machining Methods

Radial Accuracy of Precision Toothed Gears

Results (continued). Measuring the Maximum Error of Interpolation

the Candidate of Technical Sciences). Master of
the Candidate of Engineering Inspection

3. Technical Errors of Cylinders (includes of technical sciences, Docent]. Checking

Operating Fund¹: and Clearances in Rolling-Contact Bearings. Methods for

Case 6/7

Tishchenko, C.F.

PHASE I BOOK EXPLOITATION

SOV/4106

Moscow. Moskovskoye vyssheye tekhnicheskoye uchilishche

Vzaimozamenyayemost' i tekhnika izmereniy v mashinostroyenii (Interchangeability and Measurement Techniques in Machinery Manufacture) Moscow, Mashgiz, 1959. 232 p. (Series: Mezhvuzovskiy sbornik, No. 1) Errata slip inserted. 3,000 copies printed.

Additional Sponsoring Agency: Moscow. Stankoinstrumental'nyy institut imeni I. V. Stalina.

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Card 1/5

Interchangeability and Measurement Techniques (Cont.)

SOV/4106

PURPOSE: This collection of articles is intended for scientific workers and technical personnel studying problems of interchangeability and technical measurements in machinery manufacture.

COVERAGE: The book deals with trends in the development of basic problems of interchangeability. Existing measuring equipment in the USSR and other countries is discussed. Some design and utilization problems in the use of conventional and automatic measuring devices are outlined. Emphasis is given to methods and equipment for feedback and mechanized control and control of the geometry and surface roughness of parts. No personalities are mentioned. References accompany several of the articles.

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10/4/60

TISHCHENKO, Oleg Fedorovich; MALOV, A.N., kand.tekhn.nauk, retsenzent;
LEVENSON, Ye.M., inzh., red.; YELISEYEV, M.S., red.izd-va;
CHERNOVA, Z.I., tekhn.red.

[Control measuring instruments used in the manufacture of machinery]
Kontrol'no-izmeritel'nye pribory v mashinostroenii. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 311 p.
(MIRA 13:9)

(Measuring instruments)

TISHCHENKO, O. F., Doc Tech Sci (diss) -- "Methods of investigating small-modulus gears and computing their tolerances as applied to watch mechanisms". Moscow, 1959. 28 pp (Min Higher Educ USSR, Moscow Order of Lenin and Order of Labor Red Banner Higher Tech School im Bauman), 150 copies (KL, No 24, 1959, 134)

AUTHOR: Tishohenko, O.F.

119-58-6-9/13

TITLE: A Device for the Investigation of a Toothed-Gear Drive With Small Modulus (Pribor dlya issledovaniya zubchatykh peredach malogo modulya)

PERIODICAL: Priborostroyeniye, 1958, Nr 6, pp. 27-28 (USSR)

ABSTRACT: One of the principal demands made on a toothed-gear drive with small modulus is that within a certain range the transmission ratio of the angular momenta i_m between the pinion (M_m) and the driving gear (M_k) remains constant.

$$(i_m = \frac{M_m}{M_k})$$

A simple apparatus is described which consists of two springs with indicators and holders for the axes of the toothed-gear drive under investigation, with which the mesh of the gears of a clockwork can be checked and controlled.

The ratios measured are graphically represented, so that it is well possible to draw a comparison between the properties of one pair of investigated gears in each individual case.

Card 1/2

A Device for the Investigation of a Toothed-Gear
Drive With Small Modulus

119-58-6-9/13

However, also by exchanging a gear for another that is very good it is possible experimentally to determine the faults of the other gear which is in an inferior state. There are 5 figures.

1. Gears---Testing equipment
2. Gears---Performance
3. Gears---Inspection

Card 2/2