

Short period temperature rise ...

Z/042/61/000/010/003/003  
E197/R435

that of the conductor; the thickness of the insulating film to be a few tenths of a millimetre and that stable temperature conditions should exist before the short. The author develops a differential equation under the assumption that there is heat transfer through the boundary between conductor and insulation but no heat loss to the surroundings through the outer surface of the insulator, applies the Laplace-Carson transformation which is then simplified for the case of short periods and finds that the equation for the insulated conductor differs from that pertaining to blank conductors only by a value which represents the increase in the total thermal capacity due to the insulator itself. Accordingly, it is further postulated that the thermal capacity of the conductor shall be large in comparison with the thermal capacity of the insulating layer. A numerical example concerns a very long copper conductor, insulated for a length of 4 cm and exposed to a short of 10 sec duration, when the thermal capacity of the conductor and insulation is 1.16 times that of the conductor. The author finds that the temperature of the conductor in the middle of the insulated portion is 0.91 times that of the blank conductor.

Card 2/3

Short period temperature rise ...

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A conductor surrounded by liquid is considered by the author in the first approximation as a conductor surrounded by solid insulation. For calculating the conductor temperature when cooling does take place at the surface, the author suggests the use of the formula for no surface effect and to substitute a modified time  $t(1 + t/2\tau)$ , in which  $t$  is the true time and  $\tau$  a factor given by the conditions. Next the author considers the effect of the change of specific heat and specific resistance with temperature and takes the arithmetic average as well as a change of current with time, for which the integral of the square of the current is taken. There are 1 figure and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. The two references to English language publications read as follows: Ref.1: Carslaw H.J., Jaeger J.C., Conduction of heat in solids. Oxford 1947; Ref.2: Herlitz I., ASEA Journal, 1951, 24, 84-89.

ASSOCIATION: Katedra elektrických strojov a prístrojov Slovenskej vysokej školy technickej (Department of Electrical Machines and Instruments at the Slovak Technical University)  
 SUBMITTED: March 23, 1961  
 Card 3/3

ARTEBAUER, O., ins.

Measurement of electrodynamic forces in electric apparatus.  
El tech obsor 51 no.3:128-129 Mr '62.

1. Slovenska vysoka skola technicka.

Z/042/62/000/003/004/004  
E073/E535

AUTHOR: Artbauer, Otto, Engineer, Assistant  
TITLE: Cooling of electrical equipment after a short circuit  
PERIODICAL: Elektrotechnický časopis, no.3, 1962, 167-172  
TEXT: In order to determine the thermal stresses of material after a short circuit, it is necessary to calculate the integral

$$\int e^{-H/T} . dt. \tag{1}$$

where T - absolute temperature, t - time, H - material constant. In the case of a short circuit the cooling time is very long compared to the duration of the short circuit. The cooling curve resembles an exponential and for an exponential the integral, Eq.(1), can be calculated (Ref.4: Frenztz H., Elektrotechnik und Maschinenbau, 1958, 75, no.17, 485). The exponential curve can be so chosen that the same integral equation is valid for the real and substitute curves (Ref.5: Herlitz I., ASEA Journal, 1951, 84). The author has so chosen the exponential that the speed of decrease of the temperature at the beginning of the Card 1/2

ARTBAUER, Otto, ins.

Calculation of temperature in the current paths of a switchgear at short circuits. El tech cas 13 no.5:257-265 '62.

1. Odborný asistent, Katedra elektrických strojov a vřistrojov, Slovenska vysoka skola technicka, Mytna 32/E, Bratislava.

ARTBAUER, Otto

Determining the permissible heating of electric apparatus and  
conductors at a nominal current and a short circuit. *El tech cas*  
14 no.2:67-73 '63.

1. Odborný asistent, Katedra elektrických strojov a prístrojov,  
Slovenská vysoká škola technická, Bratislava.

ARTBAUER, Otto, ins.

Heat transfer at free convection in channels. El tech cas 14  
no.6:317-322 163.

1. Katedra elektrických strojov a prístrojov, Slovenská vysoká  
škola technická, Bratislava, Mytná 32/E.

ARTBAUER, Otto, ins.

Selection of materials and dimensions for parts of electric  
apparatus with regard to loss. El tech obsor 52 no.1:18-20  
Ja '63.



ARTBAUER, Otto, ins,

Life of service of electric insulation. E1 tech obser 52  
no.4:213 Ap '63.

ARTBAUYER, Otto

Determination of the forces of a compressing effect. Izv.vys.ucheb.  
zav.; elektromekh. 7 no.1:128-129 '64. (MIRA 17:9)

ARTBAUER, Otto, ins.

Figure formed by iron dust in alternating magnetic field, a simple device for determination of field forces. El tech cas 15 no. 9444-157 '64.

1. Department of Electric Machines and Apparatus, Slovak Higher School of Technology, Bratislava, Mytna 32/E.

2 20232-66 ETT(r)/EMP(t) LJE(r) JE  
ACC NR: AF6010324

SOURCE CODES: 02/0012/65/000/008/001/0662

AUTHOR: Artbauer, Otto (Engineer; Candidate of sciences)

ORG: Department of Electrical Machinery and Apparatus, SVST, Bratislava (Katedra elektrických strojov a prístrojov SVST)

TITLE: Permissible temperature of bare conductors, particularly in the presence of short-circuits

SOURCE: Elektrotechnicky casopis, no. 8, 1965, 449-462

TOPIC TAGS: electric conductor, temperature dependence, copper, aluminum

ABSTRACT: The influence of temperature on hard electrolytic copper, hard electrolytic aluminum and other materials is, apart from other factors, also dependent on time. The short-circuit temperature influences the material mainly during the cooling period, which lasts much longer than the short circuit. Therefore the permissible short-circuit temperature is dependent on the expected number of short circuits and on the rated conductor current (more precisely on the time constant of cooling). The method of calculation and its results for bus bars are described. Permissible temperatures of 260°C are recommended for electrolytic copper bars, 160°C for electrolytic copper strands, and 200°C for electrolytic aluminum bars and strands. It appears that the rated temperatures could be raised for electrolytic aluminum conductors. This paper was presented by R. Gert. Orig. art. has: 5 figures, 16 formulas, and 4 tables. [JPRS] SUB CODE: 09 / SUBM DATE: 17Feb65 / ORIG REF: 004 / OTI REF: 011 / SOV REF: 001

ARTECKI, Wieslaw, mgr inż.

Dynamic analysis of the contactor mechanism. Przegł  
elektrotechn 40 no.1:36-38 Ja'64.

1. Katedra Czesci Maszyn i Prayrsadow Elektrycznych,  
Politechnika, Gdansk.

LISTOV, V.A.; ARTEM, M.V.; SEMENOV, K.A.; KULESHOV, V.D.;  
CHERNIKOVA, T.P.

Using the OSV-1 unit for determining the stability of the  
viscosity of thickened oils. Standartizatsia 28 no.1:29-30  
Ja '64.  
(MIRA 17:1)

ACCESSION NR: APS 309996

III/228/64.100/103/0017/0019

Antena, M. S. ... Caracas, N. S. ... San Juan, N. S. ... Kurumbura, Y. S. ...

... content, in oils by IR absorption spectra. 18

... no. 3, 1964, 17-20

... additive, oil / IR IC spec-

"APPROVED FOR RELEASE: 09/24/2001

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CIA-RDP86-00513R000102220006-8"



ARTEMCHENKO, A.G.

Two patients with erythroderma psoriaticum cured at the "Kul'dur"  
health resort. Vest.derm. i ven. 32 no.1:75-76 Ja-F '58.

(MIRA 11:4)

1. Kurort "Kul'dur"  
(KUL'DUR--PSORIASIS)

ARTEMCHENKO, A.G.

Treatment of skin diseases at the "Kul'dur" Health Resort. Vop. kur.  
fisioter. i lech. fiz. kul't. 25 no. 3:263-264 My-Je '60.

(MIRA 14:14)

1. 8 kurorta "Kul'dur" (glavnyy vrach A.T. Ponomarenko).  
(KUL'DUR—HEALTH RESORTS, WATERING PLACES, ETC.)  
(SKIN—DISEASES)

5(4)

AUTHOR: Artemchenko, A. I. (Belaya Tserkov')

SOV/76-33-5-14/33

TITLE: The Viscosity and Structure of the Solutions of Potassium Iodide in Methyl Alcohol (Vyazkost' i struktura rastvorov yodistogo kaliya v metilovom spirte)

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 5, pp 1047 - 1052 (USSR)

ABSTRACT: The viscosity was measured in a capillary viscosimeter. The concentration of potassium iodide varied between 1.002 and 13.12 weight%, the temperature ranged from +25 to +95°C. The measuring results are shown in figures 1 and 2, and table 1. A "negative" viscosity could not be found. The temperature dependence of viscosity is represented by the equation

$\eta = Ae^{B/RT}$ , A and B being independent of temperature. Their dependence on the concentration is shown in figure 3. The X-ray investigation of alcohols (Ref 18) proves the existence of tridimensional molecule complexes with a diameter of about 5 Å for methyl alcohol. The dependence of the size of the associated molecules on temperature has not yet been explained.

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The Viscosity and Structure of the Solutions of  
Potassium Iodide in Methyl Alcohol

304/76-33-5-14/33

An almost spherical aggregate with a diameter of about 6 Å consisting of 6 molecules may, however, be assumed for methyl alcohol for a temperature interval of from -25 to + 50°C, and one of 9 molecules and a length of about 10 Å for a temperature below -25°. If the molecule complex (the associate) was considered the unit of the viscous flow it could be assumed that the activation energy remained unchanged over a wide temperature range as is shown by the measuring results in table 2. Since no X-ray investigations of potassium iodide in methyl alcohol were carried out it was attempted to evaluate the values found for relative viscosity on account of the compressibility of the solvent. With KJ solutions the order is glycerin - water - glycol - methanol, whereas compressibility increases in the order glycerin - glycol - water - methanol. Thus the relative viscosity does not only depend on compressibility. It is assumed that the change of the order is caused by the different size ratios between dissolved ions and molecules of the solvent. One ion decreases the viscosity the more, the more hydroxyl bonds it prevents by its presence and the lower the potential barrier is in its surroundings.

Card 2/3

The Viscosity and Structure of the Solutions of  
Potassium Iodide in Methyl Alcohol

SOV/76-33-5-14/33

The relative viscosity of an electrolyte depends on the total amount of the suspension effect, the intermediate ion effect, and the ion dipole effect. There are 3 figures, 2 tables, and 23 references, 12 of which are Soviet.

ASSOCIATION: Belotserkovskiy sel'skokhozyaystvennyy institut (Belaya Tserkov' Agricultural Institute)

SUBMITTED: October 11, 1957

Card 3/3

Abstract

Determination of the ultimate radius of hydration of anions  
from the density of solutions. Zhur. fiz. khim. 53 no. 6:1661-  
1603 1976.

(NIRA 18:3)

1. Belotserkovskiy nauchnoissledovatel'skiy institut.

ARTEMCHENKO, A. I.

Capillary viscosimeter for measuring the viscosity of volatile liquids. Zav. lab. 28 no.12:1524 '62. (MIRA 16:1)

1. Kiyevskiy gosudarstvennyy universitet.

(Viscosimeter)

ARTEMCHENKO, A.I.

Relationship between the refraction of the white of the hen's egg  
and its storage time. Nauch. dokl. vys. shkoly; biol. nauki no.3:  
102-104, '61. (MIRA 14:6)

1. Rekomendovana kafedroy veterinarno-sanitarnoy ekspertisy  
Belotserkovskogo sel'skokhozyaystvennogo instituta.  
(REFRACTION) (EGGS-STORAGE)



ARTEMCHENKO, A.I., ORISHCHENKO, A.V.

Density and structure of n-butanol solutions in glycerol.

Ukr.khim.zhur. 29 no.1:52-54 '63.

(MIRA 16:5)

1. Belotserkovskiy sel'skokhozyaystvennyy institut i Kiyevskiy  
uchebno-konsul'tatsionnyy punkt Leningradskogo instituta vodnogo  
transporta.

(Butyl alcohol) (Glycerol)

ARTEMCHENKO, A.I.

Viscosity and structure of potassium iodide solutions in  
ethyl alcohol. Ukr. khim. zhur. 29 no.10:1112-1113 '63.  
(MIRA 17:1)

1. Belotserkovskiy sel'skokhozyaystvennyy Institut.

ARTEMCHENKO, A.I.

Velocity of sound in and the compressibility of solutions of  
electrolytes in normal alcohols. Zhur. fis. khim. 7/ no.5;  
983-987 My '63. (MIRA 17:1)

1. Belotserkovskiy sel'skokhozyaystvennyy institut.

ARTYKHENKO, A.I.

Conductivity and structure of nonaqueous electrolyte solutions.  
PART 1. Zhur. fis. khim. 37 no.1:3-7 Ja '63. (MIRA 17:3)

I. Dolotserkovskiy sei'akokhosyaystvennyy institut.

**"APPROVED FOR RELEASE: 09/24/2001**

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**APPROVED FOR RELEASE: 09/24/2001**

**CIA-RDP86-00513R000102220006-8"**

VUL'FSON, N.S.; KOLCHIN, V.Ye.; ARTEMCHIK, L.K.

Derivatives of acylacetic esters of the heterocyclic series. Part 4: Synthesis of nicotinoylacetic ester, arylides, and azomethine dyes prepared from them. Zhur.ob.khim. 32 no.10:3382-3386 0 '62. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley i Institut khimii prirodnykh soedineniy AN SSSR.

(Pyridinepropionic acid)  
(Dyes and dyeing) (Schiff bases)

ARTEMCHIK, M.A.

Economic accountability of building sections. Trudy MIRA  
no.14:595-600 '59. (MIRA 13:1)

1. Upravlyayushchiy trestom Sverdlovskpromstroy; Sverdlovskiy  
sovnarkhos.  
(Sverdlovsk--Construction Industry--Accounting)

ARTEMCHIK, M.A.; TRIGUB, I.A.; SEMYRIN, Ye.A.

[Accounting in the construction industry; practices of UMR  
No.774 Building Trust No.89, Sverdlovsk Economic Council]  
Khozisistvennyi raschet v stroitel'nom upravlenii; in opyta  
raboty UMR No.774 Stroitrestu No.89 Sverdlovskogo sovmarkhosa.  
Moskva, Gos.isd-vo lit-ry po stroit., arkhitekt. i stroit.materie-  
lam, 1960. 67 p. (MIRA 14:4)  
(Construction industry--Accounting)



KLOKOV, M.V.; ARTEMCHUK, I.V.

New endemic species of the borago family. Bot.zhur.[Ukr.] 9 no.3:81-85 '52.  
(MIRA 6411)

1. Chernivets'kyy derzhavnyy universytet, Kafedra systematyky roslin. Insty-  
tut botaniky Akademiyi nauk Ukrayins'koyi RSR, Viddil vyshchykh roslin.  
(Stickseeds)

ARTEMCHUK, I.V.

Work of the Department of Botany of the Chernovtsy State University in the  
postwar period. Bot.szhur.[Ukr.] 10 no.1:110-111 '53. (MLRA 6:8)  
(Ukraine--Botany) (Botany--Ukraine)

ARFEMCHUK, I. V.

Mountain meadows of Chernovtsy Province and ways of improving them.  
Bot. sbor. [Ukr.] 10 no. 4:24-31 '53. (MIRA 6:12)

1. Chernivets'kiy derzhavnyi universitet, kafedra botaniki.  
(Chernovtsy Province--Meadows) (Meadows--Chernovtsy Province)

ARTEMCHUK, I.V.

Effect of nutrition on spike ramosity of certain forage grasses. Bot.  
zhur. [Ukr.] 11 no.1:73-77 '54. (MIRA 8:7)

1. Chernivets'kiy derzhavnyi universitet, kafedra botaniki.  
(Grasses)

Classification : unclassified  
ABS. JOURN : Zet Zhur-Biology, 1, 1959, No. 1535  
AUTHOR : Artemciuk, I. V.; Berezovskaya, R. S.; Pogrebnyak, A. I.  
INST. : Chernovitsy Univ.  
TITLE : Certain Features of the Natural Pasture Grounds  
in the Foothill Country of the Ukrainian Car-  
pathians.  
ORIG. PUB : Nauchn. yezhegodnik Chernovitsk. on-t., 1956  
(1957), 1, No. 2, 74-8  
ABSTRACT : No abstract

CARD: 1/1

*Artemchuk, I.V.*

USSR/ Meadow Cultivation.

L.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95860

Author : Artemchuk, I.V.

Inst : Chernovitskiy University

Title : *Onobrychis arenaria* (Kit.) Ser. in Bukovina.

Orig Pub : Nauchn. yezhegodnik. Chernovitsk. un-t, 1956 (1957), 1, No 2, 79-82.

Abstract : In Soviet Bukovina, *Onobrychis arenaria* grows naturally in two different soil-climatic regions: in the forest-steppe area of the Prut-Dnestrovskiy inter-riverine region, and in the steppe area of the foothill Prut-Seret-skiy inter-riverine region. Seeds of *onobrychis arenaria* from both regions were planted in the Botanic Garden of Chernovitskiy University under similar conditions. Cultivation tests of wild Bukovina *onobrychis arenaria* for

Card 1/2

ARTEMCHUK, I.V.

*Genistella sagittalis* (L.) Guss., a new plant in the flora  
of the U.S.S.R. Ukr.bot.zhur. 16 no.2:76-79 '59.  
(MIRA 12:11)

1. Chernovetskiy gosudarstvennyy universitet, kafedra botaniki.  
(Dobrotovo region--Genitsa)

MOLOTKOVSKIY, G.Kh. [Molotkovs'kyi, H.Kh.], prof., otv.red.; ~~ABRAMCHUK~~,  
I.L., dotsent, red.; GOROKHOVA, Z.N. [Morokhova, Z.N.], dotsent,  
red.; LIBERMAN, I., tekhred.

[Transactions of the Expedition for the Comprehensive Study of  
the Carpathian Mountains and Ciscarpathia] Pratsi. Chernovtsy,  
Vyd.Chernivets'koho derzh.univ. Vol.6. (Seria biologichnykh  
nauk) Roslynni resuray. 1959. 143 p.

- (MIRA 13:11)  
1. Ekspedytzia po kompleksnomu vyvchenniu Karpat i Prikarpatia.  
(Carpathian Mountain region--Botany, Zoocenic)



ARTEMCHUK, I. V.

Teratological variations in the flower of the autumn crocus (*Colchicum autumnale* L.) and the polymorphism of this species. Ukr.bot. zhur. 17 no.2:70-76 '60.  
(MIRA 13:11)

1. Chernovitskiy gosudarstvennyy universitet, kafedra botaniki.  
(Meadow saffron) (Abnormalities (Plants))

ARTEMCHUK, M.; TRIGUB, I.

~~In the struggle for economy. Stroitel' no.11:19-20 N '57.~~

(MIRA 10:12)

1.Nachal'nik Upravleniya nachal'nika rabot - 774 [UMR-774] tresta Sverdlovskpromstroy (for Artemchik). 2.Nachal'nik planovogo otdela Upravleniya nachal'nika rabot - 774 [UMR-774] tresta Sverdlovskpromstroy (for Trigub).

(Sverdlovsk--Construction industry--Accounting)

NIKOL'SKAYA, Ye.A. [Nikol's'ka, O.O.]; ZAKORDONETS, L.A. [Zakerlonets', L.A.];  
LEBDEVA, T.S. [Lebiedeva, T.S.]; ARTEMCHUK, N.M.

Dynamics of the biosynthesis of microcide (glucose oxidase)  
on media with glucose and saccharose. Mikrobiol. zhur. 25  
no.5:36-42 '63 (MIRA 16:12)

1. Iz Instituta mikrobiologii AN UkrSSR.

ANDRIANOV, Vasil'y Vasil'yovich; ARTIMCHUK, P.L., red.; YERKHOVA,  
Ye.A. tekhn. red.

[Our friend Cuba] Nash drug Kuba. Moskva, In-t meshdunar.  
otnoshenii, 1963. 102 p. (MIRA 17t2)

ARTENCHUK, V. I.

ARTENCHUK, V. I. - "Procedure for Development of City-Construction Technical Economic Indexes." Min of Higher Education USSR, Kiev Engineering-Construction Inst, Kiev, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

ARTEMCHUK, Vsevolod Ivanovich, kandidat tekhnicheskikh nauk; KAS'YANOV, A.M.,  
kandidat arkhitektury, redaktor; ALEKSEANDROVSKIY, A., redaktor;  
IOAKIMIS, A., tekhnicheskii redaktor.

[Technological and economic indexes of city construction] Gradestroi-  
tel'nye tekhniko-ekonomicheskie pokazateli. Pod obshchei red. A.M.  
Kas'ianova, Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1956.  
207 p. (MIRA 10:6)

(Ukraine--City planning)  
(Ukraine--Municipal engineering)

GITEL'ZON, I.I.; BAKLANOV, O.O.; FIMONOV, V.S.; ARTEMKIN, A.S.;  
SHATOKHIN, V.F.

Bioluminescence as a hydroptic and biological factor in a  
sea. Trudy MOIP. Otd. biol. 21:147-155 '65. (MIRA 18:6)

LAVRUSHIN, V.F.; TSUKERMAN, S.V.; ARTEMENKO, A.I.

Synthesis of unsaturated ketones containing a furan ring.  
Zhur.ob.khim. 31 no.9:3037-3040 S '61. (HIRA 14:9)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.  
(Ketones) (Furan)



LAVRUSHIN, V.F.; TSUKERMAN, S.V.; ARTEMENKO, A.I.

Synthesis of nitro derivatives of  $\alpha,\beta$ -unsaturated ketones containing benzene and furan rings. Zhur.ob.khim. 32 no.4:1324-1329 Ap '62. (MIRA 15:4)

1. Khar'kovskiy gosudarstvennyy universitet.  
(Ketones) (Furan) (Nitro compounds)

LAVRUSHIN, V.F.; TSUKERMAN, B.V.; ARTEMENKO, A.I.

Absorption spectra and halochromy of furan analogs of chalcone  
and their vinyl analogs. Zhur.ob.khim. 32 no.8:2551-2556  
Ag '62. (MIRA 15:9)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.  
(Chalcone--Spectra) (Furan)

LAVRUSHIN, V.F.; TSUKERMAN, S.V.; ARTEMENKO, A.I.

Synthesis of nitro-furan analogs of methoxychalcones and their  
vinylogs. Zhur.ob.khim. 32 no.4:1329-1331 Ap '62.

(MIRA 15:4)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.  
(Chalcone) (Furan)

LAVRUSHIN, V.F.; TSUKERMAN, S.V.; ARTEMENKO, A.I.

Absorption spectra and halochromism of furan analogs of  
methoxychalcones and their vinyl analogs. Zhur.ob.khim.  
33 no.3:878-883 Mr '63. (MIRA 16:3)

1. Khar'kovskiy gosudarstvennyy universitet imeni  
A.M. Gor'kogo.

(Furan—Absorption spectra)  
(Chalcone) (Halochromism)

ARTEMENKO, A.I.; TSUKERMAN, S.V.; LAVRUSHIN, V.F.

Absorption spectra and halochromy of nitromethoxy and dinitro derivatives  
of furan analogs of chalcone and its vinyl analogs. Zhur.ob.khim. 34 no.2:  
487-492 P '64.  
(MIRA 17:3)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.

TSUKERMAN, S.V.; ARTEMENKO, A.I.; LAVRUSHIN, V.F.; ROZIN, Yu.S.

Infrared spectra of furan analogs of chalcone and their  
vinyl analogs. Zhur. ob. khim. 34 no.7:2309-2317 J1 '64  
(MIRA 17:8)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo  
i Institut organicheskoy khimii AN UkrSSR.

TSUKERMAN, S.V.; ARTEMENKO, A.I.; LAVRUSHIN, V.P.

Dipole moments of furan analogs of chalcens and their vinyl  
analogs. Zhur. ob. khim. 34 no.11:3591-3597 N '64 (MIRA 18:1)

1. Khar'kovskiy gosudarstvennyy universitet imeni Gor'kogo.

ACC NR: AP6029946

SOURCE CODE: UR/0413/66/000/015/0111/0111

INVENTOR: Artemenko, I. A.; Voytovich, I. D.; Kan, Ya. S.; Rakhshovskiy, V. A. 57  
B

ORG: none

TITLE: A counter based on cryotrons. Class 42, No. 184925 [announced by the Institute of Cybernetics, AN SSSR (Institut kibernetiki AN SSSR); Physicotechnical Institute, AN SSSR (Fizikotekhnicheskiy institut AN SSSR)]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 111

TOPIC TAGS: pulse counter, cryogenic circuit

ABSTRACT: A cryotron pulse counter consisting of a control, memory, starting, and an input circuit is described. The memory circuit (see Fig. 1) contains two cryotrons

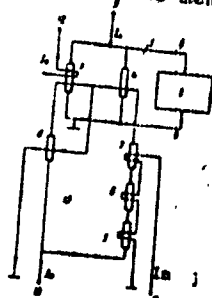


Fig. 1. A cryotron counter

1 - Memory circuit; 2 - cryotron generator; 3-8 - cryotrons; 9-12 - terminals; 13 - control circuit.

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UDC: 681.142.07



ACC NR: AP6029946

connected in parallel to the superconducting circuit containing the cryotron generator control coil and to the current source from the starter circuit. The control circuit has two parallel arms, each containing a control coil for the memory circuit cryotrons. One of these branches also includes a cryotron whose control coil is connected between a current source and the control circuit. The other branch consists of a group of cryotrons with a common control coil which serves as the counter input terminal. This arrangement achieves economy and assures that the counter is able to operate as an accumulator. Orig. art. has: 1 figure.

[8D]

SUB CODE: 09/ SUBM DATE: 25Mar64/ ATD PRESS: 5070

Card 2/2 blg

ACC NR: AP6031136

SOURCE CODE: UR/0438/86/028/004/0077/0079

ZUA-50

AUTHOR: Ovcharenko, O. I.; Teslikova, N. S.; Artemenko, O. I. --Artemenko, A. I.

248

ORG: Khar'kov Scientific Research Institute of Vaccines and Sera im Mechnikov (Kharkivs'kyy n-d instytut naklysyn ta syrovatok); Khar'kov Medical Institute (Kharkivs'kyy Medychnyy instytut)

TITLE: Antibacterial activity of alpha, and beta unsaturated ketones of the furanic series

SOURCE: Mikrobiologichnyy zhurnal, v. 28, no. 4, 1986, 77-79

TOPIC TAGS: ketone, chemical compound, microorganism, staphylococcus, tuberculosis, typhoid, microbe

ABSTRACT: The author studied the antibacterial effect of 47 chemical compounds belonging to alpha, and beta unsaturated ketones of the furanic series. Their activity varied with respect to the microorganisms investigated. The organisms most sensitive to these substances were Staphylococci, Listeria and tubercle bacilli, typhoid microbes, were less sensitive. (Based on authors' abstract) [GCI]

SUB CODE: 06, 07/ SUBM DATE: 29Mar55/ ORIG REF: 003/ OTH REF: 003/ Cord 1/1 as [W.A. 60]

L 07357-67 EWT(1) SCTR DD  
ACC NR AP6012174

SOURCE CODE: U1/0413/66/000/007/0107/0107

AUTHORS: Artemenko, A. I.; Danilevskiy, M. O.; Kocherga, V. M.; Mukhin, V. A.;  
Nikolenko, L. L.; Pilyunova, L. Ya.; Shevchenko, Yu. A.

ORG: none

37  
B

TITLE: Mining isolating lifesaver. Class 61, No. 160491 [announced by Central  
Scientific Research Laboratory for Mining Rescue Work (Tsentral'naya nauchno-  
issledovatel'skaya laboratoriya po gornospasatel'nomu delu)]

SOURCE: Izobreteniya, promyshlennyye obraboty, tovarnyye znaki, no. 7, 1966, 107

TOPIC TAGS: life support equipment, mining engineering, air

ABSTRACT: This Author Certificate presents a mining isolating lifesaver containing  
a rechargeable cartridge, a breathing tube, a breathing bag, and a case (see Fig. 1).  
To insure the automatic performance of the starting assembly when the lid of the  
case is removed and the liquid of the starting ampule is set in a directed motion,  
the lifesaver is provided with a starting briquet, a rubber ampule with an internal  
blade for cutting it open, a striker pressed into the arch of the ampule, a spring,  
fixing balls, and a hood connected elastically to the lid of the case. To diminish  
the decomposition of the reagent containing oxygen in the rechargeable cartridge  
during transportation and wearing of the lifesaver, the rechargeable cartridge may

Cord 1/2

UDC: 614.894.734

L 07357-67  
ACC NR: AP6012174

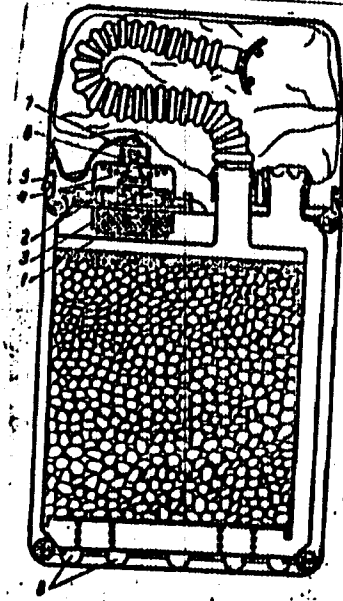


Fig. 1. 1 - starting  
briquet; 2 - rubber  
ampule; 3 - cutter;  
4 - striker; 5 - spring;  
6 - balls; 7 - hood;  
8 - shock absorber

be fixed within the case through shock absorbers. The latter are made in the form of hollow spheres of an elastic material and are placed on a common axis. Orig. art. has: 1 figure.

SUB CODE: 06,08/ SUBM DATE: 04Sep64  
Card 2/2 sfs

~~ARTEMENKO, A.K.~~; MALYUGIN, T.T. [Maliuhin, T.T.]; TOLCHIN, B.P. [Tolchnev,  
B.P.]; TYUKOV, S.Yu.; SHLYAKHANOVA, L.D.; SOLKHATOV, A.G., red.;  
TOKAR, L.O., red.; DERNV'YANKO, G.S., tekhn.red.

[Forestry and shelterbelt afforestation] Institutstvo i polesakhyane  
lisorosvedeniya. Za red. A.N. Soldatova. Kiev, Dersh. vyd-vo  
sil's'kohospodars'koi lit-ry URSS, 1956. 399 p. (MIRA 12:3)  
(Windbreaks, shelterbelts, etc.)

ANISHCHENKO, V.F.; ARTEMENKO, A.N.; KAUKINA, N.P.

Use of feldspar concentrates for glassmaking. Stek. i ker. 19  
no.3:40-41 Mr '62. (MIRA 15:3)  
(Glass manufacture) (Feldspar)

ARTEMENKO, A.P.

Obshchiy vid lineynogo funktsionala v prostranstve funktsiy ogranichennoy variatsii. Matem. SB., 6 (48), (1939), 215-220. O pozitivnykh lineynykh funktsionalakh v prostranstve pochtii periodicheskikh funktsiy H. Bohr'a Khark., zap. matem. T-Va (4), 16 (1940), 111-114.

So: Mathematics in the USSR, 1917-1947  
edited by Kurosh, A.G.,  
Markushevich, A.K.,  
Rashevskiy, P.K.  
Moscow-Leningrad

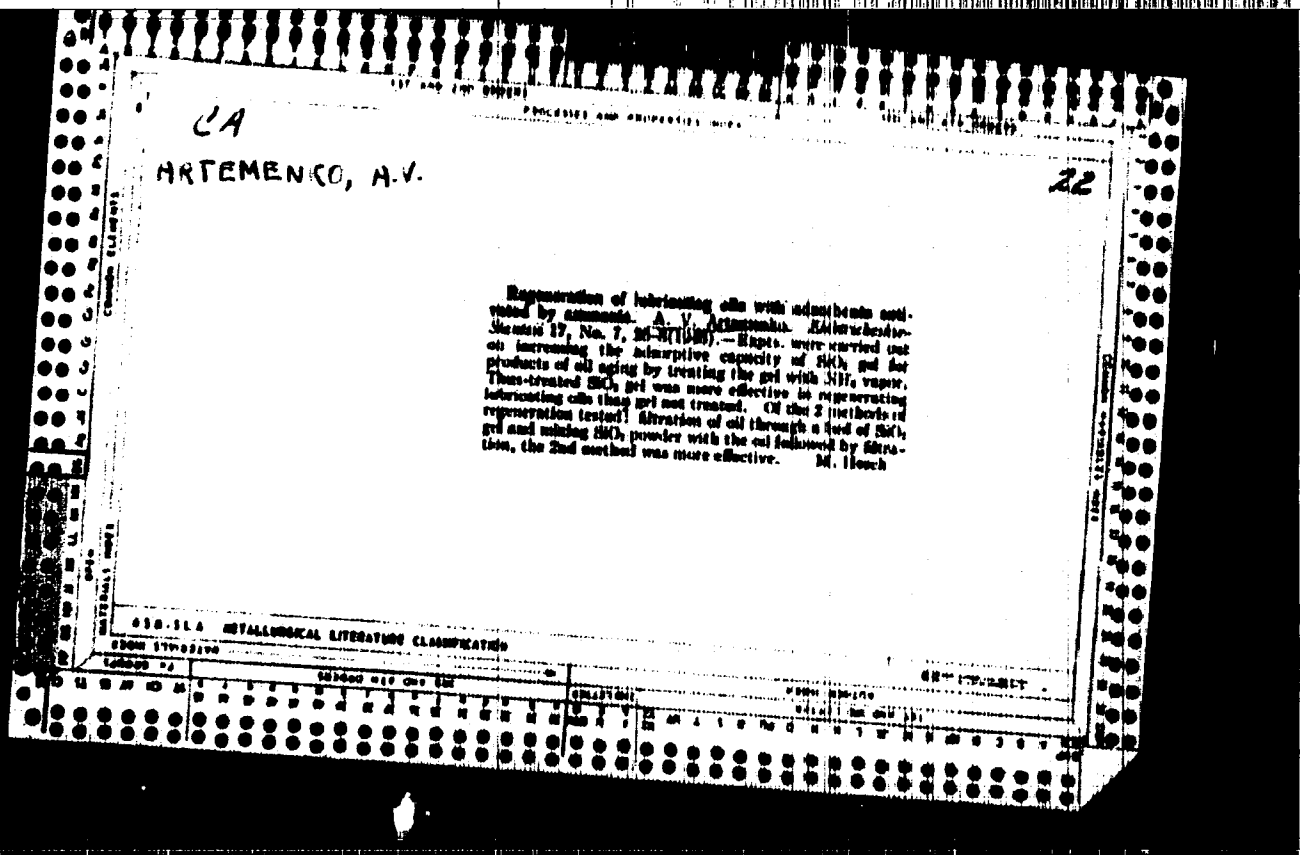
ARTEMENKO, A.P., prepodavatel'

Rise in the cultural and technical standard of the Soviet working class is an indispensable condition for technological progress. Trudy Khar'.ishh.-ekon.inst. 8:25-43 '57.

(Russia-Economic conditions)  
(Labor and laboring classes)

(MIRA 12:6)





ARTEMENKO, D.P.; SHUBA, M.P.

Methodology for studying the electric properties of nerve and muscle fibers by means of surface extracellular electrodes. Fiziol. zhur. [Ukr.] 10 no.3:403-407 My-Je '64. (NIRA 18:9)

1. Laboratoriya elektrofiziologii Instituta fiziologii im. Bogomol'tsa AN UkrSSR, Kiyev.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4, 15-57-4-4042D  
p 2 (USSR)

AUTHOR: Artemenko, D. T.

TITLE: Contributions of Russian and Soviet Scientists to the  
Science of Geomagnetism (Vklad russkikh i sovetskikh  
uchenykh v nauku o geomagnetizme)

ABSTRACT: Bibliographic entry on the author's dissertation for  
the degree of Candidate of Physical and Mathematical  
Sciences, presented to Mosk. obl. ped. in-t (Moscow  
Regional Pedagogical Institute), Moscow, 1956.

ASSOCIATION: Mosk. obl. ped. in-t (Moscow Regional Pedagogical  
Institute)

Card 1/1

S/169/62/000/006/066/093  
D228/D304

AUTHOR: Artemenko, D. T.

TITLE: Umov's works on terrestrial magnetism

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 1-2, abstract 6G8 (V sb. Vopr. istorii fiz. i yeye prepodavaniya, Tambov, 1961, 105-109)

TEXT: The contents of N. A. Umov's two famous works on terrestrial magnetism are briefly stated. The author determined by N. A. Umov's method the poles / Abstracter's note: Russian 'polosy' presumably a misprint of 'polyusy' / of spherical first-order functions for the epochs 1922 and 1945 and those of spherical second-order functions for the epochs 1600, 1700, 1780, 1829, 1885, 1922 and 1945. The routs of the poles of the first and second order functions in the period 1550-1945 are described. It is concluded that secular variations are mainly caused by changes in the world anomalies. / Abstracter's note: Complete translation. /

Card 1/1

ARTeMENKO, G.

Artemenko, G. "The vegetation of udzhukskiy lagoon and its role in the formation of ~~HEALTHY~~ medical mud," Sbornik nauch. rabot studentov (Rost. n/D gos. un-t im. Molotova), Issue 1, 1949, p. 99-102

SO: U-3566, 15 March 53 ("stopás 'Zhurnal 'nykh Staty, No. 14, 1949)

ARTEMENKO, Gennadiy Ivanovich

[Perennial vegetables] Smetnadovels herodnins. Minsk, Dzierzhynsk  
vyd-va BSSR, 1956. 106 p.  
(Vegetable gardening) (MIRA 10:11)

USSR/Cultivated Plants. Potatoes. Vegetables. Melons

M-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1601

Author : G.I. Artamenko

Inst : Not Given

Title : Tomatoes of the Talalikhin 186 Variety

Orig Pub : Sad i ogorod, 1957, No 1, 36

Abstract : The Talalikhin 186 variety tomato was gotten at the Fruit and Vegetable Testing Station in Belorussia by crossing the Opoltchenets x Planovyy varieties with subsequent raising and applying individual selection. In 1954, the variety was allocated to rayons of the Belorussian SSR and in certain oblasts of the Ukraine.

Card : 1/1

GROUP: USSR  
 CATEGORY: Cultivation Plants, Potatoes, Vegetables, B  
 Distribution  
 No. 1, 1959 No. 1673  
 AUTHOR: Artemenko, G.N.  
 TITLE: Tomatoes of the Far East, 165 Varieties.

DATE PUB.: 1959, No. 1, 1959, No. 16, 26

ABSTRACT: No abstract.

1/1

ARTEMENKO, G.N.  
 EXCERPTA METEOR.



Artemenko, G. N.

EXCERPTA MEDICA Sec.2 Vol.11/5 Physiology, etc. May 58

2319. PHARMACOLOGY OF 2-CHROMONECARBOXYLIC ACID ('ATREMON')  
(Russian text) - Artemenko G. N. - FARMAKOL. I TOKSIKOL. 1957,  
20/5 (50-54) Graphs 2

The above-named compound antagonizes convulsions evoked by strychnine, camphor, nicotine, nikethamide, arecoline or electroshock. In therapeutic doses, it has no influence on the cardiovascular system, respiration or cholinergic and adrenergic nerve endings. No destructive effect of prolonged administration on the histological structure of organs of rats and rabbits was found. Kokot - Bytom

ARTEMENKO, G.N.

Relation of the chemical structure to the pharmacological activity of  
chromone derivatives. Farm. i tekhn. 21 no.6:30-37 M-d '58. (MIRA 12:1)

1. Laboratoriya obshchey farmakologii (sav. - deystvitel'nyy chlen ANU  
SSSR prof. V.V. Zakusov) Instituta farmakologii i khimioterapii ANU  
SSSR.

(MUSCLE RELAXANTS,  
chromone deriv. (Rus))

(PYRAM. CHROMONE  
chromone deriv., spasmolytic eff. (Rus))

ARTEMENKO, G. N. Cand Med Sci -- (diss) "Antispasmodic properties of certain  
chromone derivatives." Mos, 1969. 7 pp (Acad Med Sci USSR.), 260 copies  
(KL, 52-59, 124)

-114-

ARTEMENKO, G.H.; KAVERINA, N.V.

Chloracon -- an anti-epileptic drug. Med. prom. 15 no.12:57 D 161.  
(MIRA 15:2)

1. Institut farmakologii i khimioterapii AMN SSSR.  
(ANTICONSULSANTS)



ARTEMENKO, G.N.; VYSOTSKAYA, N.B.

Effect of phenacon on the content of potassium and sodium ions  
and of acetylcholine in the brain. *Farm. i toks.* 28 no.1:27-30  
Ja-F '65. (MIRA 18:12)

1. Laboratoriya farmakologii nervnoy sistemy (nav. - deystvitel'nyy  
chlen AMN SSSR prof. V.V.Zakusov) Instituta farmakologii i khimio-  
terapii AMN SSSR, Moskva. Submitted December 6, 1963.

ARTEMENKO, G. P.

ARTEMENKO, G. P. -- "Requirement of Rice for Nitrogen in Connection with Phasic Development." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M.V. Lomonosov, Kuban' Agricultural Inst, Krasnodar, 1955. (Dissertations for the Degree of Candidate in Biological Sciences)

SO: Krishnaya Letopis', No. 39, 24 Sept 55

ARTEMENKO, G.P.[Artemenko, H.P.]; VORONINA, O.F.; SEMEYKIN, M.S.;  
FILONICH, V.S.[Filonych, V.S.]; NOSACH, I.P.; CHULKOY,  
T.G.[Chulkov, T.H.]; TENENBAUM, A.B.KIFORENKO, I.S.  
[Kyforenko, I.S.], red.; LEVCHENKO, O.K., tekhn. red.

[Work incentives in the period of the large-scale building  
of communism] Stymulivannia pratsi v period rozhornutoho  
budivnytstva komunizmu. Kyiv, Derzhpolityvdav URSR, 1964.  
166 p.  
(MIRA 1743)

1. Sotrudniki kafedry politicheskoy ekonomii Kharkovskogo  
inzhenerno-ekonomicheskogo instituta (for all except  
Kiforenko, Levchenko).



ARTEMENKO, G. Ye.: Master Med Sci (diss) -- "The sanitary-hygienic working conditions and rate of disease among women working in the iron- and steel-casting departments of the Khar'kov Tractor Factory". Khar'kov, 1958. 12 pp (Khar'kov Med Inst), 200 copies (KL, No 4, 1959, 130)

ARTEMENKO, G. Ya. (Khar'kov)

Work of women in foundry shops in machinery manufacture.  
Gig.truda i prof. sab. 2 no.5:30-34 8-0 '58 (MIRA 11:11)

1. Ukrainskiy institut gigiyeny truda i profsovolevaniy.  
(FOUNDING---HYGIENIC ASPECTS)  
(WOMEN---EMPLOYMENT)

Creative collaboration of scientific and industrial workers Moscow. Gospolitizdat, 1950.  
87 p. DS

1. Science 2. Industry.

BELOUSENKO, G.; UGLYANITSA, G.; ARTEMENKO, I.

Business accounting within individual production units and  
monetary wages on collective farms. Den. i kred. 21 no. 4:22-29  
Ap '63. (MIRA 16:4)

1. Starshiy ekonomist Rostovskoy kontory Gosbanka (for Belousenko).
2. Nachal'nik otdela kreditovaniya kolxozov Stavropol'skoy  
krayevoy kontory Gosbanka (for Uglyanitsa).
3. Starshiy  
ekonomist Stavropol'skoy kravevoy kontory Gosbanka (for  
Artemenko).

(Collective farms--Finance)  
(Collective farms--Income distribution)

ARTEMENKO, I.

Made by our comrade. Posh. delo 9 no.10:25 0 '63. (MIRA 16:12)

UGLYANITSA, G.; ARTEMENKO, I.

From the practice of bank work with intercollective farm organizations.  
Den. i kred. 21 no.10:52-56 O '63. (MIRA 16:10)

1. Nachal'nik otдела kreditovaniya kolxozov Stavropol'skoy krayevoy kontory Gosbanka (for Uglyanitsa).

UGLYANITSA, G.; ARTEMENKO, I.

Bank's aid to collective farms. Den. i kred. 21 no.11:76-77  
N '63. (MIRA 17:2)

1. Nachal'nik otдела kreditovaniya kolkhozov Stavropol'skoy  
kontory Gosbanka (for Uglyanitsa). 2. Starshiy ekonomist  
Stavropol'skoy kontory Gosbanka (for Artemenko).

STOLYAROVA, Z.; UGLYANITSA, G.; ARTYEMENKO, I., staryshiy ekonomist

From the work practices of main State Bank branches. Dem. 1  
kred. 20 no.12:42-45 D '62. (MIRA 16:1)

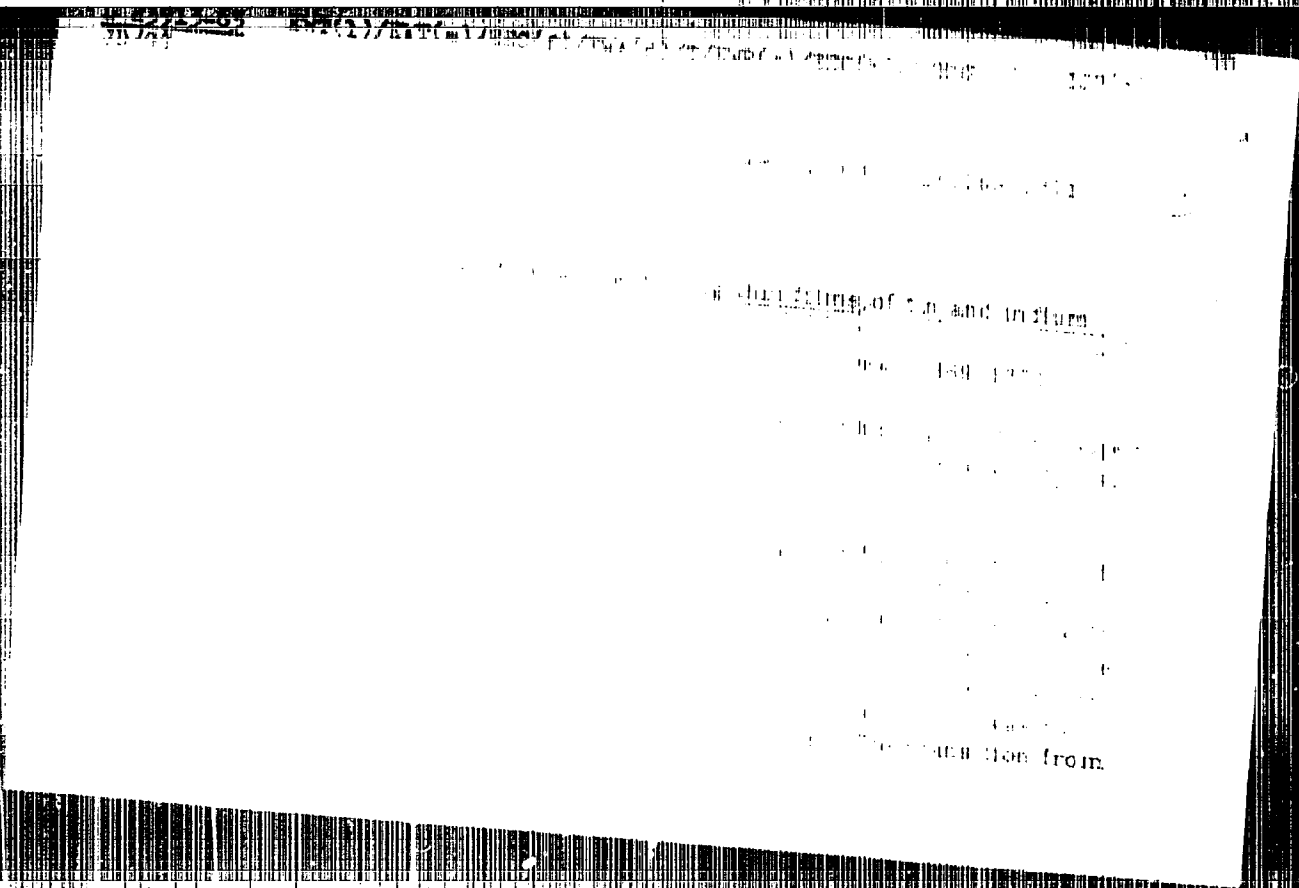
1. Zamestitel' upravlyayushchego Alekseyevskim golovnym  
otdeleniyem Gosbanka Belgorodskoy oblasti (for Stolyarova).
2. Nachal'nik otдела kreditovaniya kolxosov Stavropol'skoy  
kontory Gosbanka (for Uglyanitsa).

(Banks and banking) (Agriculture—Finance)



ASTMENKO, I., Irsh. (Pozkovskaya oblast')

Delay line using cold-cathode thyratrons. Patent no. 9:47 S '65.  
(MIRA 19:1)



... more than 0.01 degrees ... sharp margin, the transition  
... indicated that the Indian ...  
... the ...

... S. GP

Card 2

"APPROVED FOR RELEASE: 09/24/2001

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APPROVED FOR RELEASE: 09/24/2001

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CIA-RDP86-00513R000102220006-8"

L 3910-66 EWT(1)  
ACCESSION NR: AP5024134

AUTHOR: Artemenko, I. A.; Kan, Ya. S.; Rabukhin, L. B. <sup>4455</sup> UR/0186/86/010/009/1034/1036

TITLE: Static characteristics of cryotrons

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 9, 1966, 1035-1036 <sup>21, 44, 55</sup>

TOPIC TAGS: cryotron, superconductivity

ABSTRACT: This note presents the results of the experimental determination of transfer characteristics of a thin unscreened cruciform cryotron shown in Fig. 1 of the Enclosure. Curve 1 is obtained following the usual potentiometric method during a constant  $10^{-6}$  V voltage across the valve; curve 2 is obtained by the current method of small resistance measurements with a constant minimum resistance of  $R_{min} = (1.0 \pm 0.01) \cdot 10^{-9}$  ohm. Results show that the small slope of the characteristics for small valve currents is caused by the particular method of measurement only. The second method for the determination of characteristics is the more accurate one. Orig. art. has: 1 figure.

ASSOCIATION: Instytut kibernetiky AN URSS, Kiev (Institute of Cybernetics, AN Ukr. SSR); Fizyko-tekhnichnyy instytut AN URSS, Khar'kov (Physics and Engineering Institute, AN Ukr. SSR) <sup>44, 55</sup>

Card 1/3



L 3910-66

ACCESSION NR: AP5024134

SUBMITTED: 09Jun65

NO REF SOV: 004

ENCL: 01

OTHER: 000

SUB CODE: EE, TD

Czrd 2/3

L 3910-66  
ACCESSION NR: AP5024134

ENCLOSURE: 01

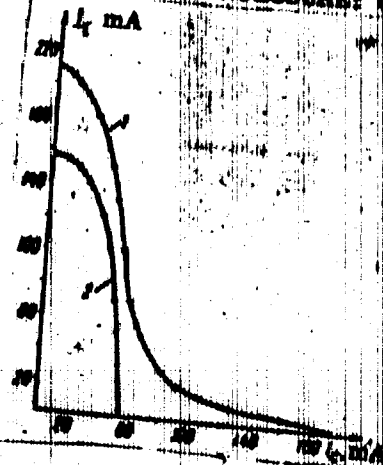


Figure 1. Valve current versus control grid current in a cryotron. Sn valve 3 mm wide, 5000 Å thick, control grid 0.16 mm wide, and 1000 Å thick. SiO insulation layer 7500 Å thick, critical temperature of the Sn membrane 3.8K; working temperature 3.69K.

Card *Ch*  
373

ARTEMENKO, I.A.; BELICHENKO, K.D.

Method of determining the pressure of rock on supports. Gor. zhur.  
no.5:75 My '65.  
(MIRA 18:5)

ARTEMENKO, I.A., kand.tekhn.nauk

Checking the work of rod bolting. Besop.truda v prom. 6 no.4:  
4-6 Ap '62. (MIRA 15:5)

(Mine roof bolting---Testing)