"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

9 (2), 28 (1, 2) SOV/115-59-10-17/29

AUTHOR: Mikhatskiy, Yu.V.

TITLE: The Cascade Reflex Voltmeter

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 10, pp 40-41 (USSR)

ABSTRACT: The author describes a cascade reflex voltmeter which has an input resistance of 10^{11} - 10^{12} ohm. The input resistance of a reflex circuit is determined by the grid current of the tube. The basic components of the grid current of input amplifying tubes are the electronic and ionic components, the thermoelectronic grid current and the conduction current. The curve of the total grid current is shown in Fig 2. The special feature of the reflex circuit is its working at large negative biases, in which case the grid current also has the negative sign. Thus the ionic and thermoelectronic grid currents are the most important in the tube. The thermoelectronic current can be substantially reduced by lowering the filament voltage. The amount of the ionic current for a given tube depends on anode curr-

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SOV/115-59-10-17/29

The Cascade Reflex Voltmeter

ent and voltage, the decrease of the latter causing the decrease of the former. When the anode voltage is reduced, the grid current is also reduced. With 6 -9 volt voltage, the ionization ceases. In the cascade reflex voltmeter (Fig 3) the grid current of the first tube is considerably reduced by the reduction of the anode current of the tube, obtained by cutting-in in the cathode chain of a large resistance R_{k1}. Experiments showed that in a 6S1Zh tube the grid current was reduced to the value 10^{-12} amp when R_{k1} was equal to 45 megaohms and the filament voltage was lowered to 4 v. The R_{k1} resistance is the grid resistance for the second tube and must comply with the conditions of grid current of this tube. The R_{k2} resistance must be of small value sufficient for cutting-in in the cathode of the second tube of the indicating device. On the basis of the reflex voltmeter a model of a pulse voltmeter was constructed (Fig 4) and its data are given in the article. There are 3 diagrams, 1 graph and 2 Soviet references.

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHATSKIY, Yu. V.

L 27797-65 EWT(d)/EWT(1)/EEC(k)-2/EEC-4/EWA(h) Po-4/Pq-4/Pg-4/Peb/Pi-4/Pk-4/Pl-4

ACCESSION NR: AP5004930 S/0286/65/000/002/0025/0026

45
B

AUTHORS: Kuleshov, Yu. G.; Mikhatskiy, Yu. V.

TITLE: Method for measuring lag time. Class 21, No. 167544

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 2, 1965, 25-26

TOPIC TAGS: delay line, frequency generation

ABSTRACT: This Author Certificate presents a method for measuring pulse delay with high frequency charge obtained from continuous sinusoidal oscillations in the delay line. The method is based on determining frequency changes in the pulse circulation in a closed system generated by inserting the lag line in the circuit (see Fig. 1 on the Enclosure). To improve the measurement accuracy the period of circulation is regulated up to a multiple period of the high-frequency charge. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 02Nov63 ENCL: 01 SUB CODE: EE

NO REF SOV: 000 OTHER: 000

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 27797-65

ACCESSION NR: AP5004930

ENCLOSURE: 01

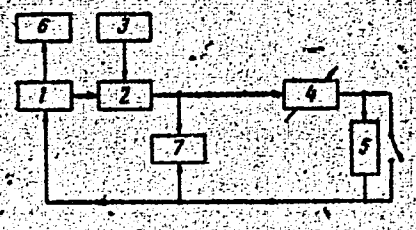


Fig. 1. 1- generator, compensating videopulse; 2- switching device; 3- sinusoidal oscillation generator; 4- calibrated variable lag line; 6- frequency meter; 7- multiplicity indicator

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

ANDONE, G.; PASHKOVSKIY, S.; Prinimali uchastiye: BARBOS, V., nablyudatel'; MIKHAY, M., nablyudatel'; POPA, Sh. [Popa, S.], nablyudatel'

Wintering of water birds and some other birds in the Danube Delta in 1958-1959. Migr. zhiv. no.3:118-125 '62. (MIRA 16:2)

1. Lesnoy nauchno-issledovatel'skiy institut Rumynskoy Narodnoy Respubliki.
(Danube Delta--Birds in winter)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SOV/124-58-3-3442

Translation from: Referativnyy zhurnal Mekhanika, 1958 Nr 3 p 123 (USSR)

AUTHOR: Mikhay, P. Yon

TITLE: Cracking Resistance and Carrying Capacity of Reinforced Concrete Structures Operating Under Bending Loads and Employing Standard and Prestressed Reinforcing Bars (Treshchinoustoychivost' i nesushchaya sposobnost' izgibayemykh armobetonnykh konstruktsiy s obychnoy i predvaritel'no natyanutoy armaturoy)

PERIODICAL: V sb : Khar kovsk obl. nauchno-tekhn soveshchaniye po zhelezobetonnym konstruktsiyam 13-15 dek. 1954 g Khar'kov 1956 pp 61-73

ABSTRACT: Instantaneous phenomena peculiar to the formation of cracks are investigated together with losses of carrying capacity in members made of (lightly) reinforced concrete. The effect of preliminary compression and the expediency of employment of high-strength materials are analyzed. The concept of a transient deformation curve which allows for after-effect (creep) deformation provides a connection between stresses and strains occurring during bending It is concluded that the carrying capacity which is strongly influenced by the employment of

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SOV 124-58-3-3442

Cracking Resistance and Carrying Capacity (cont.)

better grades of concrete, is affected to a considerable degree by the tension zone in the concrete. The resistance to cracking of reinforced concrete structures is enhanced by preliminary compression.

I. I. Ulitskiy

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAY, U. Ya.

AUTHOR: Sukhov, A. I., Docent SOV/154-58-2-15/22

TITLE: Chronicle (Khronika) III

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 2, pp 110-111 (USSR)

ABSTRACT: This is a report on the deliberations held from April 23 to 28 by the engineers and department heads of the technical supervision of geodetical activities of the Central Administration of Geodesy and Cartography of the MVD SSSR (Department of the Interior of the USSR). Opening speech and report by the Head of GUGK (Main Administration of Geodesy and Cartography), S. G. Sudakov: "On the New Tasks of the GUGK With Respect to the Perfecting of Topographical and Geodetic Work of Importance to the National Economy, Such as the Analysis of the Accuracy of Measurements in Triangulations of the 2nd and 3rd Classes, and the Application of Optical Range Finders in Geodetic Work." I. S. Uspenskiy, Candidate of Technical Sciences, reported on: "Some Results of the Study of Centers and Bearing Points Within the Territory of the USSR." Engineer P. I. Darnev: "New Geodetical Instruments for Topographical Photographs." Engineer S. G. Gavrilov: "The Technical Planning of New Geodetical and

Card 1/3

Topographic Surveys." Engineer B. V. Troitskiy: "Marking Points for the Preparation of Surveys." Engineer I. V. Krylov: "Analytical Methods for the Determination of Bench and Height Marks." Engineer S. I. Turov: "On the Overall Preparations for Aerial Photographs." B. D. Zaprudov: "The Checking of Stereotopographical Surveys in the AGP-Moscow." N. D. Konshin, Professor, Doctor of Technical Sciences: "The Use of Elements of Outer Orientation in the Photometrical Preparation of Aerial Photographs and Improvements in the Accuracy of Stereoscopic Measurements." G. A. Krasheninikov, Candidate of Technical Sciences: "Some Remarks on the Drobyshev-Stereograph." U. Ya. Mikhay, Candidate of Technical Sciences: "On Improving the Photographic Quality of Aerial Photos." Engineer Kashin: "Camera Work in Field-Partitioning in the Severo-Kavkaz-AGP." G. S. Dyakov: "On the Present State of Technical Instructions for Geodetic Work." Furthermore the meeting dealt with the envisaged rationalization of the new geographic-geodetic technique (GUGK 1957). Lively discussions followed the lectures. On April 28 the head engineers of the AGP and the collaborators of the MIIGA i K (Moscow Engineering Institute of Geodesy, Aerophotography, and Cartography) discussed some questions relating

Card 2/3

to the work at the Institutes of Geodesy (Lecture by F. S. Zakatov, Professor, Doctor of Technical Sciences).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 15270-65 EWT(m)/EWP(t)/EWP(b) IJP(c)/AFWL/ASD(a)-5/SSD/AS(mp)-2/ESD(t) JD

ACCESSION NR: AP4048437 S/0181/64/006/011/3479/3481

AUTHORS: Dakhovskiy, I. V.; Mikhay, Ye. F.

TITLE: Calculation of the anisotropy parameter in n-Si

SOURCE: Fizika tverdogo tela, v. 6, no. 11, 1964, 3479-3481

TOPIC TAGS: silicon, carrier mobility, anisotropy, carrier density, galvanomagnetic effect, thermomagnetic effect

ABSTRACT: This is similar to an earlier calculation by one of the authors (Dakhovskiy, FTT v. 5, 2332, 1963) of the anisotropy parameter for n-Ge. Comparison with the experimental results of L. J. Neuringer and H. Y. I. Little (Rept. Internat. Conf. Phys. Semiconductors, Exter, London, 1962; Inst. Phys. and Phys. Soc., 614, 1962) shows good agreement. It is noted that the value of the anisotropy coefficient enters into expressions for the galvanomagnetic and thermomagnetic coefficients, and therefore its exact theoretical

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 15270-65
ACCESSION NR: AP4048437

2

value may be quite useful for calculations of the latter. "The authors thank Professor A. G. Samoylovich for suggesting the subject, valuable advice, and a discussion of the results." Orig. art. has: 1 figure, 2 formulas, and 1 table.

ASSOCIATION: Chernovitskiy gosudarstvenny*y universitet (Chernovtsy State University)

SUBMITTED: 18Jun64 ENCL: 00

SUB CODE: SS, EM NR REF SOV: 002 OTHER: 003

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

ACC NR: AP7001854 SOURCE CODE: UR/0430/66/019/005/0053/0062

AUTHOR: Mikayelyan, G. Z.

ORG: Yerevan Polytechnic Institute (Yerevanskiy politekhnicheskiy institut im. K. Marksa)

TITLE: Stability of a multilayer orthotropic circular cylindrical shell

SOURCE: AN ArmSSR. Izvestiya. Mekhanika, v. 19, no. 5, 1966, 53-62

TOPIC TAGS: cylindrical shell, multilayer shell, shell stability, orthotropic multilayer shell, shell buckling, multilayer shell buckling

ABSTRACT:

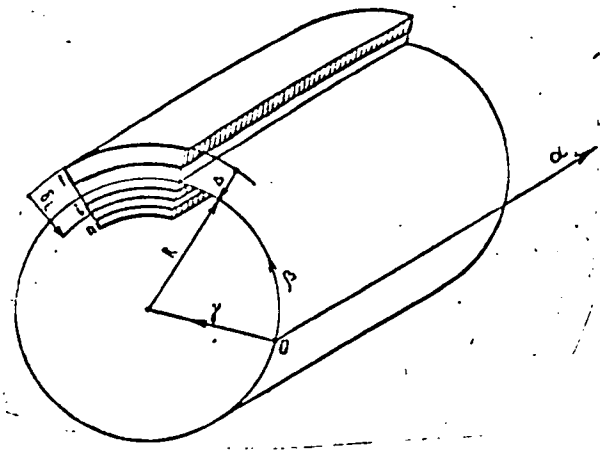
The stability of the state of initial equilibrium of a multilayer circular cylindrical shell (shown in the figure) is discussed, assuming the presence of bending stresses in the state of stress of the shell prior to buckling. The effects of the location of the load applied to the faces of the shell, and the properties and arrangement of layers on the magnitude of the buckling force are investigated. The analysis is based on the theory of anisotropic

Card 1/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

ACC NR: AP7001854



layered shells developed by S. A. Ambartsumyan (Teoriya anizotropnykh obolechek, Fizmatgiz, Moskva, 1961), under the assumptions that the planes of elastic symmetry of material in each layer are perpendicular to coordinate lines, α, β, γ, that the hypothesis of nondeformable normals is valid for the whole pack of the shell, and that the shell is subject to compressive forces uniformly distributed along the face edges of the coordinate surface at a distance Δ from the outer surface of the shell. The stability equation in variations is derived by examining two states of equilibrium: at the instant of buckling, and the subsequent postbuckling state. The buckling force is determined for a particular case when the edges of the shell (along the coordinate surface) are hinged to perfectly rigid frames. The Ritz method is used in determining the expressions for the normal displacements and stress function, and the

Card 2/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

ACC NR: AP7001854

Bubnov-Galerkin method—for deriving the formula for the buckling force, from which such a formula is deduced for a membrane-stress state in the shell prior to buckling. An expression for the relative difference f between these two values of the buckling force is also derived, and shows the effects of the number of half-waves in the axial direction, of full circumferential waves, of the location of the load, and of the physicomechanical characteristics of the layers. The variation in f is illustrated by sample calculations. The effect of the rigidity of the supporting end frames on the magnitude of the buckling force is also pointed out. Orig art. has: 1 figure and 19 formulas.

SUB CODE: 20/ SUBM DATE: 04Jan66/ ORIG REF: 006/ ATD PRESS: 5111

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYELYAN, S.Sh.

Combined error and its experimental determination in machining nonrigid shafts. Sbor. nauch. trud. EPI 22: 103-110 '64. (MIRA 18:12)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KOMAR, A.P., MIKHAYEV, G.F., FOMINENKO, V.P., CHERNOV, N.N.

New methods for investigating the process of injection of electrons into the betatron. Zhur. tekh. fiz. 30 no.7:855-859 Jl '60. (MIRA 13:8)

1. Fiziko-tekhnicheskiy institut AN SSSR, Leningrad. (Betatron)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

[illegible], [illegible] Ya., [illegible], [illegible]., kand.tekhn. nauk, retsenzent;
[illegible], V[illegible] inzh., red.; MATYASH, B.[illegible], inzh., red.;
[illegible], [illegible], inzh., red.; MIKHAYEV, [illegible], red.

[Reference manual on [illegible] materials [illegible] spravochn[illegible] [illegible] stroitel'nym materialam. [illegible], Kuibyshevskoe knizhnoe izd-vo, 196[illegible]. [illegible] p. [illegible] 17:[illegible]

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

[illegible] Vi[illegible] [illegible]nov, [illegible]; [illegible], Yevgeniy Viktorovich; [illegible]; MIKHAILOV, N.I., red.

[Increasing the productivity and improving the quality of surfaces subjected to printing] Povyshenie proizvoditel'nosti i ulushshenie kachestva poverkhnosti pri [illegible]. Kuibyshev, Kuibyshevskoe [illegible], [illegible]. [illegible] p.

[illegible]

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KIRPICHENKO, M.Ya.; MIKHAYEV, V.P.; SHTERN, Ye.P.

Fight against dreissena polymorpha pallas in hydroelectric power stations. Elek. sta. 33 no.5:30-31 My '62. (MIRA 15:7)
(Hydroelectric Power Stations—Water supply)
(Lamellibranchiata)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYEV, V.S.; MARKOVICH, K.P.; FRIDMAN, Z.G.

Heat resistance, creep, and the thermal stability of the AT-3 alloy. Titan i ego splavy no.10:214-217 '63. (MIRA 7:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYEV, Vadim Vladimirovich.

[Nervous diseases; textbook for medical students in stomatologic institutes] Nervnye bolezni; uchebnik dlia studentov med. stomatologicheskikh in-tov. Moskva, Medgiz, 1954. 430 p. (MIRA 7:12)
(Nervous system--Diseases)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

YEVDOKIMOV, A.; YEFIMOVSKIY, V.; MIKHAYEVICH, N.A., redaktor; SHEVCHENKO, M.G., tekhnicheskiy redaktor

[Economics of a diversified collective farm] Ekonomika mnogootraslevogo kolkhoza. [Khar'kov] Khar'kovskoe obl.izd-vo, 1955. 81 p. (Collective farms) (MLRA 10:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

TITOV, V.N.; MIKHAYEVICH, N.A., red.; LIMANOVA, M.I., tekhnicheskiy red.

[Kharkov region on the eve of the fortieth anniversary of the Great October Revolution] Khar'kovshchina nakanune sorokaletiia Velikogo Oktiabria; materialy v pomoshch' propagandistam i agitatoram. [Khar'kov] Khar'kovskoe obl.izd-vo, 1957. 89 p. (MIRA 11:4)

1. Sekretar' Khar'kovskogo obkoma Kommunisticheskoy partii Ukrainy (for Titov)

(Kharkov Province--Economic conditions)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLIK, Aleksey Fedoseyevich, dotsent; MIKHAYEVICH, N.A., red.; SHEVCHENKO, M.G., tekhn.red.

[Kharkov is 300 years old; a brief account of its history and economy]. Khar'kovu 300 let; kratkii istoriko-ekonomicheskii ocherk. Khar'kovskoe obl. izd-vo, 1958. 157 p. (MIRA 12:2)
(Kharkov--Description)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYEVICH, M.A. [Mikhaievych, M.A.]; TENTSER, Ya.Z. [translator]; KAL'NITSKIY, R.Ya. [Kal'nyts'kyi, R.IA.], red.; LIMANOVA, M.I., tekhn.red.

Kharkiv; putivnyk. Kharkov; guidebook. Kharkiv, Kharkivs'ke obl.vyd-vo, 1958. 189 p. (MIRA 13:1)
(Kharkov--Guidebook)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLA, M.; SINUSHAS, A.; HEL'SKIS, V., mekhanik; BAL'TRUSHAYTENE, B., kontrol'nyy master.

Advanced methods used in manufacturing asbestos slate. Stroi.mat. 3 no.11:14-16 N '57. (MIRA 10:12)

1.Daugelyayskiy kombinat stroitel'nykh materialov. 2. Glavnyy inzhener Daugelyayskogo kombinata stroitel'nykh materialov (for Mikhayla). 3.Nachal'nik shifernogo tsekha Daugelyayskogo kombinata stroitel'nykh materialov (for (Sinushas).
(Daugeliali--Asbestos cement)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLANTS, O. A.

Mikhaylants, O. A. -- "Peculiarities of Drying Articles of Construction Ceramics From Salted Clay From Kazakhstan." Cand Tech Sci, Inst of Metallurgy and Ore Dressing, Acad Sci Kazakh SSR, Alma-Ata 1953. (Referativnyy Zhurnal--Khimiya, No 1, Jan 54)

So: SUM 168, 22 July 1954

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLAVA, R.

Neighbours. Rab.i sial.33 no.1:3-4 Ja '57. (MLRA 10:2)
(Collective farms)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLAVA-LUKASHOVA, V.D.

Disorder of neurodynamic functions in epileptic patients between two paroxysms. Vestsi AN BSSR. Ser. biial. nav. no.4:129-138 '56.
(EPILEPSY) (MLRA 10:6)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLAVA-LUKASHOVA, V.D.

Some preliminary data on changes in the electrocardiograms of epileptics during intervals between the attacks. Vestsi AN BSSR. Ser. biial. nav. no.1:129-136 '57. (MIRA 10:6)
(EPILEPSY) (ELECTROCARDIOGRAPHY)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KEL'MAN, Faina Natanovna; BRUTSKUS, Yelena Borisovna; OSHEROVICH, Rakhil' Khaymovna. Prinimali uchastiye: GERBURT, Ye.V.; MIKHAYL'CHUK, B.V.; SHPAK, Ye.G., tekhn. red.

[Methods of analysis in the control of the production of sulfuric acid and phosphorous fertilizers] Metody analiza pri kontrole proizvodstva sernoi kisloty i fosfornykh udobrenii. Moskva, Goskhimizdat, 1963. 351 p. (MIRA 17:2)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A.

Concrete placer. Stroitel' 9 no.10:11 O '63. (MIRA 16:11)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A., nauchnyy sotrudnik

Diseases of pulse crops in the Maritime Territory. Zashch. rast. ot vred. i bol. 10 no.2:41-43 '65. (MIRA 18:4)

1. Dal'nevostochnaya stantsiya Vsesoyuznogo instituta zashchity rasteniy.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A.A.

Making up for neglect in sugar factory repair. Sakh.prom. 27 no.7:1-3 Jl '53. (MLRA 6:6)

1. Glavnoye upravleniye sakharnoy promyshlennosti. (Sugar machinery)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A.A.

More attention to selecting personnel for new factories. Sakh.prom. 27 no.9: 6-8 '53. (MLRA 6:11)

1. Glavnoye upravleniye sakharnoy promyshlennosti. (Sugar industry)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A.A.

Regulate the power system in sugar refineries. Sakh.prom. 28 no.1: 21-23 '54. (MLRA 7:3)

1. Glavsakhar. (Power plants)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A.A.

Using waste materials from sugar refineries. Sakh.prom.29 no.8: 26-27 '55. (MLRA 9:2)

1.Krasnopresnenskiy sakharo-rafinadnyy zavod.
(Animal charcoal) (Straw)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SEMINSKIY, Vitaliy Kuprianovich; FILOHENKO, S.N., kandidat tekhnicheskikh nauk, dotsent, retsenzent; MIKHAYLENKO, A.A., inzhener, redaktor; SOROKA, M.S., redaktor; RUDNESKIY, Ya.V., tekhnicheskiy redaktor.

[Ways of reducing auxiliary time in high-speed cutting of metals; from work practice of the author] Puti sokrashcheniia vspomogatel'nogo vremeni pri skorostnom rezanii metallov; iz opyta raboty avtora. Kiev, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 70 p. (Metal cutting) (MLRA 9:6)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

DRUZ', Aleksey Kharitonovich; MIKHAYLENKO, A.A., inzh., retsenzent; ONISHCHENKO, N.P., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[High-production equipment for machine tools] Vysokoproizvoditel'naia osnastka dlia metallorezhushchikh stankov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 64 p. (MIRA 13:11)

(Machine tools)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 50750-65 EWT(1)/EWA(h) Pab

ACCESSION NR: AP5015348 UR/0286/65/000/009/0095/0095

681.142

22
B

AUTHOR: Obukhov, V. Ye.; Mikhaylenko, A. P.

25

TITLE: A three-phase power source for parametrons. Class 42, No. 170765

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 95

TOPIC TAGS: parametron, power supply, resonant circuit, digital computer, computer component

ABSTRACT: This Author's Certificate introduces a three-phase power supply for parametrons. The device contains a source of three-phase oscillation cutoff pulses and a source of continuous pumping oscillations. In order to improve the reliability of parametron operation, the unit contains a voltage regulator which is connected to the parametron fixed bias windings. The parametrons are also connected to the source of oscillation cutoff pulses and continuous pumping oscillations.

ASSOCIATION: none

Card 1/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 50750-65

ACCESSION NR: AP5015348

SUBMITTED: 15Apr63 ENCL: 01 SUB CODE: DP, EC

NO REF SOV: 000 OTHER: 000

Card 2/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 50750-65

ACCESSION NR: AP5015348

ENCLOSURE: 01

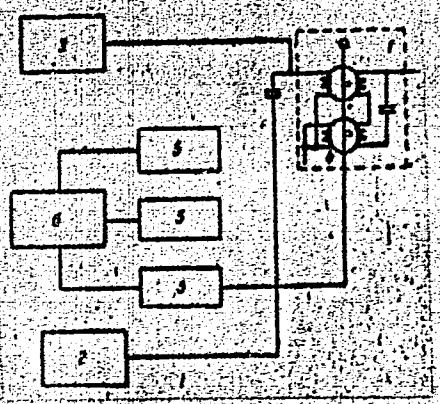


Fig. 1. 1--parametron; 2--generator of high frequency sinusoidal oscillations; 3--regulated source of fixed bias current; 4--oscillation cutoff windings; 5--amplifier; 6--staggered square pulse generator

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 62234-65 EEC-4/EED-2/EEO-2/EWT(d)

ACCESSION NR: AP5016091 UR/0302/65/000/002/0043/0045

621.376.223

14
B

AUTHOR: Obukhov, V. Ye.; Mikhaylenko, A. P.

TITLE: Modulator for a three-cycle parametron exciter without a d-c voltage source

SOURCE: Avtomatika i priborostroyeniye, no. 2, 1965, 43-45

TOPIC TAGS: parametron, parametron exciter, parametron exciter modulator

ABSTRACT: A simple original circuit (Author's Certificate no. 163214) of a 3-cycle parametron-excitation modulator (see Enclosure 1) is described. The transistor bases are excited by three 120°-shifted negative trigger drops, which results in producing 120°-shifted r-f output pulses at windings W_k. Excitation by 3-phase sinusoidal voltages is also possible but, in this case, the transistor turn-off state will necessarily be longer than the transistor turn-on state. Orig. art. has: 3 figures and 4 formulas.

Card 1/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 62234-65

ACCESSION NR: AP5016091

ASSOCIATION: none

SUBMITTED: 00 ENCL: 01 SUB CODE: EC

NO REF SOV: 000 OTHER: 000

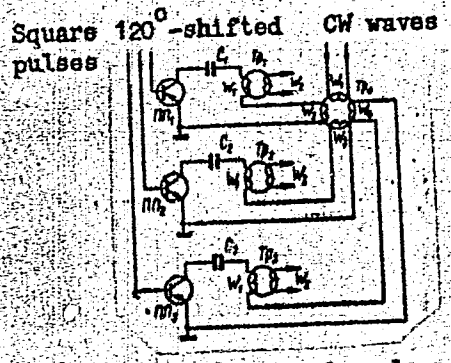
APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 62234-65

ACCESSION NR: AP5016091

ENCLOSURE: 1



Modulator for a 3-cycle parametron exciter

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A. Ya.

DECEASED
c.863

1963/
/4

Metallurgy

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, A. E.

"A Plumb Line with a Spherical Load," Gor. Zhur., No. 1, 1949.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 27415-66 EWT(d)/EWT(m)/EWP(c)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(1) IJP(c)

ACC NR: AP6012321 JD/HW SOURCE CODE: UR/0304/65/000/006/0072/0073

AUTHORS: Zubov, L. Ya. (Engineer); Began, L. I. (Engineer); Mikhaylenko, B. Ye. (Engineer)

28
B

ORG: none

TITLE: Mechanization and automation of steel dosing in the liquid stamping process

14 18

SOURCE: Mashinostroyeniye, no. 6, 1965, 72-73

TOPIC TAGS: metal stamping, metal melting, metallurgic machinery, steel

ABSTRACT: A set of metal pouring devices (PZU's) was developed at the Kramatorsk Institute of NIIPTmash for accurately dosing out small quantities of steel (1--10 kg) into molds. Three sizes, PZU-1.5 (0.5--1.5 kg), PZU-4 (2--4 kg), and PZU-8(0--8 kg) were built (see Fig. 1) and used in automated casting operations in which each mold has one of the PZU's mounted on a frame. A hydraulic cylinder empties the PZU into the mold, and a new charge is introduced in solid form (by weight). The crucible of the PZU was found to withstand 60-100 melting cycles, and a special metal mold was designed for forming and baking of new crucibles. The dosing accuracy of the PZU's

Card 1/2 UDC: 621.96

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

L 27415-66

ACC NR: AP6012321

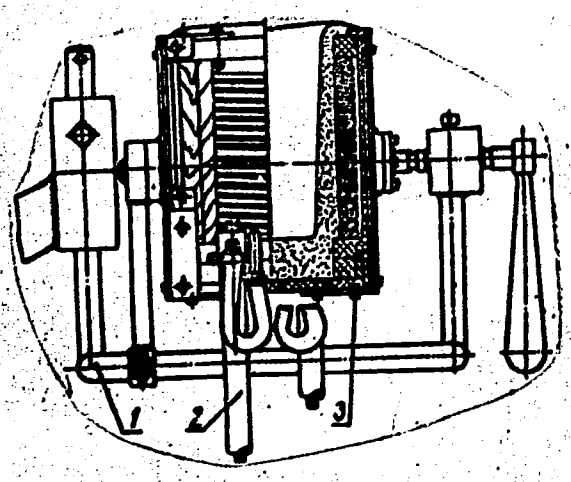


Fig. 1. PZU-8: 1 - pouring lever; 2 - cooling water lines; 3 - induction furnace.

was found to be 0.5--2%. Orig. art. has: 3 figures.

SUB CODE: 13, 11/ SUBM DATE: none

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KIPRIANOV, A.I.; MIKHAYLENKO, F.A.

Steric hindrance in the conjugation chains of polymethine dyes. Part 1: Quaternary salts of 2-(ρ-dimethylaminostyryl) benzothiazoles. Zhur. ob. khim. 31 no.3:781-786 Mr '61. (MIRA 14:3)

1. Institut organicheskoy khimii AN USSR.
(Benzothiazole) (Steric hindrance)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KIPRIANOV, A.I.; MIKHAYLENKO, F.A.

Steric hindrance in the conjugation chains of polymethine dyes. Part 2: Symmetrical and unsymmetrical carbocyanines. Zhur. ob. khim. 31. no.3:786-793 Mr'61. (MIRA 14:3)

1. Institut organicheskov khimii AN USSR.
(Cyanine dyes)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KIPRIANOV, A.I.; MIKHAYLENKO, F.A.

Steric hindrance in the conjugated chains of polymethine dyes. Part 3: Anhydro bases of hydroxystyryl derivatives of nitrogen heterocycles. Zhur. ob. khim. 31 no.4:1334-1344 Ap '61. (MIRA 14:4)

1. Institut organicheskoy khimii Akademii nauk Ukrainskoy SSR.
(Heterocyclic compounds)
(Steric hindrance)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

BABICHEV, F.S.; BOGOLYUBSKIY, V.A.; KIBIREV, V.K.; MIKHAYLENKO, F.A.

Condensation of thiolactams with halogenated ketones.
Zhur.ob.khim. 32 no.9:2793-2797 S '62. (MIRA 15:9)

1. Kiyevskiy gosudarstvennyy universitet.
(Lactams) (Ketones)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KIPRIANOV, A.I.; MIKHAYLENKO, F.A.

Aza derivatives of 2-p-dimethylaminostyrylbenzothiazole.
Zhur. ob. khim. 33 no.5:1415-1420 My '63. (MIRA 16:6)

1. Institut organicheskoy khimii AN UkrSSR.
(Benzothiazole)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

BASHTOVOY, I.A.; GRITSENKO, A.M.; KUCHERENKO, S.K.; MIKHAYLENKO, F.K.; SELYUTIN, I.A.

Drawing rock pillars in deepening mine shafts.
Sbor.rats.predl.vnedr.v proizv. no.1:5-6 '61. (MIRA 14:7)

1. Trest "Dzerzhinskruda", rudnik im. Kirova.
(Mining engineering)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

GUNBIN, N.Ya., inzh.; VEKSEL'MAN, V.M., inzh.; MIKHAYLENKO, F.K., inzh.

Rapid upraise mining at the "Severnaia" Mine of the Kirov Mining Administration. Met.i gornorud.prom. no.5:80-82 S-O '62. (MIRA 16:1)

(Krivoy Rog Basin--Iron mines and mining)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, G., inzh.-polkovnik

New forms. Av. i kosm. 45 no.11:56-57 '62. (MIRA 15:11)
(Flight training)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, G., inzh.-polkovnik; CHICHIRKO, I., inzh.-podpolkovnik; BURDIN, S., inzh.-mayor

Over-all inspection of airplane equipment. Av.i kosm. 45 no.2: 57-60 F '63. (MIRA 16:2)

(Airplanes—Maintenance and repair)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

DOROFEYEV, Yu.G.; MATVEYEV, V.P.; MIKHAYLENKO, G.F.; MIKHAYLENKO, G.V.

Low alloy manganese steel for cast and welded parts of electric locomotives. Lit. proizv. no.12:11-13 D '64.

(MIRA 18:3)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SALO, D.P.; MIKHAYLENKO, G.I. [Mykhailenko, H.I.]; KRIVENCHUK, P.Ye. [Kryvenchuk, P.IE.]; TOPORINA, O.M. [Toporyna, O.M.]; Prinimali uchastiye: SHABEL'NIK, V., student; OLENICH, Ye. [Olenych, E.], student; SUDGAL'TER, D. [Sudhal'ter, D.], student

Alkyloamides and the possibility of using them in pharmacy. Report No.2: Study of the emulsifying properties of the monoalkyloamides of fatty acids for the purpose of using them in pharmacy. Farmatsev. zhur. 16 no.6:19-22 '61. (MIRA 15:5)

1. Kafedra tekhnologii sekarstvennykh form i galenovykh preparatov Khar'kovskogo farmatsevticheskogo instituta, zav. kafedroy dotsent G.P.Pivnenko [Pivnenko, H.P.].
(AMIDES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SLOMINSKIY, L.L., inzh.; MIKHAYLENKO, G.I.

Use of the sodium slats of water-soluble synthetic fatty acids in the preparation of butyl esters. Masl.-zhir. prom. 27 no. 2:19-20 '61. (MIRA 14:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut maslozhirovoy promyshlennosti.
(Acids, Fatty)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SUKHOTERIN, I.S., inzh.; LESHCHENKO, P.S., inzh.; KARNAUKH, A.M.; MIKHAYLENKO, G.I.

Industrial production of alkylol amides. Masl.-zhir.prom. 29 no.2:29-32 F '63. (MIRA 16:4)

1. Shebekinskiy kombinat sinteticheskikh zhirnykh kislot i zhirnykh spirtov (for Sukhoterin, Leshchenko). 2. Ukrainskiy nauchno-issledovatel'skiy institut maslozhirovoy promyshlennosti (for Karnaukh, Mikhaylenko). (Amides)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

FILIMONOV, Yu.F.; MIKHAYLENKO, G.P.

Bilateral reduction of stepped shaft billets. Kuz.-shtam.proizv. 5 no.8:7-11 Ag '63. (MIRA 16:9)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KLIMENKO, M.M.; MALYSHEVA, L.N.; MIKHAYLENKO, G.V.; PETELIN, S.M.

Reflected symptoms as observed in patients with lumbosacral radiculitis during therapy at the Piatigorsk resort. Vop.kur. fizioter. i lech.fiz.kul't. 21 no.2:49-52 Ap-Je '56. (MLRA 9:9)

1. Iz nevrologicheskogo otdeleniya (zav. - doktor meditsinskikh nauk S.M.Petelin) Bal'neologicheskogo instituta na Kavkazskikh mineral'nykh vodakh.
(SPINAL NERVE--DISEASES)
(PIATIGORSK--PHYSICAL THERAPY)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

DOROFEYEV, Yu.G.; MATVEYEV, V.P.; MIKHAYLENKO, G.F.; MIKHAYLENKO, G.V.

Low alloy manganese steel for cast and welded parts of electric locomotives. Lit. proizv. no.12:11-13 D '64.

(MIRA 18:3)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

S/810/62/000/000/007/013

AUTHORS: Lokshin, F. L., Pertseva, A. P., Mikhaylenko, G. V., Lokshin, L. F.

TITLE: The quench-hardening of steel in a field of hydraulic shocks and of ultrasonic-frequency mechanical vibrations.

SOURCE: Metallovedeniye i termicheskaya obrabotka; materialy konferentsii po metallovedeniyu i termicheskoy obrabotke, sost. v g. Odesse v 1960 g. Moscow, Metallurgizdat, 1962, 221-232.

TEXT: The paper describes an experimental investigation of a new method of heat treatment of metals in a field of hydraulic shocks and ultrasonic frequency (HSUS) mechanical vibrations, which consists in the quench-hardening (QH) of steel in water or oil under continuous electrical discharges. The resulting HS phenomena and US mechanical vibrations were made to assume frequencies from 100-600 kcps. It is shown that QH in a HSUS field is conducive to a more complete transformation of austenite (A) into martensite (M). Cylindrical specimens, 15-mm diam, 20-mm high, of steels У8А (U8A), У10А (U10A), У11 (U11), У12 (U12), ШХ15 (ShKh15), 9ХС (9KhS), 7Х (7Kh), and 7Х3 (7Kh3), were tested. The discharge-capacitor voltage was varied from 30-80 kw (depending on the chemical composition of the steel), its capacity held at 0.24 μf. These 2 values determine

Card 1/3

Card 1/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

the pressure, specific impulse, and specific energy of the shock waves. Effect of HSUS field on the amount of retained A: Test results are summarized in a full-page table, showing that the A-M transformation with HSUS QH is total. Effect of HSUS on the fine structure of the M: Directly upon inception of quench (Q), the HSUS field acts on the A. Then, as the cooling in the M interval proceeds, they act also on the newly forming M. The results of X-ray diffraction analysis are shown, indicating that in the HSUS field carbide formation proceeds even during the Q process itself. The carbides detected are Fe_3C. Graphic representations of the process data show that, at any given temperature, steel QHed in a HSUS field contains less C immediately after Q and anneal than steel QHed in the ordinary way. All other conditions being equal, steel QHed in a HSUS field contains more C in the solid solution if its Cr is smaller. QH in a HSUS field is conducive to the separation of the C from the solid solution, the formation of centers of the carbide phase, and their intensive growth. Therefore, the ordinarily observed Q phenomena, in which the growth of the carbide nuclei is impaired by their C-depleted immediate surroundings, are corrected by the HSUS field. Peculiarities of the structural forms of M: The microphotographs shown manifest the nonuniform, macro-acicular M structure obtained by ordinary QH, as compared with the crypto-acicular M structure with uniformly distributed carbides obtained in the HSUS field. Effect on the hardness of the steel: The steels QHed in a HSUS

Card 2/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

field have a more elevated hardness, and the reduction in hardness of such steels begins at higher anneal temperatures. However, the differences are small in the QHed state, since the 2 processes occurring, namely, the A-M transformation on the one hand and the removal of residual C on the other hand, have opposite effects on the hardness. The deformation of the second kind in steel QHed in a HSUS field are smaller than in steel QHed in the ordinary way; hence, the more elevated hardness of such steels cannot be attributed to stresses of the second kind, but to the more refined M structure and the dispersed mosaic structure. There are 10 figures and 3 tables; no references.

ASSOCIATION: Novocherkasskiy politekhnicheskiy institut (Novocherkassk Politechnical Institute).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

KUKOZ, F.I.; MIKHAYLENKO, G.V.; SKALOZUBOV, M.F.

Possibilities of increasing electric capacity of the silver electrode of a battery. Izv. vys. ucheb. zav.; khim. i khim. tekh. 8 no.3:448-452 '65. (MIRA 18:10)

1. Novocherkasskiy politekhnicheskiy institut imeni Ordzhonikidze, kafedra tekhnologii elektrokhimicheskikh proizvodstv.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.

Strengthen the role of smaller trade unions. Mast.ugl. 4 no.12: 19 D '55. (MLRA 9:3)

1. Zaveduyushchiy otdelom organizatsionno-massovoy raboty i kadrov TSentral'nogo Komiteta profsoyuza rabochikh ugol'noy promyshlennosti.

(Coal miners)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.

Important ways of taking advantage of creative talents of the people. Mast.ugl.6 no.2:22 F '57. (MLRA 10:4)

1. Zaveduyushchiy otdelom proizvodstvenno-massovoy raboty Tsentral'nogo komiteta profsoyuza.
(Coal miners)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAVLENKO, I.

On a visit to East German miners. Mast.ugl.6 no.10:27-31 O '57. (MIRA 10:12)

1. Zaveduyushchiy otdelom proizvodstvenno-massovoy raboty TSentral'nogo komiteta profsoyuza rabochikh ugol'noy promyshlennosti.
(Germany, East--Coal mines and mining)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.

Collective agreements are a bilateral obligation. Mast. ugl. 8 no.5:23 My '59. (MIRA 12:8)

1.Chlen Prezidiuma TSentral'nogo komiteta profsoyuza rabochikh ugol'noy promyshlennosti.
(Collective labor agreements--Coal mining industry)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.G.

The fortieth anniversary of the trade union of miners.
Bezop.truda v prom. 4 no.3:1-2 '60. (MIRA 13:6)

1. Chlen prezidiuma TSentral'nogo komiteta profsoyuza rabochikh ugol'noy promyshlennosti SSSR.
(Trade unions)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.

Glorious 40th anniversary. Mast.ugl. 9 no.3:3-4 Mr '60.
(MIRA 13:6)

1. Chlen prezidiuma TSentral'nogo komiteta profsoyuza rabochikh ugol'noy promyshlennosti.
(Coal miners) (Trade unions)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.

Care of man is the most important objective of scientific technological societies. NT 3 no.8:53 Ag '61. (MIRA 14:9)

1. Chlen prezidiuma TSentral'nogo komiteta profsoyuza rabochikh ugol'noy promyshlennosti.
(Coal mines and mining--Safety measures)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.

Paying a visit to Rumanian coal miners. Sov.shakht. 10 no.6:45-46 Je '61. (MIRA 14:9)
(Rumania--Relations (General) with Russia)
(Russia--Realtions (General) with Rumania)
(Rumania--Coal mines and mining)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.

Struggling for progress. Sov.shakht. 10 no.12:18 D '61. (MIRA 14.12)

(Coal mines and mining---Technological innovations)
(Trade unions)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.G.

Eight congress of the Coal Industry Workers Trade Union.
Ugol' 38 no.12:54-55 '63. (MIRA 17:5)

1. Zaveduyushchiy otdelom proizvodstvennoy raboty i zarabotnoy platy TSentral'nogo komiteta Professional'nogo soyuza rabochikh ugol'noy promyshlennosti.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.G.

Application of the methodology of [illegible] profiles in the foothills of the Ili Valley. Razved. i prom. geofiz. no.48:3-5 '63

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

USKOV, A.A., red.; RZHEVSKIY, V.V., prof., doktor tekhn. nauk, red.; SOKOLOVSKIY, M.M., red.; MIKHAYLENKO, I.G., red.; BUGOSLAVSKIY, Yu.K., red.; GOBITSKIY, V.V., red.; VINITSKIY, K.Ye., red.; STAKHEVICH, Ye.B., red.; KENI..., S.I., red.; MERZON, A.S., red.; SITNIKOV, V.P., red.; SOPESHKO, N.F., red; BLAYVAS, M.S., red.

[Studies of the All-Union Scientific and Technical Conference on improving the equipment and technology of mining minerals by the open pit method] Materialy Vsesoiuznogo nauchno-tekhnicheskogo soveshchaniia po sovershenstvovaniiu tekhniki i tekhnologii razrabotki poleznykh iskopaemykh otkrytym sposobom. Moskva, Nedra, 1965. 285 p. (MIRA 18:6)

1. Vsesoyuznoye nauchno-tekhnicheskoye soveshchaniye po sovershenstvovaniyu tekhniki i tekhnologii razrabotki poleznykh iskopayemykh otkrytym sposobom, Cheremkhovo, 1964. 2. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Rzhevskiy). 3. Glavnyy spetsialist Gosudarstvennogo komiteta tyazhelogo, energeticheskogo i transportnogo mashinostroeniya pri Gosplane SSSR (for Bugoslavskiy).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, Ivan Grigor'yevich; PESKIN, Zalman Izrailevich; MOGILENKO, P.D., retsenzent; OSVAL'D, E.Ya., ved. red.

[Manual on wages in the coal industry] Spravochnoe posobie po oplate truda v ugol'noi promyshlennosti. Moskva, Nedra, 1965. 298 p. (MIRA 18:7)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.G.

Improvement of labor organization and productivity is an urgent task of coal industry workers. Ugol' 40 no.6:56-58 Je '65. (MIRA 18:7)

1. Zaveduyushchiy otdelom TSentral'nogo komiteta Professional'nogo soyuza rabochikh ugol'noy promyshlennosti.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.I., inzhener; MIHAYEVA, A.A., inzhener.

Dismountable bases for mine winches. Bet. i zhel.-bet.no.2: 67-69 F '56. (Winches) (MLRA 9:6)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I. Ye.

"The Effect of Knotted Silk Sutures on the Healing of an Operative Wound of the Skin." Cand Med Sci, Kirgiz State Medical Inst, Frunze, 19 4. (KL, No 3, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I.Ye.

State of the surgical service and the prospects for its development in Kirghizistan. Sov.zdrav.Kir. no.4:50-53 Jl-Ag '62. (MIRA 15:8)

1. Glavnyy khirurg Ministerstva zdravookhraneniya Kirgizskoy SSR.
(KIRGHIZISTAN—SURGERY)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I. Ye. Cand Chem Sci -- (diss) "Study of the structure and properties of pyrosulfates of alkaline elements with the application of the tracer method." Mos, 1957. 8 pp (Mos State Univ im M. V. Lomonosov), 100 copies (KL, 42-57, 91)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I. Ya.

SPITSYN, Vikt.I.; MIKHAYLENKO, I.Ya.

Studying the conditions of interaction between sulfuric anhydride and normal sulfates of alkali elements. Zhur. neorg. khim. 2 10:2416-2422 O '57. (MIRA 11:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova, Kafedra neorganicheskoy khimii.
(Sulfuric anhydride) (Sulfates) (Alkali metals)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

MIKHAYLENKO, I. Ye

7

Röntgenographic investigation of pyrosulfates of alkali elements. I. E. [illegible], V. I. Spitsyn, and Yu. P. Simanov (M. V. Lomonosov State Univ., Moscow). Zhur. Neorg. Khim. 2, [illegible] (1957).—X-ray diffraction pictures of pyrosulfates prepd. by the slow method (I) and by the rapid method (II) were studied. In method I SO_3 was added to the sulfates. In method II concd. H_2SO_4 was added to N solns. of sulfates of Li, Na, and K and to N solns. of chlorides of Ru and Cs. The pyrosulfates thus prepd. were heated to const. wt. at: Li 200, Na 250, K 300, Rb and Cs 400°. None of them contained the normal sulfates or solid solns. of M_2SO_4 with $M_2S_2O_7$. The crystal structure of $Li_2S_2O_7$ by either method was the same, but the structures of the other pyrosulfates prepd. by I were different from the structures of those prepd. by II. The former were of the $M_2SO_4 \cdot SO_3$ type and the latter of the type $M_2S_2O_7$. I. Bencowitz

1/1

Distr: 4E4j

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

Khaylenko, I. Ye.

AUTHORS: Spitsyn, Vikt. I., Khaylenko, I. Ye. 78-2-39/43

TITLE: On the Exchange of Sulfur Isotopes in Alkali Pyrosulfates (K voprosu ob izotopnom obmene serY v pirosul'fatakh shchelochnykh metallov)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 2, pp. 526-532 (USSR)
Received: April 5, 1958

ABSTRACT: The authors performed a thorough investigation of the structure of the pyrosulfates of alkali metals with the radioactive indicator S^{35}, especially the investigation of the equivalence of the sulfur atoms in sulphurous anions. For the investigation of the exchange of the sulfur isotopes in pyrosulfates preparations were produced by rapid melting of normal sulfates with SO_3 under atmospheric pressure. The exchange of the sulfur isotopes between radioactive sulfate and SO_3 takes place in the moment of the formation of pyrosulfate. In the pyrosulfates of lithium and sodium the loss of activity in the sulfates during the exchange of sulfur by SO_3 amounts to 30-35%. The radioactive sulfates of lithium and sodium do not enter into an isotope exchange

Card 1/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

with SO_3 at 100°C. In the case of the pyrosulfates of potassium, rubidium and caesium the loss of activity of the sulfates by an exchange of sulfur with SO_3 amounts to 50-55%. The investigations show that in lithium pyrosulfate an equal distribution of S^{35} takes place. In the pyrosulfates of sodium, potassium, rubidium and caesium an enrichment of S^{35} takes place in the residue of the normal sulfate, which indicates an irregular distribution of the sulfur atoms. Moreover it follows from these results that the normal sulfates of sodium, rubidium and caesium in the reaction with SO_3 form compounds in which the two sulfur atoms are not equivalent. The degree of exchange of the sulfur atoms in the pyrosulfates to be investigated decreases in the order $Li_2S_2O_7 \rightarrow Cs_2S_2O_7$. This difference is probably due to the decrease in the polarizing action of the ions in the order $Li^+ \rightarrow Cs^+$. The obtained experimental values for the exchange of the sulfur isotopes in pyrosulfates of the alkali elements confirm the assumption of an existence of isomeric pyrosulfates with the following structure: $Me_2SO_4.SO_3$ and $Me_2(S_2O_7)$. There are 1 figure, 8 tables, and 6 references, 3 of which are Slavic.

Card 2/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

On the Exchange of Sulfur Isotopes in Alkali Pyrosulfates 76-2-39/43

ASSOCIATION: Moscow State University imeni M. V. Lomonosov, Chair for Anorganic Chemistry. (Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova, Kafedra neorganicheskoy khimii)

SUBMITTED: April 29, 1957

AVAILABLE: Library of Congress

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

AUTHORS: Spitsyn, Vikt. I., Mikhaylenko, I. Ye.

TITLE: Investigation of the Isotope Exchange Between [illegible] Sulfates of the Alkali Elements and Sulfur Trioxide at High Temperatures (Issledaniye izotopnogo obmena mezhdu nekotorymi sul'fatami shchelochnykh elementov [illegible] angidridom pri vysokoy temperature)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. [illegible], Nr. [illegible], pp. 1254-1260 (USSR)

ABSTRACT: The ion exchange between normal sulfates of the alkali elements and SO_3, and between alkali pyrosulfates and SO_3, was investigated in view of determining the stability of the bond between the sulfur atoms in these compounds.
The exchange reaction was carried out at 450°C. The initial preparations of the pyrosulfates and sulfates of the alkali elements were produced with radioactive sulfuric acid and solutions of Na_2SO_4.
The obtained results show that the velocity of exchange in all pyrosulfates of the alkali elements [illegible] and amounts to ~ 90%. In molten pyrosulfate at 450°C, the sulfur atoms in the anion $S_2O_7^{2-}$ have greatest mobility,

Card 1/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

Investigation of the Isotope Exchange Between Some Sulfate [illegible] of the Alkali Elements and Sulfur Trioxide at High Temperature

and the velocity of the isotope exchange [illegible] high. The isotope exchange of sulfur between [illegible] sulfates of lithium, sodium, potassium, rubidium and SO_3 at temperatures of 700 to 850°C shows that the [illegible] ion exchange takes place in the system K_2SO_4-SO_3. The isotope exchange in the systems $MeSO_4$-SO_3 [illegible] be of atomic character and an immediate exchange [illegible] the sulfur atoms from the SO_3 and $SO_4^{''}$ groups takes place. The amount of activation energy of the isotope exchange of sulfur in the Li_2SO_4-SO_3 system with a value [illegible] K and in the $NaSO_4$-SO_3 system with 24 K [illegible] Mol was likewise calculated.

It results from these figures that the stabilization [illegible] bond between the sulfur atoms and the oxygen [illegible] the crystal lattice of $LiSO_4$ is smaller than in sodium [illegible] There are [illegible] figures, [illegible] tables, and 9 references [illegible] of which are Russ.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova. Kafedra [illegible] fizicheskoy khimii Akademii nauk SSSR [illegible]

Card 2/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

Investigation of the Isotope Exchange Between Some Sulfates [illegible] of the Alkali Elements and Sulfur Trioxide at High Temperatures

University imeni M. V. Lomonosov, Chair of Inorganic Chemistry; Institute of Physical Chemistry, AS USSR

SUBMITTED: August 20, 1957

AVAILABLE: Library of Congress

1. Alkali sulfates--Exchange reactions 2. Pyrosulfates--Exchange reactions 3. Sulfur trioxide--Exchange [illegible] --Applications

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

AUTHORS: Apiteyn, Vikt. I., Mikhaylenko, I. Ye. SOV/89-5-4-17/22

TITLE: On the Problem of the Influence exercised by Radioactive Radiation Upon the Rate of Isotopic Exchange (K voprosu o vliyanii radioaktivnogo izlucheniya na skorost' izotopnogo obmena)

PERIODICAL: Atomnaya energiya, 1958, Vol 5, Nr 4, pp 463-464 (USSR)

ABSTRACT: The influence exercised by β-radiation of S^{35} upon the extent of the isotopic exchange in the system K_2SO_4 - SO_3 at high temperatures was investigated. The potassium sulfate contained various amounts of S^{35}. The total activity of the two samples used amounted to $2,6.10^{-2}$ mC/g and 16,2 mC/g respectively. The experimental apparatus is shown schematically (simple glass apparatus). In preparation 1 the degree of exchange amounted to an average of 11,5%, and in preparation 2 to 26,6%. The decomposition of the potassium sulfate in preparation 2 cannot be explained merely on a radio-chemical basis. It is more probable that the β-particles cause an excitation of the preparation and lead to an additional ionization of the

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SOV/89-5-4-12/21

[illegible] Problem of the Influence Exercised by Radioactive Radiation [illegible] the [illegible] of Isotopic Exchange

CrO_4^{2-}-ions in the K_2SO_4-lattice. The excited CrO_4^{2-}-ion participates in a higher degree in the ion exchange. It is further mentioned that preparation 2 turned a violet color [illegible] days after its production. The change of color could be prevented by heating. Also these phenomena confirm the assumption that the influence exercised by electrons upon the velocity of an ion exchange in an irradiated system is of decisive importance. There are 1 figure, [illegible] tables, and 2 references, [illegible] which [illegible] review.

[illegible] September 2, [illegible]

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SOV/20-121-2-34/53

AUTHORS: Spitsin, Vikt. I., Corresponding Member, Academy of Sciences, USSR, Mikhaylenko, I. Ye.

TITLE: The Influence of the Intensity of the Radioactive S^{35}-Radiation on the Rate of the Isotopic Exchange of Sulfur in the System $K_2\overset{*}{S}O_4$-SO_3 (Vliyaniye intensivnosti radioaktivnogo izlucheniya S^{35} na skorost' izotopnogo obmena sery v sisteme $K_2\overset{*}{S}O_4$-SO_3)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 2, pp. 319 - 321 (USSR)

ABSTRACT: In the investigation of the isotopic exchange of sulfur between solid alkali sulfates and gaseous sulfur anhydrides at high temperatures (Ref 1) the authors discovered an influence of the level of radioactivity of the investigated preparations on the rate of the isotopic exchange. In this paper a report is given on the investigation of this influence. The β-radiation of K_2SO_4 which was marked with S^{35} was investigated at 840°C. The employed device is depicted in figure 1 and described subsequently. The results of the investigations are compiled in

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

SOV/20-121-2-34/53

The Influence of the Intensity of the Radioactive S^{35}-Radiation on the Rate of the Isotopic Exchange of Sulfur in the System K_2SO_4-SO_3

2 tables. The authors also investigated heterogeneous systems concerning the effect of radioactive radiation on adsorbing layers. The results of these investigations are not published here. There are 2 figures, 2 tables, and 2 references, ' of which is Soviet.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry, AS USSR) Moskovskiy gosudarstvenyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: April 27, 1958

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3

21(8), 5(4)

SOV/20-121-3-28/47

AUTHORS: Balandin, A. A., Academician, Dobrosel'skaya, N. P., Mikhaylenko, I. Ye., Spitsyn, Vikt. I., Academician

TITLE: Radioactive Catalysts (Radioaktivnyye katalizatory) The Dehydration of Cyclohexanol Over the Sulphates of Magnesium And Sodium (Degidratatsiya tsiklogeksanola nad sul'fatami magniya i natriya)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 3, pp 495 - 498 (USSR)

ABSTRACT: Some recent investigations used the irradiation by γ-rays or neutrons for the influencing of the processes of heterogeneous catalysis. In the present paper, however, the catalyst itself is used as a source of the ionizing radiation for the heterogeneous catalysis of gaseous substances. This catalyst contained various quantities of the radioactive isotope (β-radiator). It is assumed that the continuous bombardment by β-particles will energetically influence the processes which occur on the boundary solid body-gas. There may be also an influence of the radiation on the structure

Card 1/4

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033920019-3"