Shevchenko, G.I.

8(2); 28(1) PHASE I BOOK EXPLOITATION SOV/1433

Soveshchaniye po avtomatizirovannomu elektroprivodu peremennogo toka, Moskva, 1955

Trudy... (Transactions of the Conference on Automated A-C Electric Drives) Moscow, Izd-vo AN SSSR, 1958. 398 p. 4,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Resp. Eds: V.S. Kulebakin, Academician, and M.G. Chilikin, Doctor of Technical Sciences, Professor; Ed. of Publishing House: D.M. Ioffe; Tech. Ed.: I.F. Kuz'min.

COVERAGE: The conference was organized on the initiative of the Institute of Automation and Telemechanics of the Academy of Sciences, USSR, and the Moscow Power Engineering Institute and had as its aim the planning of the most progressive ways of developing automatic control of electric drives. The first conference on the subject of automated electric drive took place more than ten years before the present one and was concerned with d-c electric drives. The results of this conference were found to be most valuable in the task of rebuilding postwar Soviet industry and in furthering industrial development. Present technical development of Soviet industry demands high speeds, simplicity of construction, reliability of operation and economy. The squirrel-cage induction motor with frequency control appears to be the most promising type of controlled a-c drive. For wide application of this drive in the Soviet economy there is a need of developing new types of frequency converters. Some interesting studies were made in this connection at the Institute of Automation and Telemechanics of the USSR Academy of Sciences and its Leningrad branch, at the Moscow Power Engineering Institute, the Central Design Bureau of the "Elektroprivod Plant, the State Design Institute of the Ministry of Construction of the RSFSR, and in other design organizations. These studies were discussed at the present conference. The transactions contain material concerning the theory and design of reactor, pulse, and frequency methods of controlling a-c electric drives. Candidate of Technical Sciences I.V. Utkin and Engineer V.A. Kokoreva participated in the preparation of this collection of papers. The volume was reviewed by Professor Ya. V. Mitusov, Doctor of Technical Sciences. Some of the papers include a bibliography.

TABLE OF CONTENTS:

Transactions of the Conference (Cont.) SOV/1433

83543

S/112/59/000/015/063/068
A052/A002

9,3250

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 15, pp. 237-238, # 32640

AUTHORS: Shevchenko, G.I., Obuchov, S.G.

TITLE: Raising the Cut-off Frequency and Reliability of the Ionic Frequency Converter by Means of Saturation Chokes

PERIODICAL: Tr. Mosk. energ. in-ta, 1958, No. 27, pp. 300-312

TEXT: Specific operational features of frequency converter valves in a parallel inverter circuit are considered. The restoration of control properties of the grid depends on the shape of the output voltage and on a number of other factors. The utilization of saturation chokes in an inverter with a commutating capacitor permits an increase of the inverter cut-off frequency by 1.5-2 times. It secures the stability against load shocks at a voltage approaching a sinusoid and prolongs the life of valves. Experimental data are given. For medium powers a valve-contact drum-type inverter with a motor drive is used; uncontrolled

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83543

S/112/59/000/015/063/068
A052/A002

Raising the Cut-off Frequency and Reliability of the Ionic Frequency Converter by Means of Saturation Chokes

valves are connected in series with its contacts. A method of connecting a commutating capacitor is suggested which secures a sparkless commutation in one- and three-phase valve-contact inverters. There are 3 references.

L.A.G.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

PHASE I BOOK EXPLOITATION SOV/[illegible]

Vsesoyuznoye ob"yedinennoye soveshchaniye po avtomatizatsii proizvodstvennykh protsessov v mashinostroyenii i avtomatizirovannomu elektroprivodu v promyshlennosti. 3d, Moscow, 1959

Elektroprivod i avtomatizatsiya promyshlennykh ustanovok; trudy soveshchaniya (Electric Drive and Automation in Industrial Systems; Transactions of the Conference) Moscow, Gosenergoizdat, 1960. 470 p. 11,000 copies printed.

General Eds.: I.I. Petrov, A.A. Sirotin, and M.G. Chilikin; Eds.: I.I. Sud, and E.F. Silayev; Tech. Eds.: K.P. Voronin, and G.Ye. Larionov.

PURPOSE: The collection of reports is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education.

COVERAGE: The book is a collection of reports submitted by scientific workers at plants, scientific institutes and schools of higher education at the third Joint All-Union Conference on the Automation of Industrial Processes in Machine Building and Automated Electric Drives in Industry held in Moscow on May 12-16, 1959. The Conference was called by the Academy of Sciences USSR, the Gosplan SSSR (State Planning Commission USSR), the GNTK SSSR, the Gosudarstvennyy Komitet po avtomatizatsii i mashinostroyeniyu (State Committee on Automation and Machine Building) and the Natsional'nyy Komitet SSSR po avtomaticheskomu upravleniyu (USSR National Committee on Automatic Controls) and prepared by the Nauchno-tekhnicheskiy komitet po avtomatizirovannomu elektroprivodu (Scientific and Technical Committee on Automated Electric Drives), the MEI (Moscow Institute of Energetics), the VNIIEM, the IAT (Institute of Automation and Telemechanics) of the Academy of Sciences USSR, and the Komissiya po tekhnologii mashinostroyeniya Instituta mashinovedeniya AN SSSR (Commission on the Technology of Machine Building of the Institute of Science of Machines of the Academy of Sciences USSR). It was the purpose of the Editorial Board to arrange the reports in a way which would ensure a relatively systematic presentation of theoretical and practical problems relating to electric drives and automatic controls of industrial mechanisms used in various branches of industry. Basic problems of automated electric drive and their solution are outlined. The book also contains articles on electric machinery and means of automation. Considerable attention is paid to noncontact automatic control systems, including systems with semiconductor devices and magnetic amplifiers, and to computers intended both for the analysis and the synthesis of linear and nonlinear automatic regulation and control systems. Reports already published in journals or official publications have been considerably abbreviated; those which have appeared in volume V of NII EP transactions or in the journal "Elektrichestvo" are marked with an asterisk. No personalities are mentioned. References accompany some of the papers.

PART I. GENERAL PROBLEMS CONCERNING THE THEORY AND PRACTICE OF ELECTRIC DRIVE AND AUTOMATION OF CONTROL

S/194/61/000/012/082/097
D273/D301

AUTHORS: Shevchenko, G. I. and Popov, V. V.

TITLE: System of circuit control of the inverter part of an ionic frequency converter

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1961, 26, abstract 12E146. (Tr. Mosk. energ. in-ta" 1961, no. 34, 370-377)

TEXT: A description is given of a system of circuit control of the inverter of an ionic frequency converter with a 3-phase ouput, built on a ПТ (PT) and designed to obtain output frequencies of 60 to 300 c/s in order to realize frequency lobing and a smooth change of velocity in fast asynchronous motors. The inverter of a frequency converter is based on thyratrons ТР-6/15 (TR-6/15) in a 3-phase bridge circuit; the output power is up to 30 kvolts. The circuit control system consists of: 1) A main generator, used as a vibrator on a PT which provides pulses at a frequency 6 times that of the output converter; 2) a repeater coils circuit having 6

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S/196/61/000/012/024/029
E194/E155

AUTHORS: Shevchenko, G.I., Borzenko, I.M., and Popov, V.V.

TITLE: A valve-type (ionic) frequency-changer for supplying induction motors

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.12, 1961, 24, abstract 12K 130. (Tr. Mosk. energ. in-ta, no.34, 1961, 378-398)

TEXT: At the request of the Kombinat iskusstvennogo volokna (Artificial Fibres Combine) the Kafedra promyshlennoy elektroniki Moskovskogo energeticheskogo instituta (Department of Industrial Electronics of the Moscow Power Engineering Institute) has developed an ionic frequency-changer for 50/150 c/s, 25 kVA, for supplying the electrically-driven spindles of spinning machines in viscose manufacture. The frequency-changer is based on thyratrons type TP-6/15 (TR-6/15). The rectifier and invertor are connected in a three-phase bridge circuit. The rectifier is controlled by an electronic-impulse system. The invertor control system is based on transistors. The output

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A valve-type (ionic) frequency- ... S/196/61/000/012/024/029
E194/E155

voltage of the invertor is automatically stabilised by applying a signal through a d.c. amplifier to the rectifier grid. To protect against failure of inversion, which can occur in an independent invertor with capacitor switching, a current transformer with rectifier circuit is used, and when the current exceeds a certain value the rectifier grids block. Ballast resistors connected in circuit as the load increases prevent excessive voltage rise of the invertor at no-load. The frequency-changer characteristics are given, and with a load of 72 spindles are as follows: input - 420 V, 35 A, 16.1 kW; output - 145 c/s, 110 V, 78 A, 13 kW. The reactive power of the capacitors is 13 kW, the efficiency 0.87. In service tests the frequency-changer operated normally.
13 literature references.

[Abstractor's note: Complete translation.]

Card 2/2

ACCESSION NR: AP4041345 S/0115/64/000/005/0029/0030

AUTHOR: Shevchenko, G. I.

TITLE: Magnetic-anisotropy sensors with compensation winding

SOURCE: Izmeritel'naya tekhnika, no. 5, 1964, 29-30

TOPIC TAGS: magnetic anisotropy sensor, deformation measurement, strain measurement

ABSTRACT: The principle of operation of a mechanical-strain-measuring magnetic-anisotropy-dependent sensor is described. The initial-anisotropy voltage may be compensated by these methods: (1) Applying an a-c or rectified voltage of a third winding in opposition, which results in a complete compensation only with low ampere-turns of the primary; the lower part of the scale is non-linear; (2) Using a differential circuit of two bridge-connected rectifiers supplied by the secondary and tertiary windings, which results in a better scale linearity.

Card 1/2

RIVKIN, G.A., kand.tekhn.nauk, dotsent; SHEVCHENKO, G.I., kand.tekhn.nauk, dotsent

Study of autonomous inverters using locus diagrams. Elektrichestvo no.11:74-78 N '64. (MIRA 18:2)

1. Moskovskiy energeticheskiy institut.

SHEVCHENKO, G.I., kand. tekhn. nauk, dotsent

Study of an autonomous parallel inverter using a locus technique.
Trudy MEI 55:21-34 '65. (MIRA 18:10)

SHEVCHENKO, G.I., kand. tekhn. nauk, dotsent; POPOV, V.V., aspirant; IKONIN, Yu.P., inzh.

Transistorized frequency converter. Trudy MEI 55:45-52 '65.
(MIRA 18:10)

SHEVCHENKO, G.M.

Average composition of the clastic minerals of denudation products in the southern Tien Shan intercore zone; based on the study data of Cenozoic molasses in the southeastern Fergana. Nauch. trudy TashGU no.256 Geol. nauki no.22:97-98 '64
(MIRA 18:2)

SKRIPCHINSKIY, V.V.; SKRIPCHINSKIY, V1.V.; SHEVCHENKO, G.I.

Frost resistance of vegetative primordia of some geophytes of the Stavropol Territory flora. Biul. Glav. bot. sada no.55:109-114 '64. (MIRA 18:11)

1. Stavropol'skiy botanicheskiy sad.

TANANAYEV, I.V.; SHEVCHENKO, G.V.

Reaction between samarium ions and ethylenediaminetetraacetic acid. (MIRA 14:8)
Zhur.neorg.khim. 6 no.8:1909-1913 Ag '61.
(Samarium) (Acetic acid)

L 54991-65 EWT(m)/EPA(s)-2/EPF(n)-2/T/EWP(t)/EWP(b)/EWA(c) Pt-7/Pu-4 IJP(c)

ACCESSION NR: AP5011932 JD/JG UR/0363/65/001/003/0369/0373

546.659'185-324

AUTHOR: Tananayev, I. V.; Shevchenko, G. V.

TITLE: Samarium pyrophosphates

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 3, 1965, 369-373

TOPIC TAGS: samarium pyrophosphate, samarium, samarium phosphate, phosphate

ABSTRACT: Interaction of trivalent samarium, $Sm(NO_3)_3$, with pyrophosphates of lithium, sodium, and potassium was studied in aqueous solutions at 25°C. The precipitated pyrophosphates were examined by thermogravimetric and x-ray techniques. The starting concentration of $Sm(NO_3)_3$ was equal to 0.025 mol/l while the concentration ratios of alkali metal pyrophosphate to $Sm(NO_3)_3$ varied from 0.5 to 2.0. At equilibrium, the unreacted Sm^{3+} and $P_2O_7^{4-}$ in solution were determined analytically and the balance was assumed to be present in the precipitate. It was found that a regular samarium pyrophosphate hydrate, $Sm_4(P_2O_7)_3 \cdot 14H_2O$ first precipitates and then, at elevated alkali metal pyrophosphate concentrations a binary pyrophosphate, $MSmP_2O_7 \cdot 4H_2O$ is formed where M is Li, Na, or K. All the pyrophosphate precipitates

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L 54991-65

ACCESSION NR: AP5011932

are amorphous. They can be converted into crystalline form by calcining: $Sm_4(P_2O_7)_3$ at 63°C, $LiSmP_2O_7$ at 500°C, $NaSmP_2O_7$ at 545°C, and $KSmP_2O_7$ at 600°C. Orig. art. has: 1 table and 7 figures.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 08Dec64 ENCL: 00 SUB CODE: IC,GC

NO REF SOV: 003 OTHER: 002

Card 2/2

L 36698-65 EWT(m)/EWP(b)/EWP(t) IJP(c) JD/JG

ACCESSION NR: AP5005009 S/0078/65/010/002/0414/0420

13

AUTHOR: Tananayev, I. V.; Shevchenko, G. V.

B

TITLE: Samarium ferrocyanides

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 2, 1965, 414-420

TOPIC TAGS: samarium ferrocyanide, samarium alkali metal ferrocyanide, solubility, e. m. f., electric conductance

ABSTRACT: The reaction of Sm^{3+} with alkali metal ferrocyanides was subjected to solubility, e. m. f. and electric conductivity studies. In the $SmCl_3$-$M_4[Fe(CN)_6]$-H_2O system (M = Li, Na, K, Rb and Cs), when M = Li or Na, the products formed were $Sm_4[Fe(CN)_6]_3 \cdot 15H_2O$ and $NaSm[Fe(CN)_6] \cdot 3H_2O$, respectively. In the systems with K, Rb and Cs ferrocyanides, mixed ferrocyanides were formed: $MSm[Fe(CN)_6] \cdot 4H_2O$. The solubility in water was determined: $Sm_4[Fe(CN)_6]_3 \cdot 15H_2O$, 1.5×10^{-3}; $NaSm[Fe(CN)_6] \cdot 3H_2O$, 1.3×10^{-3}; $KSm[Fe(CN)_6] \cdot 4H_2O$, 2.5×10^{-4}, and $RbSm[Fe(CN)_6] \cdot 4H_2O$, 3.0×10^{-5} mol/l. Orig. art. has: 3 tables and 16 figures

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L 36698-65 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACCESSION NR: AP5005009 S/0078/65/010/002/0414/0420

13

AUTHOR: Tananayev, I. V.; Shevchenko, G. V.

C

TITLE: Samarium ferrocyanides

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 2, 1965, 414-420

TOPIC TAGS: samarium ferrocyanide, samarium alkali metal ferrocyanide, solubility, e.m.f., electric conductance

ABSTRACT: The reaction of Sm^{3+} with alkali metal ferrocyanides was subjected to solubility, e.m.f. and electric conductivity studies. In the $SmCl_3$-$M_4[Fe(CN)_6]$-H_2O system (M = Li, Na, K, Rb and Cs), when M = Li or Na, the products formed were $Sm_4[Fe(CN)_6]_3 \cdot 15H_2O$ and $NaSm[Fe(CN)_6] \cdot 3H_2O$, respectively. In the systems with K, Rb and Cs ferrocyanides, mixed ferrocyanides were formed: $MSm[Fe(CN)_6] \cdot 4H_2O$. The solubility in water was determined: $Sm_4[Fe(CN)_6]_3 \cdot 15H_2O$, 1.5×10^{-3}; $NaSm[Fe(CN)_6] \cdot 3H_2O$, 1.3×10^{-3}; $KSm[Fe(CN)_6] \cdot 4H_2O$, 2.5×10^{-4}, and $RbSm[Fe(CN)_6] \cdot 4H_2O$, 3.0×10^{-5} mol/L. Orig. art. has: 3 tables and 16 figures

Card 1/2

L 36697-65 EWT(m)/EWP(b)/EWP(t) IJP(c) JD/JG

ACCESSION NR: AP5005010 S/0078/65/010/002/0421/0424

AUTHOR: Shevchenko, G. V.; Tananayev, I. V.

TITLE: Thermal decomposition of samarium ferrocyanides

SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 2, 1965, 421-424

TOPIC TAGS: samarium ferrocyanide, thermal decomposition, samarium sodium ferrocyanide, samarium potassium ferrocyanide, samarium lithium ferrocyanide, samarium rubidium ferrocyanide, samarium cesium ferrocyanide

ABSTRACT: A thermographic study was made of the thermal decomposition under an argon atmosphere of normal samarium ferrocyanide and of the mixed samarium-alkali metal ferrocyanides. $Sm_4[Fe(CN)_6] \cdot 14H_2O$ dehydrated at 160-240C in 2 hours. Cyanide evolution occurred at 360-420; SmN formed at 450C: $Sm_4[Fe(CN)_6] \longrightarrow 3Fe(CN)_2 + 2SmC_2 + 2SmN + 4(CN)_2 + N_2$ The decomposition of $3Fe(CN)_2 \longrightarrow Fe_3C + 5C + 3N_2$ was at 610C. $NaSm[Fe(CN)_6] \cdot 3H_2O$ dehydrated at 180-250C.

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L 36697-65

ACCESSION NR: AP5005010

$4NaSm[Fe(CN)_6] \longrightarrow 4NaCN + 4Fe(CN)_2 + 2SmN + 2SmC_2 + 4(CN)_2 + N_2$

$KSm[Fe(CN)_6] \cdot 4H_2O$ dehydrated similarly at 220C; $(CN)_2$ and N_2 evolution was at 315C; but at 450C SmN was not formed:

$$2KSm[Fe(CN)_6] \longrightarrow 2KCN + 2Fe(CN)_2 + 2SmC_2 + (CN)_2 + 2N_2$$

The behavior of $RbSm[Fe(CN)_6] \cdot 4H_2O$ and of $CsSm[Fe(CN)_6] \cdot 4H_2O$ was very similar to that of the K complex, except the dehydration of the Cs compound occurred readily and in two stages at 150 and 220C. Thus the alkali metal cation affected the properties of these salts. The anhydrous $NaSm[Fe(CN)_6]$ was unstable, started to decomposed at 240C; the other anhydrous mixed complexes were stable to 320C. "The authors acknowledge G. V. Seyfer's help in the work." Orig. art. has: 5 figures, 1 table and 3 sets of equations

ASSOCIATION: None

SUBMITTED: 11Feb64 ENCL: 00 SUB CODE: MM, IC

NR REF SOV: 005 OTHER: 001

Card 2/2

SIKOV, Aleksey Ivanovich, SHEVCHENKO, Georgiy Yefimovich; FAYBISOVICH, I.L., otvetstvennyy redaktor; NADEYNSKAYA, A.A., tekhnicheskiy redaktor

[K-14 cutter-loader] Ugol'nyi kombain K-14. Moskva, Ugletekhizdat, 1956. 46 p. (MIRA 9:9)
(Coal mining machinery)

SAVEL'YEV, I.P.; ABUZAROV, A.Ya.; BOGUTSKIY, N.V.; SHEVCHENKO, G.Ye.

Work practices of a boring cutter loader in an anthracite mine. Ugol' 40 no.3:42-45 Mr '65. (MIRA 18:4)

1. Luganskiy sektor Gosudarstvennogo proyektno-konstruktorskogo i eksperimental'nogo instituta ugol'nogo mashinostroyeniya. (for Savel'yev, Abuzarov). 2. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy institut ugol'nogo mashinostroyeniya (for Bogutskiy, Shevchenko).

VERKHIVKER, G.P.; SHEVCHENKO, G.Z.

Increasing the efficiency of high-duty gas-turbine units. Trudy Od. tekh. inst. 14:31-38 '62. (MIRA 16:12)

1. Rabota vypolnena na kafedre teplotekhniki Odesskogo tekhnologicheskogo instituta. Rukovoditel' raboty - doktor tekhn. nauk prof. Gokhshteyn, D.P.

SHEVCHENKO, G.Z. [Shevchenko, H.Z.]

Something on the problem of the work of a central district drugstore. Farmatsev. zhur. 19 no.6:74-76 '64. (MIRA 18:4)

1. Upravlyayushchiy aptekoy No.32 g. Bakhmacha.

PANSHIN, I.A.; SHEVCHENKO, I.

[Principal pests and diseases of shelterbelts and methods of controlling them] Glavneishie vrediteli i bolezni polezashchitnykh lesonasazhdenii i bor'ba s nimi. Stalingrad, Obl.kn-vo, 1950. 64 p. (MIRA 12:4)

(Forest protection)

BREYTER, L. (Dnepropetrovskaya oblast'); SHEVCHENKO, I.

Progressive work methods for students. Prof.-tekh.obr. 13 no.2: 14-17 F '56. (MLRA 9:5)

1. Direktor uchilishcha makhanizatsii sel'skogo khozyayastva No. 3. (for Breyter); 2. Zamestitel' direktora po uchebno-proizvodstvennoy chasti (for Shevchenko).
(Dnepropetrovsk Province--Farm mechanization--Study and teaching)

14(1) SOV/66-59-2-17/31

AUTHOR: Troitskiy, A. and Shevchenko, I.

TITLE: Utilization of VN-180 Two-Stage Compressors (Ekspluatatsiya kompressorov dvukhstupenchatogo szhatiya VN-180)

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 2, pp 56-57 (USSR)

ABSTRACT: With reference to an article in the Nr 3 issue of the above named periodical entitled "Utilization of Four-Cylinder Two-Stage Compressors" dealing with faults of design of the ammonium 2-stage compressors turned out by Nagema Maschinenfabrik (Germany), the authors find and describe additional defects in this type of compressors which are installed in the Tula Refrigeration Warehouse. The defects concern mostly inadequate lubrication.

Card 1/1

Sib/io

SHEVCHENKO, I.

Improve methods of managing collective farms. Vop.ekon. no.11:38-41 N '59. (MIRA 12:12)

1. Sekretar' Dzhankoyskogo raykoma Kommunisticheskoy partii Ukrainy, Krymskaya oblast'.
(Dzhankoy District--Collective farms)

1. SHEVCHENKO, I.

2. USSR (600)

4. Moving Pictures - Rakhovskiy Administrative Area

7. Moving-picture theater at Rakhovshchina. Kinomekhanik, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SHEVCHENKO, I., brigadir truboprokatnogo stana.

We strive for technical progress. Sov. profsoiuzy 5 no.5:16-17 My '57. (MLRA 10:6)

(Dnepropetrovsk--Rolling mills)

SHEVCHENKO, I.

Sound - Recording and Reproducing

Inclusion of sound pickup in the "Rodina" radio receiver.
Radio No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 Unclassified.

SHEVCHENKO, I. (p. Rakhov, Zakarpatskaya oblast', USSR).

Radio in the villages of Transcarpathia. Radio no.2:7 F '54.
(MLRA 7:2)

(Transcarpathia--Radio) (Radio--Transcarpathia)

SHEVCHENKO, I.

107-8-17/62

AUTHOR: Shevchenko, I. (Village of Kvasy, Transcarpathian province)

TITLE: There is a Radio Receiver in Every Transcarpathian Peasant's Home. (Radio imeyetsya v khate kazhdogo gutsula).

PERIODICAL: Radio, 1957, # 8, p 12, col 2 (USSR)

ABSTRACT: In the remote RAKHOV district there are almost 5,000 radio sets. This year, their number will be increased by 400. In the village Kobiletskaya Polyana there are 350 wire relay receivers and about 80 radios. About 1000 receivers are connected to the radio relay center in the village Velikiy Bychkov.

In 1957 the villages Bogdan, Kvasy and Bilin received 450 wire relay receivers.

Also cattle-breeding farms have received sets.

INSTITUTION: None

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress

Card 1/1

SHEVCHENKO, I.A.

Diagnosis of cancer of the stomach using the cytological method of study. Terap.arkh. 33 no.8:45-49 '61. (MIRA 15:1)

1. Iz kafedry voyenno-morskoy i gospital'noy terapii (nach. - prof. Z.M. Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(STOMACH--CANCER) (DIAGNOSIS, CYTOLOGIC)

KRYLOV, A. A., kand. med. nauk; SHEVCHENKO, I. A. (Leningrad)

Case of Addison - Biermer anemia with a positive Coombs test. Klin. med. no.8:126-127 '61. (MIRA 15:4)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(PERNICIOUS ANEMIA)

SHEVCHENKO, I. A. (Leningrad, F-68, Fontanka, 139, kv. 9)

Exfoliative cytologic diagnosis of cancer of the stomach. Vop. onk. 8 no.3:48-57 '62. (MIRA 15:4)

1. Iz kafedry Voyenno-morskoy i gospital'noy terapii (nach. - prof. Z. M. Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii im. S. M. Kirova.

(STOMACH--CANCER) (DIAGNOSIS, CYTOLOGIC)

SHEVCHENKO, I.A.

Relation of the results of a cytologic examination to the clinical and morphological characteristics of stomach tumors. Vop. onk. 11 no.8:23-27 '65. (MIRA 18:11)

1. Kafedra voyenno-morskoy i gospital'noy terapii (nachal'nik prof. Z.M.Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

81629
S/181/60/002/06/17/050
B122/B063

24.7700
AUTHORS: Konorov, P. P., Shevchenko, I. B.

TITLE: Electrical Conductivity and Photoelectric Properties of Layers of Cadmium and Zinc Telluride

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 6, pp. 1134 - 1140

TEXT: The data available in publications on this subject are briefly discussed in the introduction. The present paper deals with the development of electrical conductivity and the photoelectric properties in cadmium and zinc telluride. CdTe and ZnTe layers of different thickness were prepared (by vaporization onto a glass backing), and their electrical conductivity and their change by the action of light were determined from the current passing through the samples. The spectral characteristic of photoconductivity was taken with the aid of an infrared spectrometer ИКС-11 (IKS-11) with a universal monochromator УМ-2 (UM-2). The resistivity of the samples was 10^7-10^8 ohm·cm, and did not vary with rising thickness of the samples. In samples, that had been vaporized on a hot base (350-400°C), resistivity

Card 1/3

ACCESSION NR: AP4020958 S/0051/64/016/003/0467/0474

AUTHOR: Benderskiy, V.A.; Shevchenko, I.B.; Blyumenfel'd, L.A.

TITLE: Electric and magnetic properties of donor-acceptor crystals. 1. Complexes formed by strong donors and acceptors

SOURCE: Optika i spektroskopiya, v.16, no.3, 1964, 467-474

TOPIC TAGS: EPR spectrum, absorption spectrum, dark conductivity, donor acceptor crystal, donor acceptor complex, complex crystal, chloranil, tetra-chloroquinone, para-phenylenediamine, benzidine, iodine, charge exchange, polar crystal model

ABSTRACT: The electric and magnetic properties of complexes with charge transfer in the solid phase have attracted the attention of many investigators. (A review of recent research in the field has been published by L.A.Blyumenfel'd and V.A.Benderskiy, Strukturnaya khimiya,4,405,1963.) The present work was devoted to investigation of the EPR spectra, the absorption spectra in the visible and infrared regions, and the dark conductivity, as well as the temperature dependences of these parameters, of complexes of chloranil (tetrachloroquinone) with para-phenylenediamine (1) and benzidine with iodine (2). The EPR spectra were recorded by means of a standard

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ACCESSION NR: AP4020958

EPR spectrometer with provision for maintaining the sample at temperatures from 90 to 380°K. The dark conductivity was investigated by the potentiometric method. Most of the measurements were made on compacted powder pellets, but some were made using single crystals (complex 1 only). The absorption spectra were measured using SF-4 and IKS-14 spectrophotometers with the specimens in the form of sublimated layers. The EPR spectrum of complex 1 was also obtained in methyl alcohol solution. The results are presented in the form of curves. Single crystals of complex 1 exhibit a single narrow EPR peak (0.4 Oe) with a complex exponential temperature dependence. The activation energy for exchange interaction agrees with the energy for excitation of the host to the magnetic state. The activation energy is not connected with singlet-triplet splitting. In the case of complex 2 the anisotropy of the EPR signal depends on temperature. The peaks in the absorption spectra agree with the values of the activation energy for dark conduction: 1.17 and 0.48 eV for complexes 1 and 2, respectively. The infrared absorption spectra of the complexes differ markedly from the spectra of the constituent components. The results are discussed from the standpoint of the crystal model with low-lying polar states. Orig.art.has: 5 figures and 2 tables.

Card 2/3

ACCESSION NR: AP4034942 S/0181/64/006/005/1542/1544

AUTHORS: Benderskiy, V. A.; Blyumenfel'd, L. A.; Shevchenko, I. B.; Al'tshuler, T. S.

TITLE: Electrical and magnetic properties of donor acceptor crystals

SOURCE: Fizika tverdogo tela, v. 6, no. 5, 1964, 1542-1544

TOPIC TAGS: electric property, magnetic property, donor acceptor crystal, organic semiconductor, aromatic amine, aromatic hydrocarbon, chloranil, bromanil

ABSTRACT: So many theories have been proposed for the generation of carriers in organic semiconductors that the authors sought to weigh the evidence and uncover the proper theory. They compared the activation energies of conduction with the position of the band of carrier displacement in weak donor-acceptor systems in both solid and liquid phases. They examined complexes of chloranil and bromanil with aromatic amines (o-aminophenol, n-bromanalid, and diphenylamine) and aromatic hydrocarbons (pyrene and stilbene). In all these complexes the absorption bands of the films proved to be identical to the spectra of the solutions. Change in the aggregate state did not lead to expansion of the band, and the shift in the band did not exceed 0.07 ev. For the hydrocarbons the band

Card 1/2

SHEVCHENKO, I.D.

Linden

Time for gathering and sowing seeds of littleleaf linder (Tilia cordata). Les. i step' 4, no. 8, 1952.

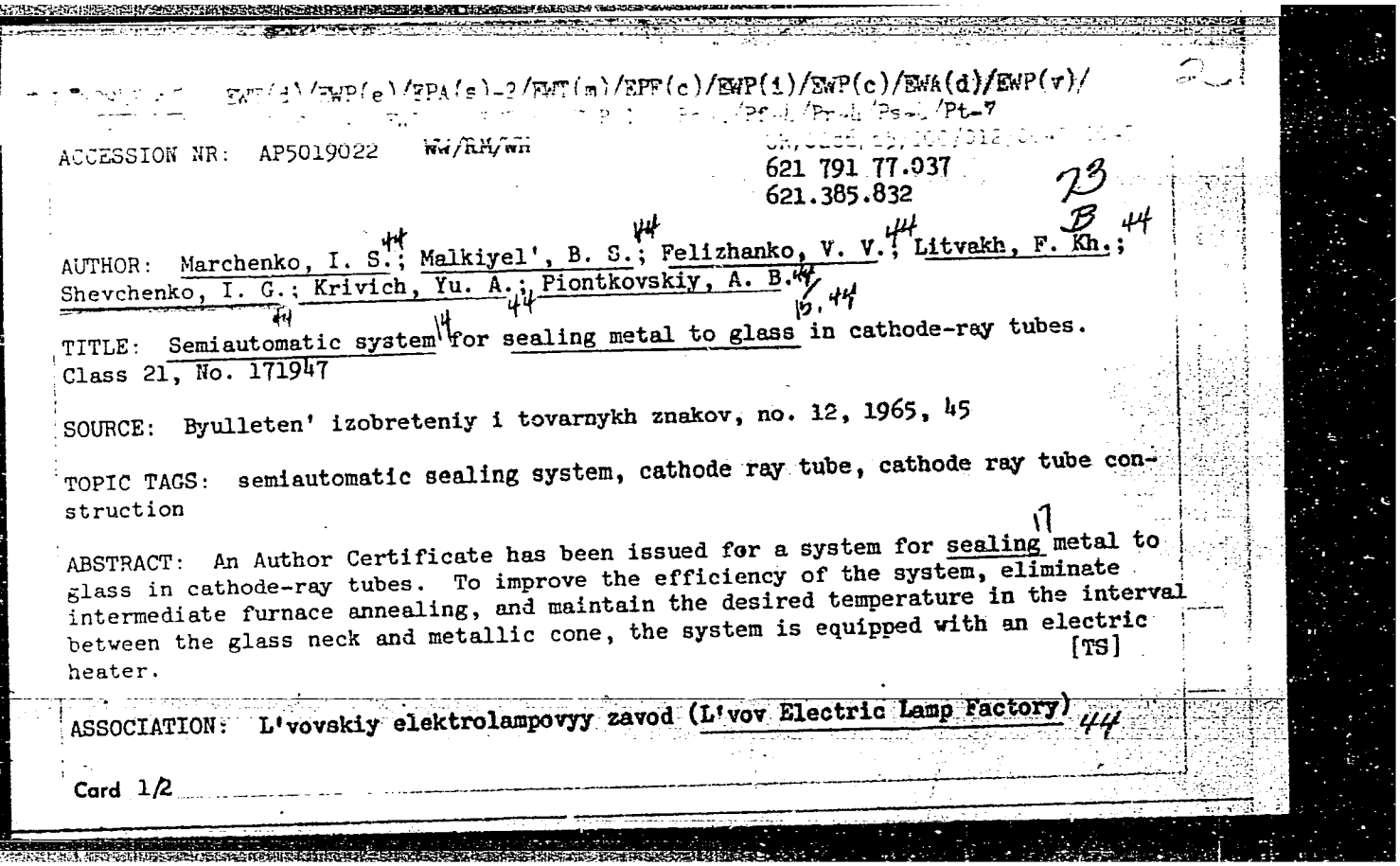
9. Monthly List of Russian Accessions, Library of Congress, NOVEMBER 1952 ~~1953~~, Uncl.

ZVENIGORODSKIY, G.K., inzh.; LESHCHINSKIY, S.N., inzh.; SHEVCHENKO, I.F., inzh.

Over-all mechanization of concreting operations in industrial construction. Mekh.stroi. 18 no.9:16-17 S '61. (MIRA 14:10)
(Bashkiria--Concrete construction)

SHEVCHENKO, Ivan Feodosiyevich, zasl. deyat. nauki prof.; GORODYSKIY, Vladimir Ivanovich, dots.; YUNDA, I.F., red.

[Polarography in medicine and biology] Poliarografiia v meditsine i biologii. Kiev, Gosmedizdat USSR, 1964. 133 p. (MIRA 17:5)



EWT(d)/EWP(e)/EPA(s)-2/EWT(m)/EPF(c)/EWP(i)/EWP(c)/EWA(d)/EWP(v)/ /Pt-7

ACCESSION NR: AP5019022 WW/RM/WH

621 791 77.037
621.385.832

AUTHOR: Marchenko, I. S.; Malkiyel', B. S.; Felizhanko, V. V.; Litvakh, F. Kh.; Shevchenko, I. G.; Krivich, Yu. A.; Piontkovskiy, A. B.

TITLE: Semiautomatic system for sealing metal to glass in cathode-ray tubes. Class 21, No. 171947

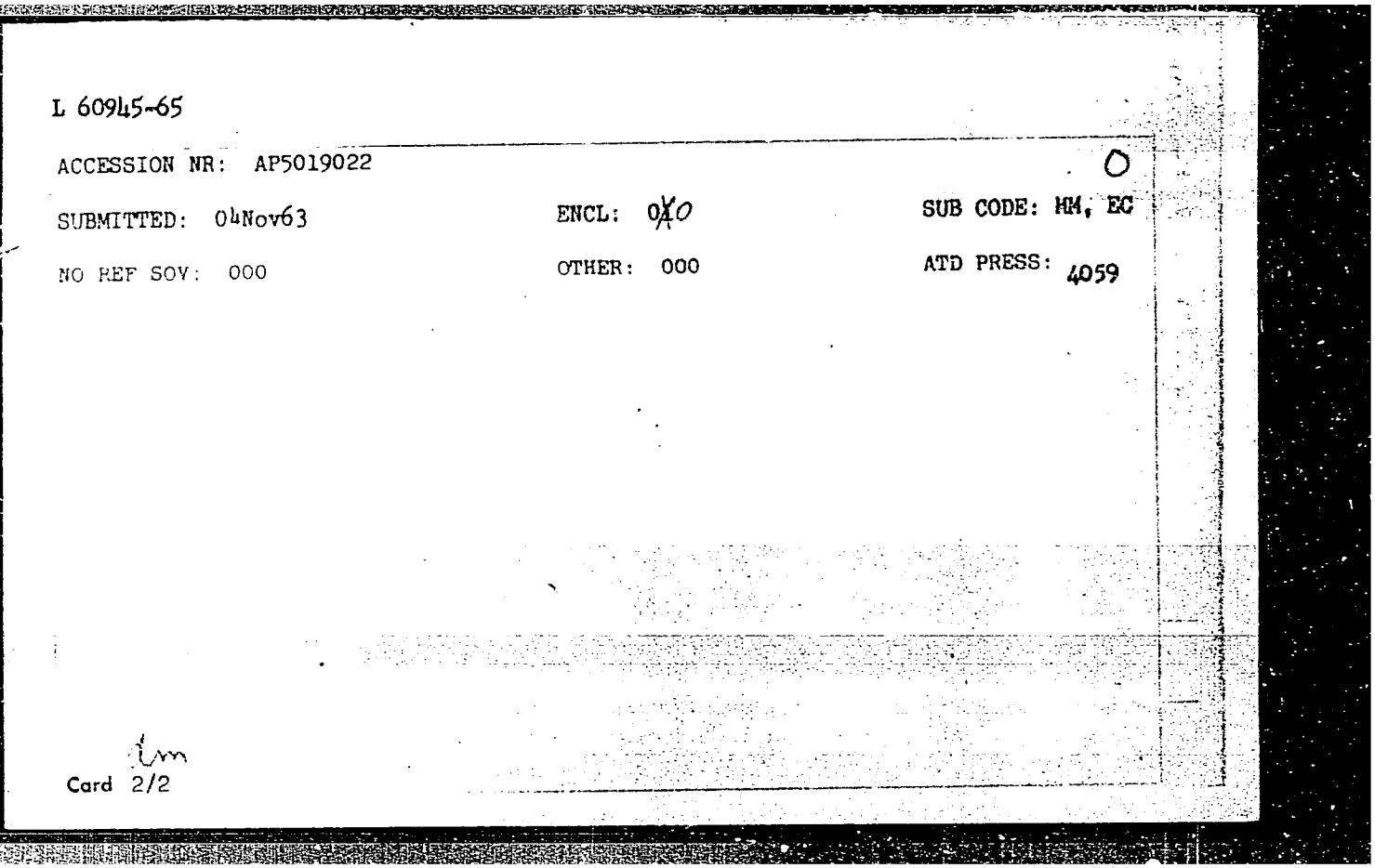
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 45

TOPIC TAGS: semiautomatic sealing system, cathode ray tube, cathode ray tube construction

ABSTRACT: An Author Certificate has been issued for a system for sealing metal to glass in cathode-ray tubes. To improve the efficiency of the system, eliminate intermediate furnace annealing, and maintain the desired temperature in the interval between the glass neck and metallic cone, the system is equipped with an electric heater. [TS]

ASSOCIATION: L'vovskiy elektrolampovyy zavod (L'vov Electric Lamp Factory)

Card 1/2



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ACCESSION NR: AP5019022 O

SUBMITTED: 04Nov63 ENCL: 0X0 SUB CODE: MM, EC

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4059

tm

Card 2/2

SHEVCHENKO, I.G.

Defects of the Duncan-Stewart rotating diffuser. Sakh.prom. 35 no.7:31-32 Jl '61. (MIRA 14:7)

1. Ul'yanovskiy sakharnyy zavod.
(Diffusers)

SHVAREV, B.L., inzh.; SHEVCHENKO, I.G.

Improving business accounting. Put' i put.khoz. 9 no.4:21-22 '65.
(MIRA 18:5)

1. Nachal'nik Aksakovskoy distantsii Kuybyshevskoy dorogi.

SHEVCHENKO, I.L.

The success is a result of a high level of technical education. Bezop. truda v prom. 8 no.9:33-34 S '64 (MIRA 18:1)

1. Gornotekhnicheskiy inspektor Severo-Osetinskoy rayonnoy gornotekhnicheskoy inspektsii.

30801
S/181/61/003/011/048/056
B104/B138

9.4177 (1035,1051)
26.2421

AUTHORS: Sëra, T. Ya., Serdyuk, V. V., and Shevchenko, I. M.

TITLE: The effect of γ-irradiation on spectral distribution of photo-sensitivity in CdS single crystals

PERIODICAL: Fizika tverdogo tela, v. 3, no. 11, 1961, 3537-3539

TEXT: The experiments were carried out on single crystals of CdS with a photo-sensitivity spectrum with two maxima (Fig.). The crystals were exposed to a cobalt 60 milliroentgens radiation. Photoconductivity decreased and the maxima vanished, but in most cases a very low level of sensitivity remained through the visible range of the spectrum (Fig., curves 2 and 3). The variations in photo-sensitivity in CdS single crystals due to γ-irradiation were stable. In essence, the interaction of a γ-radiation with the atoms of single crystals is a Compton effect which means there is bombardment of the substance with electrons, and multiple ionization of the atoms. First the sulfur atoms are ionized until they become positively charged and are displaced to interstitial sites under the action of the field of surrounding ions. A considerable number of

Card 1/2

The effect of γ-irradiation ...

negative ion vacancies are thereby created, and impurity levels are formed in the forbidden band of the crystal, which play the role of recombination levels for photo-electrons. There are 1 figure and 7 references: 3 Soviet and 4 non-Soviet.

ASSOCIATION: Odesskiy gosudarstvennyy universitet im. I. I. Mechnikova (Odessa State University imeni I. I. Mechnikov)

SUBMITTED: May 15, 1961 (initially) July 14, 1961 (after revision)

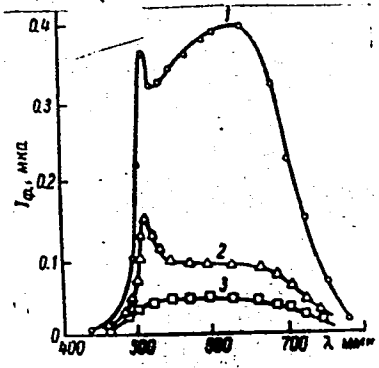

Fig. The spectral distribution of the photo-current of a CdS single crystal.
Legend: (1) before irradiation; (2) after a 24-hour irradiation; (3) after a 48-hour irradiation.

Card 2/2

L 38440-66

ACC NR: AP6024528

2

The diffusion layer in iron consisted of a solid solution of titanium in iron with inclusions of iron titanides and iron borides. The diffusion layer in ZhS6-K alloy obtained in the mixture of boron carbide and borax consisted of a homogeneous surface zone containing nickel boride having a microhardness of 1300 kg/mm^2 and an inner zone containing a nickel-base solid solution with inclusions of intermetallic compounds. The microhardness of this zone was 600—800 kg/mm^2. The inward diffusion of boron is accompanied by the outward diffusion of the alloy components. The diffusion layer produced by cementation in titanium consisted of three zones. The outer zone had a high content of intermetallic compounds and a microhardness of 700—800 kg/mm^2. The middle and inner zones consisted of nickel-base solid solutions. Subsequent cementation of boronized alloy in titanium produced a three-zone diffusion layer with an outer zone having a thickness of 40 μ and a microhardness of 1890 kg/mm^2. The subsequent boronizing of titanized alloy produced no changes in the structure of the diffusion layer. Orig art. has: 6 figures. [DV]

SUB CODE: 11, 13/ SUBM DATE: 18Jan65/ OTH REF: 002/ ATD PRESS: 5042

Card 2/2

ACC NR: AP6030864 SOURCE CODE: UR/0365/66/002/005/0576/0580

AUTHOR: Zemskov, G. V.; Kogan, R. L.; Dombrovskaya, Ye. V.; Kostenko, A. V.; Shevchenko, I. M.; Koss, Ye. V.; Fadeyeva, E. V.; Khmelevskaya, M. Ye.; Mikotina, N. F.

ORG: Odessa Polytechnical Institute (Odesskiy politekhnicheskiy institut)

TITLE: Protective diffusion coatings of nickel alloy

SOURCE: Zashchita metallov, v. 2, no. 5, 1966, 576-580

TOPIC TAGS: nickel chromium alloy, aluminum containing alloy, titanium containing alloy, tungsten containing alloy, protective coating, corrosion resistance, diffusion coating alloy, alloy oxidation resistance/ZhS6-K alloy

ABSTRACT: A series of diffusion coatings were tested for protection of ZhS6-K nickel base alloy (0.13—0.20% carbon, 10.5—12.5% chromium, 5—6% aluminum, 2.5—3% titanium, 2.5—3% tungsten, 4.5—5.5% molybdenum, 0.13—0.20% boron) against gas corrosion in a mixture of products of sulfurous fuel combustion and sea water vapors after all attempts to improve alloy oxidation resistance by alloying failed. Alloy specimens were diffusion coated with one or two elements used simultaneously or one after the other. The coating was done by a pack cementation at 900—1000C for 10 hr. Chromium, aluminum, silicon, titanium, boron, cerium, beryllium and magnesium were used as single-element coatings. Chromium with titanium, silicon, aluminum, or boron; aluminum with boron, cerium, or titanium; titanium with silicon or boron; manganese with boron;

Card 1/4 UDC: 621.793.4

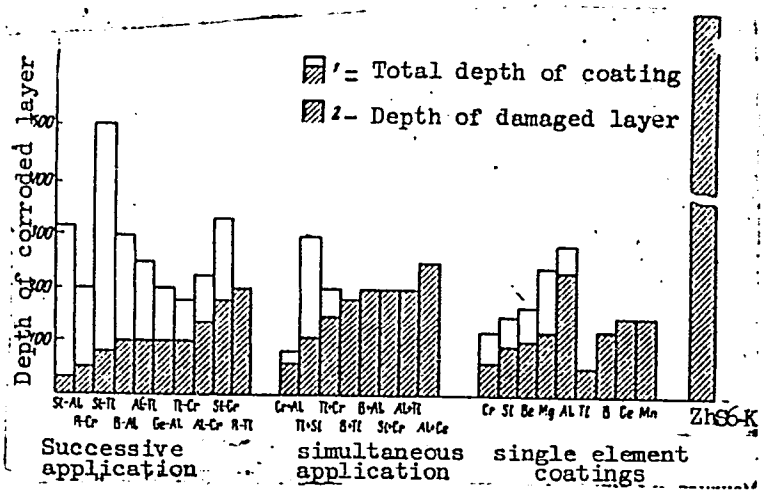

Fig. 2. Depth of corrosion in coated and uncoated ZhS6-K alloy.

cerium with boron; and silicon with aluminum were used for binary coatings. Corrosion tests were done in combustion products containing 0.74% and 0.11% sea water at 900C for 15 hr. It was found that all the coatings tested have a higher corrosion resistance than the uncoated alloy (see Fig. 1). Binary coatings protect the alloy more efficiently than single-element coatings, especially with the consecutive method of

L 44077-66

ACC NR: AP6030864

application. Coatings obtained by this method have a higher concentration of elements and a more uniform structure of the surface layer than the coatings applied by other methods. Orig. art. has: 5 figures. [ND]

SUB CODE: 11, 13/ SUBM DATE: 13Jul65/ ATD PRESS: 5077

awm

Card 4/4

S/524/62/018/000/001/002
A006/A101

AUTHORS: Savenkov, V. Ya., Candidate of Technical Sciences, Shevchenko, I. N., Engineer

TITLE: Investigating the effect of zirconium upon the structure and properties of carbon steel

SOURCE: Akademiya nauk Ukrayinskoyi RSR. Instytut chornoyi metalurhiyi. Trudy. v. 18, 1962. Metallovedeniye i termicheskaya obrabotka stali i chuguna. 67 - 72

TEXT: The effect of zirconium upon the structure and properties of wheel steel (C - 0.56%, Mn 0.66%, Si 0.21%, P 0.019% and S 0.027%) was studied on five heats without Zr and with different amounts of Zr of the following composition (in %): Zr 50.98, Si 21.88; Al 6.90; Fe 19.53, Ti 1.73 P 0.10 and C 0.15. The investigations included the determination of the effect of Zr upon the structure of cast steel and the proneness to austenite grain growth; the effect of Zr and of the tempering temperature upon changes in the properties of steel quenched at 300, 400, 500 and 600°C; and the effect of Zr upon microhardness of ferrite.

Card 1/2

SHEVCHENKO, Ivan Nikiforovich; STARETS, R., red.; POLTORAK, I., tekhn. red.

[New equipment and technology in the silk industry] Novaia tekhnika v shelkovoi promyshlennosti. Stalinabad, Tadzhikgosizdat, 1961. 39 p. (MIRA 15:8)
(Textile machinery) (Silk manufacture)

SHEVCHENKO, I.N. (Moskva)

Characteristics of the new arithmetic textbook. Mat.v shkole no.3: 3-5 My-Je '56. (MLRA 9:8)

(Arithmetic)

SHEVCHENKO, Ivan Nikitich; TSVETKOV, I.L., red.; SHAPOSHNIKOVA, A.A., red.; TARASOVA, V.V., tekhn. red.

[Elements of approximate computation] Nachal'nye svedeniia o priblizhennykh vychisleniiakh. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1958. 34 p. (MIRA 11:7)
(Approximate computation)

SHEVCHENKO, I.N.

Historical elements in mathematics teaching. Izv. APN no.92:199-229 '58. (MIRA 11:6)
(Mathematics--Study and teaching) (Mathematics--History)

SHEVCHENKO, Ivan Nikitin; GUS'KOV, G.G., red.; LAUT, V.G., tekhn. red.

[Methods of teaching common fractions] Metodika prepodavaniia obyknovennykh drobei. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1958. 129 p. (MIRA 14:7)
(Fractions—Study and teaching)

SHEVCHENKO, I.N.

Morphological changes and radioactivity of the blood in chronic leukemia treated with radioactive phosphorus. Trudy Kiev. nauch.-issl. inst. perel. krovi i neotlozh. khir. 3:237-242 '61. (MIRA 17:10)

1. Kiyevskiy institut perelivaniya krovi.

SHEVCHENKO, Ivan Nikitich; TSVETKOV, I.L., red.; SHAPOSHNIKOVA, A.A., red.; TARASOVA, V.V., tekhn. red.

[Methodology of teaching arithmetic in grades 5 and 6] Metodika prepodavaniia arifmetiki v V-VI klassakh. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 389 p. (MIRA 14:12)
(Arithmetic—Study and teaching)

SHEVCHENKO, I.N.

Analysis of low- and medium-alloyed steels with the ST-7 spectrophotometer. Zav. lab. 30 no.6:705 '64 (MIRA 17:8)

1. Institut elektrosvarki AN UkrSSR.

SAVENKOV, V.Ya., kand.tekhn.nauk; SHEVCHENKO, I.N., inzh.

Investigating the effect of zirconium on the structure and properties of carbon steel. Trudy Inst. chern. met. AN URSR 18:67-72 '62. (MIRA 15:9)

(Steel—Metallography)

DANILENKO, A.I. [Danylenko, A.I.]; SHEVCHENKO, I.N. [Shevchenko, I.M.]

Beta-radiation in human blood in cancer and certain blood diseases. Fiziol.zhur. 6 no.1:114-117 Ja-F '60. (MIRA 13:5)

1, Institut fiziologii im A.A. Bogomol'tsa AN USSR, laboratoriya biofiziki.
(BETA RAYS) (CANCER) (BLOOD)

SHEVCHENKO, I. S.

SHEVCHENKO, I. S. "Data on the Study of Mosaic of Sugar Beets in the Phyto-pathological Section of the Kharkov Oblast Experiment Station 1928-1929," in Mosaic Diseases of Sugar Beets: a Collection of Articles, Publishing House of the Variety-Seed Administration of the State All Union Association of Sugar Industries, Kiev, 1930, pp. 67-98. 464.04 Sa2

SO: SIRA SI-90-53, 15 Dec 1953

VAKULIN, A.A.; V'YUNOV, S.F.; GORIN, T.I.; IVASHCHENKO, P.S.; KOMOVA, A.G.; KORNEYEV, V.A.; KOROSTELEVA, M.Ya.; LOBACHEV, A.Ya.; LASHMANOV, I.Ya.; MALYCHENKO, V.V.; MOROZOVA, A.M.; PANSHIN, I.A.; PROSVIROV, A.S.; ROZHKOVA, M.V.; YUROVA, N.F.; FEDORENKO, V.P.; TSEKHMISTRENKO, P.Ye.; SHEVCHENKO, I.S.; FEDOROV, N.A., red.; IZHBOLDINA, S.I., tekhn.red.

[Brief manual on the cultivation of fruits, berries, and grapes and the management of nurseries in Stalingrad Province] Kratkii spravochnik po plodovo-iagodnym kul'turam, vinogradu i pitomnikam dlia Stalingradskoi oblasti. Stalingrad, Stalingradskoe knizhnoe izd-vo, 1960. 215 p. (MIRA 14:3)

1. Stalingrad (Province) Upravleniye sel'skogo khozyaystva. (Stalingrad Province--Fruit culture)

ASTAKHOV, Aleksey Illarionovich; DEGTYAREV, Aleksey Petrovich, inzh.; DUBININ, V.I.; REYSH, A.K.; SHEVCHENKO, I.S.; TABUNINA, M.A., red.izd-va; GOL'BERG, T.M., tekhn. red.

[Excavator works] Ekskavatornye raboty. Pod red. A.P. Degtiareva. Moskva, Gosstroiizdat, 1962. 363 p. (MIRA 16:5)

(Excavating machinery)

SHEVCHENKO, I. T.

SHEVCHENKO, I. T. "The treatment of purulent wounds with naphthalene salve", Vracheb. delo, 1948, No. 12, paragraphs 1105-06.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

SHEVCHENKO, I. T.

Shevchenko, I. T. "The tissue method of diagnosing intestinal cancer", Vracheb. delo, 1949, No. 5, paragraphs 405-08.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

SHEVCHENKO, I.T.; HORODYS'KYY, V.I.

Role of the polarographic method in the diagnosis of malignant tumors. Medych. zhur. 22 no.5:80-85 '52. (MLRA 6:10)

1. Kyyivs'kyy rentgeno-onkologichnyy instytut. (Tumors)

SHRAMENKO, A.I., kandidat meditsinskikh nauk; SHEVCHENKO, I.T., dodsent, direktor.

Lesions of the urinary bladder and of the rectum complicating radium and mesothorium therapy of gynecological diseases. Akush.i gin. no.2:51-57 Mr-Ap '53. (MLRA 6:5)

1. Kiyevskiy nauchno-issledovatel'skiy rentgeno-radio-onkologicheskiy institut.
(Genitourinary organs--Diseases) (Radium--Physiological effect)
(Mesothorium--Physiological effect)

ARUNGAZYYEV, V.Yu., kandidat meditsinskikh nauk, rukovoditel'; SHEVCHENKO, I.T., professor, direktor.

Chronic volvulus of the stomach. Vest.rent.i rad. no.3:31-37 My-Je '53. (MLRA 6:8)

1. Rentgenodiagnosticheskoye otdeleniye Kiyevskogo rentgeno-radiologicheskogo i onkologicheskogo instituta (for Arungazyyev). 2. Kiyevskiy rentgeno-radiologicheskiy i onkologicheskiy institut (for Shevchenko).
(Stomach--Diseases)

TAKHCHI, L.D.; ARUNGAZYYEV, V.Yu., kandidat meditsinskikh nauk, zaveduyushchiy; SHEVCHENKO, I.T., professor, doktor meditsinskikh nauk, direktor.

Myxoma of the lower jaw. Stomatologiia no.4:51-52 Jl-Ag '53. (MLRA 6:9)

1. Rentgenodiagnosticheskoye otdeleniye Kiyevskogo rentgeno-radiologicheskogo i onkologicheskogo instituta (for Arungazyyev and Takhchi). 2. Kiyevskiy rentgeno-radiologicheskiy i onkologicheskiy institut (for Shevchenko). (Jaws--Tumors)

SHEVCHENKO, I.T.

The application of radioactive phosphorus for diagnosis of malignancy of mammary gland (a preliminary communication). [illegible] Zabolotskii [illegible] and [illegible] 1954 [illegible]. The concn. of P^{32} [illegible] mammary glands was investigated in [illegible] women with malignancies and 7 women with benign swellings of the gland, 9 women with mastoids, and [illegible] normal women 24 hrs. after the ingestion of [illegible] 12 mc. of Na_2HPO_4-P^{32}. The greatest concn. of P^{32} was found in malignant glands (21 to 600% over normal). The concn. of P^{32} in benign tumors exceeded that in normal glands by 0.1 to [illegible]%. The left or the right mammary gland of normal individuals stored the same amt. of P^{32}. The pathology of the glands was confirmed by histological examns.

J. A. Stekol

SHEVCHENKO, I.T., professor; YUNDA, I.F.

Gastric cancer following application of gastrointestinal anastomosis
Khirurgiia no.7:75-79 Jl '54. (MLRA 7:10)

1. Iz onkologicheskoy kliniki (dir. prof. I.T.Shevchenko) Kiyevskogo rentgeno-radio-onkologicheskogo instituta i Kiyevskogo instituta usovershenstvovaniya vrachey.
(STOMACH, neoplasms,
after gastro-intestinal anastomosis for peptic ulcer)
(PEPTIC ULCER, surgery,
gastro-intestinal anastomosis, postop. gastric cancer)

SHEVCHENKO, I.T.; GORODIS'KIY, V.I.; VESELA, I.V.; ROSTOVTSEVA, O.M.

Relation of dehydrase activity to the level of the polarographic waves. Medych.zhur. 24 no.6:50-53 '54. (MLRA 8:7)

1. Kiivs'kiy rentgen-radiologichniy i onkologichniy institut.
(DEHYDROGENASE,
polarography, relation of dehydrogenase activity to level of polarographic waves)
(POLAROGRAPHY,
of dehydrogenase, relation of dehydrogenase activity to level of polarographic waves)

SHEVCHENKO, I.T., ZNACHKOVSKIY, N.G., GORODYSKIY, V.I.

"Application of Radioactive Phosphorus in Diagnosing the Cancer of Mammary Glands" p. 96, in the book Experience in the Use of Radioactive Isotopes in Medicine R. Ye. KAVETSKIY and I.T. SHEVCHENKO, published by the Gosmedizdat Publishing House of the UKRAINIAN SSR, KIEV 1955, represents medical transactions of a conference held in KIEV from 18-20 January 1954.

So: 1100235

KAVETSKIY, R.Ye., redaktor; SHEVCHENKO, I.T., redaktor

[Experience in using radioactive isotopes in medicine] Opyt primeneniia radioaktivnykh izotopov v meditsine. Kiev [Gosmedizdat] USSR, 1955. 300 p. (MLRA 10:3)
(RADIOLOGY, MEDICAL)

USSR/General Problems of Pathology - Tumors. Metabolism. U.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98165

Author : Shevchenko, I.T., Gorodynskiy, V.I.

Inst : Kiev Scientific Research Roentgenoradiologic and Oncologic Institute.

Title : Polarographic Method in Diagnosis of Carcinoma and Precarcinomatous Condition.

Orig Pub : Uch. zap. Kiyevsk. n.i. rentgenoradiol. i. onkol. in-t, 1955, 5, 331-340.

Abstract : By polarographic investigation of a protein-free filtrate (PF) of rat's blood, on the 7th - 10th day after transplantation of a tumor, the polarographic curve (PC) rose. After removal of tumor, PC decreased to standard on the 10-12th day. The heigh of PC of PF of blood of patients with malignant tumors in 565 cases out of 567 was

Card 1/2

SHEVCHENKO, Ivan Teodos'yevich, professor; KORENEVSKIY, L.I., redaktor; GITSHTEYN, A.D., tekhnicheskiy redaktor

[Principles of cancer prevention] Osnovy profilaktiki raka. Izd. 2-oe, dop., ispr. i perer. Kiev, Gos. med. izd-vo USSR, 1956. 187 p. (CANCER) (MLRA 10:1)

SHEVCHENKO, Ivan Teodos'yevich

[New methods for diagnosis in oncology and roentgenology] Novye metody diagnostiki v onkologii i rentgenologii. Kiev, Gos. med. izd-vo USSR, 1957. 311 p. (MIRA 11:4)
(TUMORS) (X RAYS)

2419. **Cancer of the breast and pre-existing diseases (Russian text)** SHEVCHENKO I. T. *Nov. Khir. Arkh.* 1957, 3 (3-9)

A report is presented regarding the results of treatment of 658 in-patients and 814 out-patients with malignant tumours of the breast and 2,680 patients with benign tumours. According to the records the 10-year survival rate of patients who had cancer of the breast was 67.2%. Analysis of case histories of 2,680 patients with pretumorous and other benign diseases of the breast showed that the most dangerous are the localized fibro-adenomas with cystic changes (cancer was diagnosed in 7.44% of such patients). The fibro-adenomas became malignant in 2% of the cases. Cancer resulting from hormonal disturbances was observed in 42.35% of the patients. Pre-existing diseases must be considered when the method of treatment is selected. Hormone therapy may be employed in cases of diffuse adenoma. A biopsy is taken in cases of localized and cystic fibro-adenomas. Fibro-adenomas should be operated on in patients over 30 yr. of age and also in cases of steady growth or where aggravating factors are present (pregnancy, lactation). Intracanalicular papilloma and choristoma should be operated upon. Patients with mastitis must be studied. In all stages of cancer, a combined treatment consisting in the application of X-ray and hormone-therapy together with other methods of treatment is advocated.

SHEVCHENKO, I.T., prof. (Kiyev)

Total fluorography and its significance in oncology. Vest.rent. i rad. 32 no.6:67-69 N-D '57. (MIRA 11:3)

1. Iz Kiyevskogo instituta usovershenstvovaniya vrachey i Kiyevskogo rentgeno-radiologicheskogo i onkologicheskogo instituta.
(FLUROSCOPY
total fluorography, importance in oncology. (Rus)
(NEOPLASMS, diagnosis,
total fluorography (Rus)

SHEVCHENKO, I.T., KORENEVSKIY, L.I., RUCHKOVSKIY, B.S.

Course of development of oncology in the Ukrainian SSR during the last 40 years (1917-1957). Vop.Onk.4 no.4:501-504 '58 (MIRA 11:9)

1. Iz Kiyevskogo rentgeno-radiologicheskogo i onkologicheskogo instituta (dir. - prof. I.T. Shevchenko).
(NEOPLASMS, prev. & control.
oncol. develop. in Ukrainian SSR (Rus))

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Compound and pathogenetic therapy in advanced cancer. Nov. khir. arkh. 5:3-8 S-O '58. (MIRA 12:1)

1. Kiyevskiy rentgeno-radiologicheskiy onkologicheskiy institut i kafedra onkologii Kiyevskogo instituta usovershenstvovaniya vrachey. (CANCER)

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Cancer of the tongue and preceding diseases. Khirurgiia 35 no. 11:86-93 N '59. (MIRA 14:1)

(TONGUE--CANCER)

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[Transactions of the Second Oncological Congress and the Third Congress of Radiologists of the Ukrainian S.S.R., Kiev, June 18-24, 1956] Trudy II s"ezda onkologov i III s"ezda rentgenologov i radiologov USSR, 18-24 iiunia 1956 g.g. Kiev, Gos.med.izd-vo USSR, 1959. 678 p. (MIRA 13:7)

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SHEVCHENKO, I.T., prof. (Kiyev, ul. Panfilovtsev, d.18); POKROVSKIY, S.A., prof.; GANINA, K.P., starshiy nauchnyy sotrudnik

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