"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

GEL'PERIN, N.I.; PEBALK, V.L.; ROZOV, V.N.; ASSMUS, M.G.; MILOVANOVA, I.B.

Extractive purification of nickel solutions from iron and copper impurities. TSvet.met. 36 no.2:37-42 F '63. (MIRA 16:2)

(Nickel--Electrometallurgy) (Electrolytes) (Extraction (Chemistry))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

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Rozov, V. N.

3

Extraction of cobalt from solution in the electrolysis of nickel. V. N. Rozov. U.S.S.R. 104,253, Nov. 25, 1956. Cl is passed through the soln. and at the same time the soln. is neutralized with $NiCO_3$. U.S.S.R. 104,254 (to G. O. Kasherininov). The process is improved by first satg. the soln. with Cl and then neutralizing it. The chlorination is [illegible] column. M. Hosch

1

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

S/136/62/000/003/001/008
E021/E435

AUTHORS: Milovanova, I.B., Kreymer, S.Ye., Rozov, V.N.

TITLE: Extraction method of purifying a nickel electrolyte from impurities

PERIODICAL: Tsvetnyye metally, no.3, 1962, 38-42

TEXT: The possibility of changing the existing methods of purifying nickel electrolyte from iron and copper to an extraction method was investigated. The conditions were worked out in the laboratory using the salts of fatty acids of fractions C_{10}-C_{13} as an extracting reagent. These are practically insoluble in the electrolyte and regenerated to take part in the reaction many times. The method was then proved on large-scale tests. The preparation of a nickel soap is a simple operation consisting of loading into a reaction chamber fatty acids, nickel solution and soda solution. The mixture is heated to 65 - 70°C and mixed for 20 to 30 minutes. Stratification is allowed to take place at the same temperature for 20 to 30 minutes. Soaps with different nickel concentrations can be prepared; in the present experiments the nickel concentration was 25 to 30 g/l and the solution had a

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viscosity of 4 to 9 centipoise at 60°C. Extraction purification was tried on an anolyte of the following composition: 60 to 65 g/l Ni, 0.2 to 0.3 g/l Co, 0.4 to 0.5 g/l Fe, 0.5 to 0.6 g/l Cu, 150 to 160 g/l SO_4'', 40 to 45 g/l Cl'; pH 2.2 to 2.5. The iron was in the divalent form and 50% of the copper in the monovalent form. The soap was added to the electrolyte solution with a 10:1 ratio aqueous:organic. The purification from Cu and Fe took place in 3 to 5 stages. The solutions were mixed for 30 to 40 minutes and then transferred to a separating funnel where stratification took place. The aqueous solution was poured back into the reaction chamber and a further quantity of soap added. A study of the kinetics of the reaction showed that the iron was removed to a trace in 10 minutes. Preliminary oxidation of the copper intensified its extraction. The copper was also more efficiently extracted with soaps containing higher concentrations of nickel. After purification, the anolyte contained 0.003 g/l copper. After the usual chlorine purification from cobalt the solution contained 60 to 65 g/l Ni, 0.02 to 0.005 g/l Co, 0.003 to 0.001 g/l Cu.

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Extraction method of purifying ... S/136/62/000/003/001/008
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Electrolysis was then carried out using a soluble nickel anode and a steel matrix for the cathode. The current density was 220 A/m^2, the temperature 62 ± 2°C; the process was carried out for 10 hours. The resulting nickel was analysed and came within the specification for nickel type H-1 (N-1).
There are 8 figures and 1 table.

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ROZOV, V.N.

Improving electrolytic nickel refining processes. TSvet.met.29 no.6:18-23 Je '56. (MLRA 9:9)

1.Kombinat Severonikel'.
(Nickel--Electrometallurgy)

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CA

1

Apparatus for automatic determination of cadmium in electrolytes in the hydrometallurgy of zinc. S. A. Pletenev and V. N. Rasov. *Zavodskaya Lab.* 8, 111-12(1939); *Chem. Zentr.* 1940, II, 3673.—Cd is detd. electrolytically in a purified $ZnSO_4$ soln. with the aid of a dropping-Hg cathode. The method differs from that of the Heyrovsky-Shikata polarograph in that the change in potential is effected in a single stage by means of a switch arrangement, and the change of current intensity is read off a scale of a mirror galvanometer. Pictures of the app. and the wiring diagram are given. Cf. *C. A.* 33, 827.

M. Hoseh

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CIA

4

Electrolytic zinc at the Kirov works in Chelyabinsk. D. I. Derkachev and V. N. Rozov. *Tsvetnye Metal.* 13, No. 6, 46-58(1938); *Chem. Zentr.* 1940, I, 126. The limiting concn. of Zn in neutral electrolytes is given as 105 g./l.; that in spent electrolytes as 42-5 g./l. A Co content of 10-12 mg./l. and a reduced Zn content greatly reduce current efficiency. The production of a layer of foam on the bath is recommended to reduce the loss of electrolyte through fog formation (H evolution). The use of 0.25 kg. cresol and 0.75 kg. glue for this purpose does not interfere with the electrolysis. On the other hand, this procedure results in the formation of a more dense and uniform Zn deposit and reduces the attack on the back side of the cathode and the Cu bars (which otherwise contaminate the bath with Cu) as well as other equipment.

M. G. Moore

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

Cathodic polarization during the electrolysis of fused salts. S. A. Pletenev and V. N. Rozov. *J. Phys. Chem.* (U. S. S. R.) 11, 641-50(1938).—It is shown that the present data of the cathode polarization r_p during the electrolysis of fused salts contain a slight error which is due to the potential drop of ohmic nature. A special oscillograph was constructed which measured the r_p during the electrolysis of fused $PbCl_2$ and of $CdCl_2$. The value of r_p depends on the chem. nature of the fused substance. For $CdCl_2$: the eutectic mixt. KCl-LiCl 71%, $CdCl_2$ 20%, temp. 400°, area of the cathode 2.5 sq. cm., r_p in mv. $r_p = E_0(l_0 - l_1)/(l_0 - l_2)$ where $E_0 = r_0 - r_1$, r_0 = p. d. between the cathode and the electrode under the current, r_1 = the same p. d. 30-40 sec. after the current is disconnected, l_1 = position of the galvanometer needle in mm. under the current, l_0 = immediately after disconnecting, l_2 = 30-40 sec. after disconnecting. Fifteen variable expts. gave r_p values ranging from 2 to 17.5 mv. r_p values for the eutectic mixt. KCl-LiCl-$PbCl_2$ are much lower. Three references. W. R. Henn

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BC

B-I-6

Electrodeposition of copper and zinc from solutions of their chlorides. S. A. PLETNEV and V. N. ROMOV (J. Appl. Chem. Russ., 1936, 9, 1568—1579).—The optimum conditions for electrodeposition are: of Cu from aq. CuCl-NaCl, [Cu$^{\cdot}$] 1·7—1·8%, c.d. ≥200—250 amp./sq. m., in 10—30% NaCl and 1·5—6% HCl, with vigorous stirring; and of Zn from aq. $ZnCl_2$, [Zn$^{\cdot\cdot}$] 40%, in 1% HCl, c.d. 400 amp./sq. m., also with stirring. Deposition of Cu from aq. $CuCl_2$ does not take place until reduction of Cu^{II} to Cu^{I} is complete. R. T.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

The electromotive force of fused salt concentration cells. S. A. Pletenev and V. N. Rozov. *J. Phys. Chem.* (U. S. S. R.) 9, 854-60(1937).—The e. m. fs. of concn. cells containing AgCl, $PbCl_2$, $CdCl_2$ and $ZnCl_2$ dissolved in KCl, $MgCl_2$, NaCl, LiCl, $CuCl_2$, etc., in the molten state are linear functions of the logs of the mol. fractions of metal in the melt. Expts. were made at from 500° to 1000°. The presence of any chem. union between solute and solvent is determinable from the e. m. f. value obtained.

F. H. Rathmann

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Ca

4

Electromotive forces of concentration cells in molten media. S. A. Pletenev and V. N. Rozov. *Acta Physicochim. U. R. S. S.* 7, 339-56(1937) (in English). See *C. A.* 31, 8385[7]. M. W. B.

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(A) 4

Electrodeposition of copper and zinc from their chloride solutions. S. A. Pletenev and V. N. Rozov. *J. Applied Chem.* (U. S. S. R.) 9, 1568-70 (in German 1570) (1936). — Cu was deposited from solns. contg. 17-18 g./l. CuCl with a c. d. not over 200-250 amp./sq. m. In the presence of 30 g./l. $FeCl_3$ and 70 g./l. $ZnCl_2$ deposition is possible only at a c. d. not over 100 amp./sq. m. Intensive stirring is essential. In the presence of cupric ion the deposition of Cu is not possible. Cement Cu was purified in the electrolytic bath without diaphragm. It consists of a rectangular C anode placed at the bottom of a glass cell and sepd. from the Cu cathode by a perforated (holes about 1 sq. cm.) cardboard impregnated with paraffin (thickness 2 cm.). The bath was equipped with a stirrer which was placed half way between the Cu cathode strips. The surface of the soln. was covered with paraffin, and the oxidized soln. was siphoned out from the bottom. Best Zn deposits were obtained with a soln. of 40 g./l. $ZnCl_2$ and 10 g./l. HCl at a c. d. of 400 amp./sq. m. and a temp. of 18°, with an asbestos diaphragm. Ten references.

A. A. Podgorny

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4

The electrolytic refining of tin in sulfate solutions. S. A. Pletenev and V. N. Rozov. *Tsvetnye Metal.* 1936, No. 9, 79-85.—Sn contg. not more than 2% of impurities can be successfully plated from a H_2SO_4 soln. contg. sulfonic acids at 35° and c. d. 100 amp. per sq. m. Fe is the only impurity which tends to accumulate in the soln. during electrolysis, but solid impurities sep. on the Sn anode and and must be removed every 5 days. H.M. Leicester

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H-1

Cathodic polarisation in electrolysis of molten salts. S. A. PLETENEV and V. N. ROZOV (J. Phys. Chem. Russ., 1938, 11, 641—650).—Oscillograph measurements show that the polarisation of a Pb cathode in molten $PbCl_2$ at 400° or 500° is $<10^{-3}$ v.; in mixtures of $PbCl_2$ with the eutectic mixture of KCl and LiCl it becomes measurable when $[PbCl_2]$ is $<1\cdot5$ mol.-%. Between 1·5 and 0·2 mol.-% of $PbCl_2$ it is probably a concn. polarisation; and at $[PbCl_2]$ $<0\cdot2$ mol.-% it is very high and probably due to deposition of an alloy. In deposition of Cd from a $CdCl_2$-KCl-LiCl mixture the polarisation is $>2\times10^{-3}$ v. even at $[CdCl_2]=47$ mol.-%; it is presumably due to the low rate of dissociation of the $CdCl_2,4KCl$ complex.

J. J. B.

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PROCESSES AND PROPERTIES INDEX

Hydrometallurgy of Almaluik (Central Asia) oxidized copper ore, with the precipitation of copper in the autoclave. V. I. Lainer and Y. N. Rozov. *Tsvetnye Metal.* 1934, No. 5, 90 0.—Wood filings are not available in the neighborhood of Almaluik Cu deposits and, instead, waste from Central Asia cotton industry was used for pptg. metallic Cu from H_2SO_4 ext. of the ore in the autoclave, by Bardt's method.

S. L. Madorsky

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BC

A-1

Electromotive forces of concentration chains in the fused state. S. A. PLETENEV and V. N. ROZOV (J. Phys. Chem. Russ., 1937, 9, 854—856).—AgCl, $PbCl_2$, $CdCl_2$, and $ZnCl_2$ have been used as solvents with LiCl, KCl, $CaCl_2$, and $MgCl_2$ as solutes in concn. chains. The e.m.f. is a linear function of the log of the mol. concn. of the solute. E. R.

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Bc

C-4

1860. Instrument for automatic determination of cadmium in the bath of zinc plants. S. A. Platonov and V. N. Rozov (*Trans. All-Union Conf. Anal. Chem.*, 1949, 2, 407—409).—[Cd] is determined by means of a simplified polarograph. J. J. B.

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SA

A 53

ℓ

5001. Concentration Cells in Molten Media. S. A. Pletenev and V. N. Rosov. *Acta Physicochimica*, 7, 3, *pp.* 339–356, 1937. *In English.*—It is shown that the e.m.f.s of concentration cells in molten media are linear functions of the logarithms of the mole fractions corresponding to the salts of the metals studied, and it is ascertained that the character of this linear relation is different in presence of chemical combinations between the salt of the metal studied and the salts used as a "medium."

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3RD AND 4TH ORDERS

A-1

Activation of carbon with salts. N. F. JERMOLENKO and ROZOVA (Kolloid. Shurn., 1938, 4, 429—437).—The adsorptive power for I, AcOH, and methylene-blue in aq. solution of C obtained by impregnating pine sawdust with aq. solutions of salts and carbonising at various temp. has been measured. Activation is due principally to gaseous products of decomp. of the salts, and the formation of a layer of salt protecting the surface of the C from tarry substances plays no part. There is some activation even when the temp. of carbonisation is below the m.p. of the salt, supposedly due to a loosening of the tarry crust by the salt. There is evidence that with rise in the temp. of carbonisation the surface area accessible to large adsorbate mols. increases but at the same time the ultra-porosity falls. C superior in adsorbent power to technical activated C has been prepared.

R. C.

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3RD AND 4TH ORDERS

CR

Salt activation of charcoal. N. F. Ermolenko and Rosova. *Colloid J.* (U. S. S. R.) 4, 429–37(1938).—Pine wood shavings were soaked in 2 *N* salt solns., dried and heated. The adsorption capacity of the charcoal formed was detd. for I, AcOH and methylene blue. At 400° $Ba(NO_3)_2$ alone activates more than H_2O; at the m. p. of the salt Na_2CO_3, and at 900° KBr is the best activator; $(NH_4)_2SO_4$ is more active than H_2O only at 900°. Conclusion: the activation is due chiefly to gaseous products of the decompn. of the salts. J. J. Bikerman

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ACC NR: AR6035420 SOURCE CODE: UR/0137/66/000/009/G054/G054

AUTHOR: Mirontseva, S. A.; Rozov, V. V.

TITLE: Surface phenomena in fusing of lead-indium alloys into germanium

SOURCE: Ref. zh. Metallurgiya, Abs. 9G375

REF. SOURCE: Sb. Poverkhnostn. yavleniya v rasplavakh i voznikayushchikh iz nikh tverd. fazakh. Nal'chik, 1965, 569-573

TOPIC TAGS: surface property, germanium, lead alloy, indium alloy, molten metal, fusible alloy

ABSTRACT: By photographing a drop of molten Pb-In melt on the surface of a germanium plate, the authors investigated the influence of the operating atmosphere on the fusing-in results: the dependence of the contact angle on the state of the germanium crystal surface, the influence of the composition of the alloy on the wetting ability of germanium, and the dependence of the contact angle on the temperature and on other factors. The investigations were made on n-type germanium with 3 ohm-cm resistivity. The wetting ability of germanium in vacuum and in H_2 was the same, while in argon it was much lower. The wetting ability decreased in the following sequence: untreated dendrite surface, ground surface, polished surface, etched surface. With increasing

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ACC NR: AR6035420

content of indium in the Fe-In alloy, the wetting ability increased to a definite limit at the given temperature. V. Batasheva. [Translation of abstract]

SUB CODE: 11, 20

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

L 18057-66 EWT(1)/EWT(m)/T/EWP(t)/ETC(m)-6 IJP(c) JD/WW/JW/GS/RM

ACC NR: AT6006174 SOURCE CODE: UR/0000/65/000/000/0180/0183

AUTHOR: Rozov, V. V.; Sirota, N. N. (Academician AN BSSR)

ORG: none

79
76
B+1

TITLE: Dynamic dislocation of atoms in the lattices of indium and gallium phosphides

SOURCE: Khimicheskaya svyaz' v poluprovodnikakh i tverdykh telakh (Chemical bond in semiconductors and solids). Minsk, Nauka i tekhnika, 1965, 180-183

TOPIC TAGS: indium compound, gallium compound, crystal lattice dislocation, crystal lattice structure, x ray, heat of formation

21,44,55

ABSTRACT: Characteristic temperatures and dynamic dislocation of atoms in lattices of indium phosphide, gallium phosphide, and in a solid solution of 86% InP and 14% GaP were determined on the basis of x-ray analysis. The temperature dependence of the dynamic dislocations of phosphorus and indium atoms in indium phosphide expressed in terms of the square of atomic vibration amplitude u_d^2 is graphed. The physical properties of InP, GaP, and the solid solution of 86% InP + 14% GaP at 20°C are given in table 1. These data indicate high interaction energy between atoms of GaP

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L 18057-66
ACC NR: AT6006174

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TABLE 1

Compound	u_d^2 of metal atoms, Å	θ of metal atoms, °K	u_d^2 of metal atoms, Å	θ of metal atoms, °K	coefficient of line broadening	microhardness	ΔE, ev	Lattice parameter
InP	$8.1 \cdot 10^{-2}$	120	$8.5 \cdot 10^{-2}$	230	$5.15 \cdot 10^{-6}$	530	1.25	5.8688
14% GaP	$4.15 \cdot 10^{-2}$	178	$5.45 \cdot 10^{-2}$	280	$7.94 \cdot 10^{-6}$	650	-	5.7970
GaP	$4.10 \cdot 10^{-2}$	240	$1.7 \cdot 10^{-2}$	600	$5.5 \cdot 10^{-6}$	840	2.24	5.4500

as reflected in high heat of formation and high melting temperature. Orig. art. has: 1 figure, 2 tables, 1 formula.

SUB CODE: 20,07/ SUBM DATE: 31May65/ ORIG REF: 001/ OTH REF: 001

Card 2/2 Sml

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

SIROTA, N.N.; ROZOV, V.V.

Lattice identity period and microhardness of solid solutions of indium and gallium phosphides. Dokl. AN BSSR 7 no.7:446-448 Jl '63. (MIRA 16:10)

1. Otdel fiziki tverdogo tela i poluprovodnikov AN BSSR.

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6

Solid solutions in the system InP-GaP. N. N. Sirota, V. V. Rozov.

Investigation of solid solutions of InP-GaAs. N. N. Sirota, L. A. Makovetskaya.

Physical properties of the system ZnTe-CdTe. N. N. Sirota, V. D. Yanovich.

Physical properties of ternary alloys of the system Zn_3As_2-Cd_3As_2. N. N. Sirota, E. M. Smolyarenko.

Semiconducting properties of manganese-telluride and selenide. N. N. Sirota, G. I. Makovetskiy.

Production of films of semiconducting compounds of the type $A^{V}B^{VI}$ and $A^{II}B^{V}$ on antimony by reactive diffusion. N. N. Koren', N. N. Sirota. (25 minutes). (Presented by N. N. Sirota).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

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ROZOV, V.V.

Making Quinke's equation more accurate. Dokl.AN BSSR 4 no.4:152-155 Ap '60. (MIRA 13:10)

1. Predstavleno akad. AN BSSR N.N. Sirotov.
(Surface tension)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOV, Ya., prepodavatel'

Let's pay special attention to methodological material. Prof.-tekh. obr. 20 no.4:30-31 Ap '63. (MIRA 16:5)

1. Dnepropetrovskiy institut obucheniya rabochikh.
(Bibliography--Vocational education)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOV, Yu.M. (Kiyev)

Static characteristics of a.c. choke drives. Avtomatyka no.2: 48-57 '62. (MIRA 15:5)

(Electric motors, Alternating current)

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LAKHTADYR', Ivan Semenovich, inzh.; ROZOV, Yu.M., inzh., retsenzent

[Transistorized control systems of d.c. drives] Sistemy upravleniia elektroprivodom postoiannogo toka na tranzistorakh. Kiev, Tekhnika, 1964. 121 p. (MIRA 17:11)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

84890

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C111/C222

13.2000

AUTHOR: Rozov, Yu.M. (Kyyiv)

TITLE: On the Dynamic Operating Modes of an Asynchronous Motor Controlled by the Supply Voltage Frequency of the Motor

PERIODICAL: Avtomatika, 1960, No.1, pp.63-68

TEXT: The paper was written in the Leningradskiy institut elektromekhaniki AN SSSR (Leningrad Institute of Electrotechnics of the Academy of Sciences USSR) under the leading of V.P.Andreyev.
The problem of forcing transient processes in an asynchronous drive controlled by the supply voltage frequency of the motor is discussed in this paper. It was established that it is possible to obtain forced processes of starting, braking and reverse by introducing a constant component into the motormotive force of the frequency converter supplying the excitation windings of the alternating current commutator generator. The possibility of frequency control of asynchronous motors for industrial mechanism drives is discussed.
The author mentions M.P.Kostenko, Academician, and M.L.Frank. There are 3 figures and 3 Soviet references.

SUBMITTED: October 15, 1959

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOV, Yu.M. (Kiyev)

Dynamic operating modes of an asynchronous motor controlled by the frequency of the supply voltage. Avtomatyka no. 1:63-68 '60. (MIRA 14:5)

(Electric motors, Induction)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOV, Yu. M. (Kiyev)

Study and calculation of the additional inductive rotor impedence of an asynchronous motor controlled by saturable reactors. Avtomatyka no.2:53-60 '61. (MIRA 14:6)

(Electric motors, Induction)

PARRA, I.K.; ROZOV, Yu.M.; CHUGUNNYY, Ye.G. [Chuhunnyi, IE.H.]

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

Results of industrial tests of choke-controlled 10 kw. a.c. drives. Avtomatyka no. 5:46-50 '60. (MIRA 14:4)

1. Institut elektrotekhniki AN USSR.

(Electric driving--Testing) (Automatic control)

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

J

Country : USSR
Category : Soil Science. Physical and Chemical Properties of Soil.

53378

Abs. Jour. :

Author : Rozova, A.A.
Institut. : Moscow Agricultural Academy im. K.A. Timiryazev
Title : The Water-Air and Heat Cycle of Peat Soil in Relation to Its Utilization for Corn Planting

Orig. Pub. : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 29, 377- 382

Abstract : The results are reported of the 2-year long observations in the Yakhroma River valley peat soils at Moskovskaya Oblast. In the dry summer of 1955 when the ground water level was at a depth of about 92 cm, corn green bulk yield reached 600 centners per ha., and during the wet year 1956 the ground water level rose to 60 cm/ This reduced the yield to 100 centners/ha. The moisture of the peat soil at 60-70% by wet weight has a beneficial effect on corn development. However, with increased moisture

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A.A., assistent, kand. nauk.

Air, water, and heat cycle of Peat soils in connection with its use in planting corn. Dokl. TSKhA no.29:377-382 '57. (MIRA 11:8)
(Peat soils)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A. A. Cand Agr Sci -- (diss) "Water, air, and temperature conditions of peat soils in connection with their utilization ~~for~~ in corn ~~crops~~ sowing. (As in the Yakhroma bottom lands)." Mos. 1957. 12 pp 20 cm. (Mos Order of Lenin Agr Acad im K. A. Timiryazev), 110 copies

(KL, 8-57, 109)

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A.A.

L-2

USSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69225

Author : Rozova, A.A.
Inst :
Title : Some Peculiarities of Corn Agriculture on Peat Moss Soils in Relation to Higher Humidity.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. Timiryazeva, 1956, 1, No 26, 191-197

Abst : Based on the study of soils of Kulikov marsh (Moscow district) and data in the literature, the author comes to the conclusion that peat-bog soils may be successfully utilized for sowing of agricultural plants, even including corn, providing the following special agrotechnical methods are applied: deep drainage of soil to lower the level of subsurface waters not closer than 40-50 cm; leveling of the microrelief; addition of 5 to 6 tons of manure per hectare every 4 to 5 years;

Card 1/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

USSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69225

L-2

40 to 60 kg per hectare of P_2O_5; 120-150 kg per hectare KaCl; 15-20 kg per hectare of copper sulfate or 6 to 10 centners per hectare of charred pyrites once every 3 to 5 years.

Card 2/2

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A.D.

Conditions promoting the formation of fogs on the Novosibirsk-Barabinsk airline. Sbor. po reg. sin. no.4:5-20 '60. (MIRA 14:11)
(Novosibirsk Province--Fog)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A.P.

PHASE I BOOK EXPLOITATION SOV/4511

Moscow. Tsentral'nyy institut prognozov

Voprosy gidrologii (Problems in Hydrology) Moscow, Gidrometeoizdat (Otd-niye) 1959. 98 p. (Series: Its: Trudy, vyp. 94) 800 copies printed.

Sponsoring Agencies: Tsentral'nyy institut prognozov; Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Ed. (Title page): N.Ya. Podvishenskaya; Ed. (Inside book): V.S. Kornilenko; Tech. Ed.: T.Ye. Zemtsova.

PURPOSE: This publication is intended for hydrological forecasters in field offices of the Hydrometeorological Service. It will also be of interest to scientific research workers.

COVERAGE: This issue of the Transactions of the Central Institute of Weather Forecasting contains articles dealing with problems in hydrological forecasting. Individual articles discuss forecasting of snowmelt runoff, forecasting on the basis of groundwater, flood runoff and maximum discharge forecasting, etc. Evaluation of forecasting methods is given and their accuracy is analyzed. No personalities are

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

mentioned. References follow each article.

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Kravchenko, N.A. From the Experience of Supplying the Dubossary Hydroelectric Power Plant With Hydrological Forecasts 3

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Lebedeva, N.D. Calculation of Snowmelt and a Method for Short-Range Forecasting of the Date of Maximum Flood Level on the Kama River 15

Rozova, A.P. Methods for Long-Range Forecasting of Runoff and Maximum Discharge of Floods on the Rivers of the Upper Volga Basin 34

Kalinin, G.P., and T.T. Makarova. Investigation of Some Problems of Spring Flood Runoff 37

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A.P.

Ice conditions of the Moskva River according to the data of aerial surveys in spring. Meteor. i gidrol. no.12:40-41 D '61. (MIRA 14:11)

(Moskva River--Ice on rivers, lakes, etc.)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

Kozlova, A.N.
P. 2

3(7) PHASE I BOOK EXPLOITATION SOV/3067

Moscow. Tsentral'nyy institut prognozov

Voprosy gidrologicheskikh prognozov (Problems in Hydrological Forecasting) Moscow, Gidrometeoizdat (otd.) 1959. 73 p. (Series: Its: Trudy, vyp. 90) 860 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

Ed. (Title page): A. N. Bazhnov; Ed. (Inside book): V. I. Tarkhunova; Tech. Ed.: I. M. Zarkh.

PURPOSE: This issue of the Institutes's Transactions is intended for hydrologists engaged in forecasting work.

COVERAGE: This collection of articles discusses techniques used in hydrological forecasting. Factors affecting the freeze-thaw cycles of rivers are reviewed. The importance of forecasting accuracy in regions where hydraulic installations are in operation is stressed. Extended forecasting techniques and ways of estimating discharge for rivers are discussed. No personalities are mentioned. References accompany individual articles.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

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Rozova, A. P. Methods of Long-Range Forecasting of the Date of Appearance of Floating Ice on the Mologa, Suda, and Sheksna Rivers 36

Abal'yan, T. S. Short-Range Forecasting of Water Discharge in the Amu-Dar'ya River 39

Barabash, A. Ya. Forecasting the Alazan' River Discharge During the Spring High-Water Period 47

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Chernoivanenko, I. M. Methods of Extended Forecasting of Water Discharge Capacity of the Don River 66

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ROZOVA, A.P.

Long-range forecasting of the appearance of ice drifts on the Mologa, Suda, and Sheksna Rivers. Trudy TSIP no.90:36-38 '59. (MIRA 12:8)

(Mologa River--Ice) (Suda River--Ice) (Sheksna River--Ice)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A.P.

Long-range forecasting of runoff and peak discharges of high water in rivers of the upper Volga Valley. Trudy TSIP no.94: 34-36 '59. (MIRA 12:8)

(Volga Valley--Floods)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, Antonina Viktorovna; REPINA, L.N., otv. red.

[Biostratigraphy and the description of Middle and Upper Cambrian Trilobita in the northwestern part of the Siberian Platform; description of the stratotypic cross section (Kulyumbe River)] Biostratigrafiia i opisanie trilobitov srednego i verkhnego kembriia severo-zapada Sibirskoi platformy; opisanie stratotipicheskogo razreza (r. Kuliumbe). Moskva, Nauka, 1964. 147 p. (MIRA 17:11)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, A.V., red.; KONDRAT'YEVA, M.A., tekhn.red.

[Screws] Shurupy. Izd.ofitsial'noe. Moskva, 1959. 27 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Vsesoyuznyy komitet standartov. (Screw threads, Standard)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, Antonina Viktorovna; KHALFIN, L.L., prof., doktor geol.-mineral. nauk, zasluzhennyy deyatel' nauk, otv.red.; KUPAYEVA, L.A., red.; MAZUROVA, A.F., tekhn.red.

[Upper Cambrian trilobites of the Salair; Tolstochikha series] Verkhnekembriiskie trilobity Salaira; tolstochikhinskaia svita. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1960. 115 p. (Akademiia nauk SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy, no.5) (MIRA 14:11)
(Salair Ridge—Trilobites)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

BYKASOV, O.P.; ROZOVA, I.V., inzh.

Radio communications on modern passenger liners. Biul. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no.6:89-99 '62.
(MIRA 16:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut morskogo flota.
(Radio—Installation on ships) (Ocean liners)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, I.V.; SHALYGINA, V.N.

Effect of cross distortions in the reception of monopolar signals. Trudy TSNIIMF no.39:113-121 '61. (MIRA 15:5)
(Radio--Interference)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, K.A.

ROZOVA, K.A., kandidat meditsinskikh nauk (Moskva)

Vladimir Petrovich Filatov; on the 80th anniversary of his birth. Fel'd. i akush. no.2:3-6 F '55. (MLRA 8:4)
(BIOGRAPHYES,
Filatov, Vladimir P.)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, K.A., kand.med.nauk (Moskva)

Botkin's contribution to the problem of geriatics. Klin.med. 35 no.8:68-74 Ag '57. (MIRA 10:11)
(GERIATICS,
contribution of Sergei P.Botkin)
(BOTKIN, SERGEI PETROVICH, 1832-1889)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, K.A. (Moskva)

About the pamphlet by Professor A.IA Gubergrits on S.P.Botkin ("S.P. Botkin, founder of our clinical medicine" by A.IA. Gubergrits. Reviewed by K.A. Rozova). Fel'd. i akush 23 no.11:61-62 N'58 (MIRA 11:11)
(BOTKIN, SERGEI PETROVICH, 1832-1889)
(GUBERGRITS, A.IA.)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

VASIL'YEV, K.G.; GRIGORASH, F.F.; Prinimal uchastiye ARON, K.Ya.; ROZOVA, K.A., red.

[Essays on the history of medicine and public health in Latvia] Ocherki istorii meditsiny i zdravookhraneniia Latvii. Moskva, Meditsina, 1964. 216 p. (MIRA 17:8)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, K.A.

Study of I.I. Mechnikov's heritage in the Moscow Mechnikov Institute of Vaccines and Sera. Zhur. mikrobiol., epid. i immun. 42 no.11:142-144 N '65. (MIRA 18:12)

1. Moskovskiy institut vaktsin i syvorotok imeni Mechnikova. Submitted July 4, 1965.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, L.

Extend production of souvenirs. Prom.koop.no.5:34-35 My '56.
(MLRA 9:9)

1.Glavnyy khudozhnik Roskhudozhpromsoyuza.
(Handicraft)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, L.

Outstanding worker and inquisitive investigator. Stroi.mat., izdel. i konstr. 2 no.2:13-14 F '56. (MLRA 9:6)
(Abramaites, Aleksandr Petrovich)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

BURSHTEYN, E.A.; L'VOV, K.M.; ROZOVA, L.V.; FRANK, G.M., red.; PLYSHEVSKAYA, Ye.G., red.

[Molecular biophysics] Molekuliarnaia biofizika. Moskva, Nauka, 1965. 251 p. (MIRA 19:1)

1. Chlen-korrespondent AN SSSR (for Frank).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

BERKINBLIT, M.B.; BURSHTEYN, E.A.; L'VOV, K.M.; PULATOVA, M.K.; ROZOVA, L.V.; FRANK, G.M., red.; PLYSHEVSKAYA, Ye.G., red.

[Cell biophysics] Biofizika kletki; sbornik statei pod red. G.M.Franka. Moskva, Nauka, 1965. 294 p (MIRA 19:1)

1. Akademiya nauk SSSR. Institut biologicheskoy fiziki.
2. Chlen-korrespondent AN SSSR (for Frank).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, L.V., red.; MATVEYEVA, A.Ye., tekhn.red.

[Metalworking machines; basic parameters and dimensions] Stanki metalloobrabatyvaiushchie; osnovnye parametry i razmery. Izd. ofitsial'noe. Moskva, 1958. 95 p. (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Vsesoyuznyy komitet standartov. (Metalworking machinery)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

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25(2) PHASE I BOOK EXPLOITATION SOV/2920

USSR. Vsesoyuznyy komitet standartov

Stanki metalloobrabatyvayushchiye; osnovnyye parametry i razmery (Metalworking Machines; Basic Parameters and Dimensions) Official ed. Moscow, 1958. 95 p. (Series: SSSR. Gosudarstvennyye standarty) 6,000 copies printed.

Ed.: L. V. Rozova; Tech. Ed.: A. Ye. Matveyeva.

PURPOSE: This is an official edition of State Standards for the machine-tool industry.

COVERAGE: This list of standards (GOST) applies to types of lathes, automatic spindle machines, milling machines, and similar equipment. It is an official publication for Soviet industry. It is effective as of May 1, 1958. Subsequent changes are published periodically in the Informatsionyy ukazatel' standartov (Informational Index of Standards). No personalities are mentioned. There are no references.

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GOST 3860-56, Electromagnetic and Magnetic Rectangular Plates. Basic Dimensions 7
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GOST 871-41, Surface-grinding Machines With Horizontal Spindle and Round Table (Shaping Type). Basic Dimenisons 61
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GOST 5393-50, Broaching Machines, General-purpose. Basic Parameters and Dimensions 71
GOST 3179-54, Turret Lathes. Basic Parameters and Dimensions 75
GOST 6728-53, Thread-grinding Machines. Basic Parameters and Dimensions 77
GOST 440-57, Lathes. Basic Parameters and Dimensions 79
GOST 8308-57, Universal Tool and Cutter Grinders. Basic Parameters and Dimensions 84
GOST 165-49, Knee-and-column-type Milling Machines. Basic Dimensions 86
GOST 3183-50, Slot-and Thread-milling Machines. Basic Dimensions 88
GOST 6559-53, Rectangular and Circular Tables for Metal-cutting Machine Tools. Basic Dimensions 90

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, L.V., red.; MATVEYEVA, A.Ye., tekhn.red.

[Control parts] Detali upravleniia. Moskva, Gos.izd-vo standartov "Standartgiz," 1959. 23 p. (MIRA 13:7)
(Machine tools--Standards)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, L.V., red.; KASHI, A.G., tekhn.red.

[One-piece cylindrical and tapered, tailed and capped broaches] Razvertki tsel'nye tsilindricheskie i konicheskie, khvostovye i nasadnye. Moskva, Gos.izd-vo standartov, 1959. 59 p. (MIRA 13:11)

(Metal-cutting tools) (Broaching machinery)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, L.V., red.; MATVEYEVA, A.Ye., tekhn.red.

[Auxiliary tools for milling machines] Instrument vspomogatel'nyi k frezernym stankam. Moskva, Gos.izd-vo standartov, 1959. 72 p. (MIRA 13:6)
(Milling machines--Standards)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

SOSKIN, I.M.; ROZOVA, L.V.

Water exchange between the Baltic Sea and the North Sea. Trudy GOIN no.41:9-30 '57. (MIRA 11:9)
(Baltic Sea--Ocean currents) (North Sea--Ocean currents)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

SOSKIN, Il'ya Moiseyevich. Prinimala uchastiye ROZOVA, L.V.; LUNDBERG, O.L., otv. red.; NEDOSHIVINA, T.G., red.; BRAYNINA, M.I., tekhn. red.

[Changes in the hydraulic characteristics of the Baltic Sea observed over a period of many years] Mnogoletnie izmeneniia gidrologicheskikh kharakteristik Baltiiskogo moria. Leningrad, Gidrometeoizdat, 1963. 159 p. (MIRA 16:5)
(Baltic Sea--Hydrology)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

SOSKIN, I.M.; ROZOVA, L.V.

Long-term variations of water temperature in the Baltic Sea.
Trudy GOIN no.37:42-52 '59. (MIRA 13:4)
(Baltic Sea--Temperature)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, L.V.; PASTUKHOVA, N.M.; CHERNOVSKAYA, Ye.N.; LEDER, I.Z.

Hydrological and hydrochemical conditions in the Baltic Sea during the period of the International Geophysical Year. Trudy GOIN no.55:77-96 '60. (MIRA 14:7)

(Baltic Sea—Hydrology) (Baltic Sea—Water—Composition)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, M. I.

"Preparation and Properties of Stable Diazotates." Cand Chem Sci, Leningrad State Inst of Applied Chemistry, Leningrad, 1953. (RZhKhim, No 3, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

MOSKVINA, A.A.; KUZNETSOVA, L.V.; DOBYCHIN, S.L.; ROZOVA, M.I.

Microelementary analysis using gas chromatography. Determination of carbon, hydrogen, and nitrogen in organic compounds. Zhur. anal. khim. 19 no.6:749-753 '64. (MIRA 18:3)

1. Gosudarstvennyy institut prikladnoy khimii, Leningrad.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

KISELEVA, N.A.; MEGORSKAYA, I.B.; ROZOVA, M.I.

Method of isotopic indication for determining small quantities of copper. Zav.lab.22 no.11:1291-1292 '56. (MLRA 10:2)

1. Gosudarstvennyy institut prikladnoy khimii.
(Iodine--Isotopes) (Copper--Analysis)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

BEYLIKHIS, G.A., kandidat meditsinskikh nauk; ROZOVA, N.D., khimik

Some questions from the work practice of industrial sanitary laboratories in sanitary and epidemiologic stations. Gig. i san., 21 no.7:38-41 Jl '56. (MLRA 9:9)

1. Iz sanitarno-epidemiologicheskoy stantsii Kirovskogo rayona Moskvy.

(AIR POLLUTION
in indust., laboratory control)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, N. D. i BEYLIKHIS. G. A.

29221 Zogr yaznenie vozdvkha rabochikh pomeshcheniy khloromi porami rtuti i ego sanitarno. gigienicheskaya otsenka. (Proizvodstvo khi-m. chistykh shchelochey). Gigiena i sanitariya, 1949. No 8, s. 18-21

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

[illegible], M. D. and [illegible], A. A.

Atmospheric pollution in works with chlorine and mercury vapour, and its hygiene assessment Gigiena, Moscow 1949, 8 (1[illegible]-21)

The authors investigated the atmosphere in a works in which alkali was made electrolytically from sodium and potassium chloride. A cathode of metallic mercury was used and both mercury and chlorine escaped in vapour form. The concentration of these was found to be higher in the offices, canteens and adjacent rooms than in the working places. It was concluded that this higher concentration derived from contaminated clothing and footwear brought in by the operatives.

In an experiment metallic mercury was heated in a flask to 100° C. and a current of cold air was passed over it. This air took up a quantity of mercuty vapour which could be partly absorbed by glycerine but much more effectively though not completely, by Polojaeff's reagent. Though many of the employees had worked in this plant for years none any sign of poisining. When air from the workrooms was passed through filters and these extracted both mercuric and mercurous chloride were identified, but neither had apparently caused poisoning. It was consluded that a variety of chemical substances was formed. Improved conditions were possible if the factory walls could be covered with material which would absorb none of the particulate or gaseous bodies arising in the course of manufacture. Improved methods of washing the workers' clothes were also advised together with regular medical examination to detect any early signs of disease.

Pether - (Word Medical Abstracts)

SO: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, K. A.

"Sergey Petrovich Botkin (1832-1889,"Fel'dsher i Akusher., No. 12, 1949.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, K. A.

"V. A. Kashevarova-Rudneva (On the 100th Anniversary of His Birth)," Fel'dsher i Akusher., No. 5, 1948.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

YELISEYEVA, Mariya Fedorovna; MAGNUSHEVSKIY, K.; ROZOVA, L.

[High production of raw bricks by press SP-2] Vysokie s"emy kirpichasyrtsa s pressa SP-2. [Literaturnaia zapis' K.Magnushevskogo i L.Rozovoi] Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1952. 46 p. (MLRA 6:7) (Pressed brick)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

KOZOVA, M.I.,
A.E. PORAL-KOSHITS, Org. Chem. Ind. 5, 476-8,(1938)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

Rozova, M.I.

USSR/ Analytical Chemistry. Analysis of Inorganic Substances. G-2

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27144.

Author : N.A. Kiseleva, I.B. Megorskaya, M.I. Rozova.

Title : Determination of Small Amounts of Copper by Method of Isotope Indication.

Orig Pub: Zavod. laboratoriya, 1956, 22, No. 11, 1291 - 1292.

Abstract: The determination of Cu is based on the measurement of the activity of the little soluble complex [$Cu(C_6H_8N_2)_2$] [HgI_4] containing the radioactive isotope I^{131}. The precipitation is carried out with o-phenylenediamine and mercury-iodide of K in an acid medium. The washed and dried precipitate on the filter is covered with varnish and its activity is measured. The average accuracy of determination at 0.05 mg of Cu per lit is ±3%.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

USSR/ Analytical Chemistry. Analysis of Inorganic Substances. G-2

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27144.

The determination of the filtrate activity and the computation of the precipitate activity by the difference produces somewhat worse results. The determination of less than 0.05% mg of Cu is possible only in the presence of a carrier (for example, of Fe $(OH)_3$); the average error of Cu determination is 6.3% in this case.

Card 2/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

5(3) SOV/75-14-3-15/29

AUTHORS: Rozova, M. I., Stolyarova, F. N.

TITLE: Analysis of Nitroparaffins by Using the Chromatographic Method (Analiz nitroparafinov s primeneniyem khromatograficheskogo metoda)

PERIODICAL: Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 3, pp 343-346 (USSR)

ABSTRACT: Nitroparaffins with different length of the carbon chain (C_1 - C_3) are reduced to amines. The total content of amines is determined titrimetrically. Afterwards the amines are chromatographically separated on starch, and annealed calcium oxide, eluted with butanol or a mixture of butanol with benzine and determined titrimetrically. A separation of 1- and 2-nitropropane is not possible by chromatography as their distribution coefficients are nearly identical. 2-nitropropane, however, can be analyzed photometrically. Table 3 presents the examples of an analysis. The relative error is ±5 - 7%. There are 3 tables and 22 references, 6 of which are Soviet, and 1 Czechoslovakian.

Card 1/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

SOV/75-14-3-15/29

Analysis of Nitroparaffins by Using the Chromatographic Method

ASSOCIATION: Gosudarstvennyy institut prikladnoy khimii, Leningrad (State Institute of Applied Chemistry, Leningrad)

SUBMITTED: December 24, 1957

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

Kozova, M.I.

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Determination of small amounts of copper by radioactive indicator method. N. A. Kiseleva, I. B. Megorskaya, and M. I. Rozova. *Zavodskaya Lab.* 22, No. 11, 1291-2(1956). Add 0.1-0.2 ml. 2% *o*-phenylenediamine, 1 drop 0.5*N* H_2SO_4, and 0.05-0.1 ml. I^{131}-labeled $HgI_2.KI$ soln. to 1 ml. sulfate soln. contg. Cu. Wash the ppt. after filtering, cover with cellulose acetate lacquer on both sides, and det. the radioactivity by conventional counting. Calc. the result by using the formula, mg. Cu = (activity found) × (mg./ml. of I in the reagent soln.) × 63.54/(activity of the reagent soln.) × 4 × 126.9. The method permits detn. of 0.05 mg. Cu with an accuracy of 3%. For smaller amts. of Cu, a carrier is needed; $Fe(OH)_3$ gives satisfactory results for detns. of 4-5 γ Cu with an accuracy of 6%.

G. M. Kosolapoff

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23

N-Nitroamines and their use in the production of ice dyes. I. S. Ioffe and M. I. Rozova. *Org. chem. Ind.* (U. S. S. R.) 4, 170-2(1937).—A discussion of patent literature, with 18 references. Chas. Blanc

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

1ST AND 2ND ORDERS

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BC

B-2-1

Nitrosoamines as starting material for synthesis of ice colours. M. I. Rogova (Bull. Acad. Sci. U.R.S.S., 1956, Cl. Sci. Tech., No. 6, 39—44).—A review. R. T.

COMMON ELEMENTS

OPEN

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3RD AND 4TH ORDERS

2ND LETTER

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

L 9264-66 EWT(1)/EWP(e)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/GG/WH

ACC NR: AP5022704 SOURCE CODE: UR/0181/65/007/009/2678/2682

AUTHOR: Koykov, S. N.; Rozova, M. N.
44,55

ORG: Leningrad Polytechnical Institute im. M. I. Kalinin (Leningradskiy politekhnicheskiy institut) 44,55

TITLE: Calculating the energy of formation of a pair defect in the rutile crystal lattice

SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2678-2682

21,44,55

TOPIC TAGS: crystal theory, crystal lattice defect, titanium dioxide, potential well, theoretic physics 18 27

ABSTRACT: A hypothesis previously proposed by Koykov et al (S. N. Koykov, V. Ya. Kunin, A. N. Tsikin, *FTT*, 3, 651, 1961) for the mechanism of aging in rutile crystals assumes that there is an increase in the concentration of pair defects consisting of a vacant site and an ion which is shifted by the electric field to one of the adjacent interstices. The authors of the present article attempt to determine the extent to which the previously proposed model accurately describes the shape of the potential well. This evaluation is made by calculating the energy of formation of a pair defect in an ideal rutile crystal lattice. A formula is derived for calculating the energy necessary for moving a titanium ion from a lattice site to an adjacent

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ACC NR: AP5022704

interstice. Results of the calculations are given in graphic form. The theoretical data confirm the feasibility of the previously proposed hypothesis. However, a more precise calculation of the various parameters involved in the energy formula is needed for a rigorous computation of the quantitative characteristics of the potential barriers which limit the motion of the ion from a lattice point to an interstice. Orig. art. has: 3 figures, 2 tables, 7 formulas.

SUB CODE: 20/ SUBM DATE: 20Mar65/ ORIG REF: 004/ OTH REF: 008

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

FEDOTOV, D.D., prof., otv. red.GRITSKEVICH, D.I., prof., zam. otv. red.; MELEKHOV, D.Ye., prof., red.; BAMDAS, B.S., red.; ROZOVA, M.S., red.; GROSMAN, A.V., red.

[Social readaptation of mental patients] Sotsial'naia readaptatsiia psikhicheski bol'nykh. Moskva, 1965. 347 p. (MIRA 18:12)

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (for Gritskevich). 2. Nauchnyy rukovoditel' Psikhiatricheskogo otdeleniya TSentral'nogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (for Melekhov). 3. Otdeleniye vosstanovleniya i ekspertizy trudosposobnosti Nauchno-issledovatel'skogo instituta psikhiatrii, Moskva (for Grosman).

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, M.S., kand.med.nauk

Work capacity of patients at various stages in the course of cerebral atherosclerosis. Trudy 1-go MMI 21:162-173'63. (MIRA 16:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut ekspertizy trudosposobnosti i organizatsii truda invalidov Ministerstva sotsial'nogo obespecheniya RSFSR (nauchnyy rukovoditel' - doktor med. nauk D.Ye. Melekhov) i kafedra psikhiatrii (zav.-prof. V.M.Banshchikov) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.
(CEREBRAL ARTERIOSCLEROSIS) (DISABILITY EVALUATION)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, M. S.

Rozova, M. S.

"The significance of neuropsychic disorders in the expert evaluation of work ability in hypertonic disease." Min Health RSFSR. Ivanovo State Medical Inst. Moscow, 1956 (Dissertation for the degree of Doctor in Medical Science)

Knizhnaya letopis
No. 15, 1956. Moscow

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, N.D.

Apparatus for production of constant concentrations of mercury vapor in air. N. D. Rozova (Kirov Regional Sanit.-Epidemiol. Sta., Moscow). *Gigiena i Sanit.* 1953, No. 4, 50.—The app. provides for continuous renewal of Hg surface to give a const. rate of evapn. with elimination of fluctuations caused by film formation on the surface.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, N. D.

"Contamination of the Air in Work Rooms with Chlorine and Mercury Vapors and a Sanitary-Hygienic Evaluation of this Situation," Gig. i San., No. 8, 1949, Mbr., Hygiene & Sanitation Sta., Kirov Rayen, Moscow, -c1949-.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

ROZOVA, N.D.

Apparatus for production of constant concentrations of mercury vapor in air. (MIRA 6:4)
Gigiena i Sanit. '53, No.4, 50.
(CA 47 no.21:10911 '53)

1. Kirov Regional Sanit.-Epidemiol. Sta., Moscow.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

1. ROZOVA, N.D.

2. USSR (600)

4. Mercury

7. Apparatus for obtaining constant concentrations of mercury vapors in the air, Gig.dan. no. 4, 1953.

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

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

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9

5287. AIR POLLUTION OF INDUSTRIAL ESTABLISHMENTS BY CHLORINE AND MERCURY VAPOURS AND ITS SANITARY EVALUATION. Beilikhis, G. A. and Rozova, N. D. (Gigiena i Sanit., 1949, (8), 18-21; see abstr. in Chem. Abstr., 1950, vol. 44, 773).

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

CA

13

Air pollution of industrial establishments by chlorine and mercury vapors and its sanitary evaluation. G. A. Beilikhis and N. D. Roziya. *Gigiena i Sanit.* 1949, No. 8, 18-21. Air pollution in such sites as electrolytic cells for NaCl is largely caused by HgCl, rather than by individual Hg and Cl, as shown by low actual concn. of Hg. The consequences of this fact should be investigated further. Protective measures suggested are: wall construction from materials have low adsorption coeffs. (oil paints should be avoided), washing facilities, and health inspection. Finally, an adequate analytical method for Hg, Cl, and HgCl must be developed for aerosols.

G. M. Kosolapoff

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001445720018-9

31620
S/138/61/000/012/002/008
A051/A126

15.9205

AUTHORS: Kartsev, V.N.; Karelina, G.G.; Rozova, N.I.

TITLE: Properties of siloxane rubber vulcanizates with a low content of vinyl groups

PERIODICAL: Kauchuk i rezina, no. 12, 1961, 7 - 11

TEXT: Experimental results are submitted from an investigation of test samples of vinylsiloxane polymers with a low content of vinyl groups [СКТВ (SKTV)], as compared to dimethylsiloxane rubber [СКТ (SKT)]. The SKTV samples were produced on an experimental ВНИИСК (VNIISK) equipment, using "acedic" (samples no. 1, 2, 226) and "alkaline" (sample no. 19) catalysts. The SKTV and SKT based mixes were produced on laboratory rollers, according to the following composition in weight parts to 100 weight parts of raw rubber:

	SKTV	SKT
silica gel У-333 (U-333)	50	50
zinc oxide	5	5
benzoyl peroxide paste (95% benzoyl peroxide and siloxane oil, in the ratio of 1 : 1)	1.26	4.2

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