MALAKHOVA, N.I.; LAVRINENKO, T.F.; POZHIDAYEVA, L.F.

Producing fiber semiprocessed materials with minimal loss of heat. Bum. i der. prom. no.2:39-42 Ap-Je '65. (MIRA 18:6)

MALAKHOVA, N.I.; PIZHIDAYEVA, L.F.; GORDIYCHUK, K.S.; KVASKO, N.Z.

Chemical processing of hornbeam wood for cellulose and semicellulose. Bum. i der. prom. no.2:16-18 Ap-Je '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031700023-6

MALAKHOVA, N.I.; ZAGORUL'KO, A.A.; POZHIDAYEVA, L.F.

Effect of the cooking conditions of reed semichemical pulp on its quality. Bum.i der.prom. no.4:25-28 O-D '62. (MIRA 15:12)
(Woodpulp)

MALAKHOVA, N.I.; ZAGORUL'KO, A.A.; MARKOV, I.G.

Boiling of reed semicellulose under atmospheric pressure.
Bum.i der.prom. no.1:30-33 Ja-Mr '62. (MIRA 15:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut tsellyulozno-bumazhnoy promyshlennosti.
(Paper)
(Reed products)

MALAKHOVA, M. S.

Cand Agr Sci - (diss) "Procedures for introducing fertilizers around cabbage of various varieties planted in alluvial-plain soils of the Moscow River." Moscow, 1961. 15 pp; (Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev); 200 copies; price not given; (KL, 5-61 sup, 197)

MALAKHOVA, M.P.

DUBROVA, V.S.; KURGANOVA, G.I.; MALAKHOVA, M.P.; KHOTEMLYANSKAYA, Ye.V.

Effect of intravenous infusions of hypertonic solutions of magnesium sulfate on the course of paralytic forms of poliomyelitis during the acute period. Vop.okh.mat.i det. 3 no.2:22-26 Mr-Ap '58. (MIRA 11:3)

1. Iz kafedry detskikh infektsionnykh bolezney (zav.-prof. V.S.Dubrova) Sverdlovskogo meditsinskogo instituta (dir.-prof. A.F.Zverev) i 4-y infektsionnoy bol'nitsy (glavnyy vrach M.N.Romanenko)

(POLIOMYELITIS) (MAGNESIUM SULFATE--THERAPEUTIC USE)

RAPPOPORT, T.S.; MALAKHOVA, M.M.

Our efficiency promoters. Khleb.i kond.prom. 6 no.6:43-44 Je '62. (MIRA 15:7)

1. Gomel'skiy konditerskiy kombinat "Spartak".
(Gomel'--Confectionery) (Efficiency, Industrial)

MAIAKHOVA, L.V.

Contact hornfels in the Baranchinsk gabbro intrusion of the Kushva region in the Central Urals. Trudy Inst. geol. UFAN SSSR no.70:97-104 '65.

Calsium anorthoclase from the Tagil gabbro massif in the Central Urals. Ibid.:125-128 (MIRA 18:12)

SHEYNMANN, D.S.; MALAKHOVA, L.V.

Genetic significance of the iron oxidation rate in biotite in igneous rocks. Trudy Inst. geol. UFAN SSSR no.70:21-26 '65.
(MIRA 18:12)

MALAKHOVA, L.V.; SAZONOVA, M.D.

Composition of biotite from rocks in the Tagil-Kuvshinskiy syenite massif. Trudy Inst. geol. UFAN SSSR no.70:11-19 '65.
(MIRA 18:12)

MALAKHOVA, L.V.

Role of the masseur-instrutor in the treatment of poliomyelitis patients. Med. sestra 20 no.3:36-38 Mr '61. (MIRA 14:5)

1. Iz sanatoriya "Ranneye detstvo" Moskovskoy oblasti.
(POLIOMYELITIS) (MASSAGE)

YEFIMOVA, A.V., kand. med. nauk; KON'KOVA, L.I.; MALAKHOVA, L.V.; DMITRIYEVA, N.M., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Care of children with the sequelae of poliomyelitis] Ukhod za det'mi s posledstviiami poliomielita. Moskva, Medgiz, 1961. 138 p. (MIRA 15:3)

1. Glavnyy vrach sanatoriya "Ranneye detstvo" Moskovskoy oblasti (for Yefimova).

(POLIOMYELITIS)

SAVICH, B.M.; POSOKHIN, Ye.G.; MALAKHOVA, L.S.; PETRUSHKIN, A.A.; MARKOV, V.P.; KULIKOVA, V.N.; DAKHKIL'GOVA, P.F.; SHCHERBININ, P.G., veterinaryy vrach

Testing avirulent vaccine against pasteurellosis of poultry. Veterinariia 39 no.12:32-37 D '62. (MIRA 16:6)

1. Pyatigorskaya mezhoblastnaya veterinarnaya laboratoriya po bor'be s boleznyami ptitsy (for all except Shcherbinin). 2. Pyatigorskiy sovet narodnogo khozyaystva (for Shcherbinin).
(Chicken cholera--Preventive inoculation)

SAVICH, B.M.; PETRUSHKIN, A.A.; MALAKHOVA, L.S.

An infectious disease of young chicks which occurs with symptoms of conjunctivitis. Ptitsevodstvo 9 no.2:31-33 F '59.
(MIRA 12:3)

1.Direktor Pyatigorskoy mezhoblastnoy veterinarnoy laboratorii po bor'be s boleznyami ptitsy (for Savich). 2.Zaveduyushchiy otdelom laboratorii po bor'be s boleznyami ptitsy (for Petrushkin, Malakhova).
(Poultry--Diseases and pests)
(Antibiotics)

ALENKO, V.M., veter.vrach; KULIKOVA, V.N., veter.vrach; MALAKHOVA, L.S., veter.vrach; SMIRNOV, A.N., prof.

Coligranulomatosis in poultry. Veterinariia 41 no.10:33-36 O '64. (MIRA 18:11)

1. Pyatigorskaya mezhoblastnaya veterinarnaya laboratoriya po bor'be s boleznyami ptits (for Alenko, Kulikova, Malakhova). 2. Stavropol'skiy sel'skokhozyaystvennyy institut (for Smirnov).

USSR/Farm Animals - Honey Bees. C-5

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83460

Author : Mhlakhova, L.P.
Inst : "
Title : Planting of Vetch and Bean Mixtures on Fallows.

Orig Pub : Pchelovodstvo, 1958, No 2, 39-42.

Abstract : On fields planted with vetch and oats (control), experimental plantings on about 20 ha at kolkhozes of the Ryazan' oblast' produced a green mass crop of 92.3 centners per hectare; when bean seeds were added (4 kg/ha), the crop amounted to 101.4 centners/ha; when only beans were planted, the crop equaled 89.3 centners/ha. Besides, fields planted with vetch and oats to which beans were added, produced a sugar (nectar) crop of 15 kg per ha, whereas a nectar crop of 258 kg per ha was obtained from fields planted with beans only. It is recommended that vetch and bean mixtures be planted on fallow soils.

Card 1/1

NEMIROVSKAYA, S.A.; MALAKHOVA, K.V.

Combination of pregnancy and cardiovascular diseases. Vop.okh.mat. i det. 4 no.6:89 N-D '59. (MIRA 13:4)

1. Iz Chitinskogo meditsinskogo instituta.
(PREGNANCY) (CARDIOVASCULAR SYSTEM--DISEASES)

MALAKHOVA, K. V.

Malakhova, K. V. "The effect of mud treatment on the blood circulation of chronic rheumatic polyarthritis patients", Sbornik nauch. trudov kurorta Saki, Vol. IV, 1948, p. 173-76.

So: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, no. 12, 1949).

ZHURAVSKIY, L.S. ; MALAKHOVA, I.G.

Some deficiencies of the apparatus for ether-oxygen anesthesia. Sov. med. 23 no.3:84-88 Mr '59. (MIRA 12:4)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. A. G. Karavanov) Kalininskogo gosudarstvennogo meditsinskogo instituta (dir. - prof. R. I. Gavrilov).

(ANESTHESIOLOGY, INHALATION, appar. & instruments, malfunctioning & defic. (Rus))

MALAKHOVA, G.Ya., kand.pedagogicheskikh nauk, uchitel'nitsa biologii

Studying the arthropoda in the seventh grade. Biol. v shkole no.4:11-15 Jl-Ag '61. (MIRA 14:7)

1. Direktor shkoly No.299 Moskvy.
(Arthropoda)

BRUNOVT, Yevgeniya Pavlovna; MALAKHOVA, Galina Yakovlevna; DEMINA, M.F., redaktor; MUKHINA, T.N., tekhnicheskiy redaktor

[Methods of developing concepts in a course on human anatomy and physiology] Metodika formirovaniia poniatii v kurse anatomii i fiziologii cheloveka. Moskva, Izd-vo Akademii pedagog. nauk RSFSR, 1956. 42 p. (MLRA 9:8)

(ANATOMY, HUMAN--STUDY AND TEACHING)
(PHYSIOLOGY--STUDY AND TEACHING)

MALAKHOVA, G. Ya.

MALAKHOVA, G. Ya. -- "The Formation of the Concept of Higher Nervous Activity in the Course on Human Physiology and Anatomy in the Eighth Class of Intermediate School." Academy of Pedagogical Science RSFSR. Sci Res Inst of Teaching Methods. Moscow, 1955. (Dissertation for the Degree of Candidate of Pedagogical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

ALEKSANDROV, S.N.; SHMULYAKOVSKIY, Ya.E.; MALAKHOVA, G.P.

Spectral determination of iron and magnesium in aluminum silicates.
Khim.i tekh.topl. no.6:55-57 Je '56. (MLRA 9:9)

1.Leningradskiy nauchno-issledovatel'skiy institut.
(Aluminum silicates--Analysis) (Iron--Spectra) (Magnesium--Spectra)

MALAKHOVA, G.P.

AID P - 1356

Subject : USSR/Chemistry

Card 1/1 Pub. 78 - 19/30

Authors : Aleksandrov, S. H., Malakhova, G. P. and Shmulgakovskiy, Ya. E.

Title : Spectral method of determination of sodium in aluminosilicates.

Periodical : Neft. khoz., v.32, #12, 64-67, D 1954

Abstract : Spectral analysis on the basis of calibration against standard samples of low concentration Na_2O is described. The analysis of specimens of larger sodium content is made with diluted solutions. Mean square errors of the determination of Na_2O by this method are almost 10%. One table, one chart and four Russian references off 7 (1948-51).

Institution: None

Submitted : No date

MALAKHOVA, G. P.

USSR/Chemistry - Rare Earths 21 Jul 52

"The Fluorescence of Samarium and Gadolinium in Borax," A. N. Zaydel', G. P. Malakhova, Phys Inst, Leningrad State U imeni A. A. Zhdanov

"Dok Ak Nauk SSSR" Vol 85, No 3, pp 591-593

The fluorescence found in borax beads contg Gd is due to Sm or Eu. Gd does not have any fluorescence in the visible region. Presented by Acad A. N. Terenin 28 May 52

PA 235T19

MALAKHOVA, G.M.

Study of the characteristics of the physicochemical structure of blood proteins in relation to their specific biological properties. Probl. gemat. i perel. krovi no.2:46-48 '65.

(MIRA 18:11)

1. Laboratoriya fiziko-khimii krovi i krovezameniteley (nauchnyy rukovoditel' - prof. P.S.Vasil'yev) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye.Kiselev), Moskva.

MALAKHOVA, G.M.; SUZDALEVA, V.V.; ROZANOVA, N.S.

Study of specific anaphylactogenic and hemodynamic properties of heteroproteins subjected to denaturation. Probl. gemat. i perel. krovi no.3:30-33 '65. (MIRA 18:10)

1. Laboratoriya fiziko-khimii krovi i krovezameniteley (nauchnyy rukovoditel' - prof. P.S.Vasil'yev) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor - dotsent A.Ye.Kiselev) Ministerstva zdravookhraneniya SSSR, Moskva.

VASIL'YEV, P.S., prof.; MALAKHOVA, G.M.; MORGUNOVA, Ye.S. [deceased]

Comparative study of the physicochemical and biological properties of heteroprotein of various degrees of denaturing. Probl. gemat. i perel. krovi 9 no.11:31-35 N '64. (MIRA 18:4)

1. Laboratoriya fiziko-khimii krovi i krovezameniteley (nauchnyy rukovoditel' - prof. P.S.Vasil'yev) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev), Moskva.

GOSPODINOV, G.V.; ZHUKOV, N.G.; MALAKHOVA, G.A.; SOROKIN, V.N.

[Handbook of practical assignments in surveying]Rukovodstvo k prakticheskim zaniatiiam po geodezii; kameral'nye raboty. Moskva, Mosk. gos.univ. im. M.V.Lomonosova, 1962. 118 p. (MIRA 15:11)

(Cartography) (Surveying)

ACC NR: AP7001231

phase of a reactor for 1740 hr, except for Kh25T steel, were somewhat higher (0Kh21N5T 0.073 mm/yr, 1Kh21N5T 0.08 mm/yr, Kh25T0.026 mm/yr, 0Kh17T0.058 mm/yr Xh18N10T 0.08 mm/yr) but also corresponded to the corrosion rates of stable materials too. Laboratory tests of welded specimens showed that the corrosion of base and weld metal proceeded uniformly. Argon-arc welds of Kh25T and 0Kh17T steels made with filler of the welded metal under industrial conditions had no visible seams. Intensive corrosion of weld metal occurred in specimens of Kh25T steel welded with KB-3M and E-3B electrodes and Kh25N13 filler. Metallographic examination showed that intergranular corrosion occured in the weld-adjacent zone of 0Kh17T steel specimens welded with a VI-12-6 electrode and 0Kh18N9 filler wire. Corrosion tests of low-nickel and nickelfree steels in a reactor medium showed that 0Kh21N5T, 1Kh21N5T, Kh25T, and 0Kh17T steels are more corrosion resistant than Kh18N10T steel. Errosion tests, performed in a special installation for 20 hr in a 60% NH_4No_3 solution with 10% sand at 60C, showed that Kh25T, 0Kh17T, and 0Kh21N5T steels have higher erosion stability than Kh18N10T steel. Based on the experiments, a pilot reactor was built of 0Kh17T sheet steel, 5 mm thick, arc-welded with a TsL-11 electrode and Kh5N10T filler. During a 1.5 year test, no defects were revealed by visual inspection. Orig. art. has: 1 figure

SUB CODE: 11/ SUBM DATE: none

Card 2/2

ACC NR: AP7001231 (N) SOURCE CODE: UR/0314/66/000/012/0020/0021

AUTHOR: Makarova, A. V. (Engineer); Malakhova, E. K. (Engineer)

ORG: none

TITLE: Corrosion resistance of low-nickel and nickelfree steels used in the production of complex fertilizers and ammonium nitrate

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 12, 1966, 20-21

TOPIC TAGS: chemical production, ammonium nitrate, chemical plant equipment, fertilizer, ammonium nitrate, low nickel steel, chromium steel, corrosion resistant steel/Kh18N10T steel, Kh25T steel, OKh17T steel, OKh21NST steel, 1Kh21NST steel.

ABSTRACT: Chronium steels Kh25T and O h17T and low-nickel steels O h21N5T and 1Kh21N5t have been investigated as substitutes for Kh18N10T steel used for equipment in ammonium-nitrate production. The corrosion rates for specimens tested in a mixture of nitric acid (450 g/l), phosphorous acid (300 g/l), and hydrofluoric acid (1 cm^3/C) at 60C for 100 hr were practically the same (0.035 mm/yr for OKh21NST, 0.049 mm/yr for 1Kh21N5T, 0.026 mm/yr for Kh25T, 0.04 mm/yr for OKh17T, and 0.035 mm/yr for Kh18N10T) and corresponded to the corrosion rates of stable materials. The corrosion rates of steels tested in the liquid

Card 1/2 UDC: 669.15'26-194:631.81

MALAKHOVA, E.A.; TORCHINSKIY, Yu.M.

Isolation of coenzyme-quasisubstrate complex from aspartic-glutamic transaminase. Dokl. AN SSSR 161 no.5:1224-1226 Ap '65. (MIRA 18:5)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.
Submitted July 4, 1964.

BRAUNSHTEYN, A.Ye.; TORCHINSKIY, Yu.M.; MALAKHOVA, E.A.; SINITSYNA, N.I.

Interaction of aspartate aminotransferase with pyridoxamine phosphate and its analogs. Ukr. biokhim. zhur. 37 no.5:671-678 '65.
(MIRA 18:10)

1. Institut molekulyarnoy biologii AN SSSR, Moskva.

MALAKHOVA, E. A., OREKHOVICH, V. N., PANDAKOVA, V. N., SKLOBOVSKAYA, M. V., LOKSHINA, L. A., (USSR)

On the Activation of Pepsiongen.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961

Catalytic Decomposition of Di-n-butyl Sulfide on α-Fe

S/076/60/034/009/030/041XX
B020/B056

V. N. Kondrat'yev, Yu. P. Simanov and V. B. Yevdokimov are thanked. There are 4 figures, 4 tables, and 34 references: 18 Soviet, 7 US, 1 British, 2 French, 1 Dutch, and 5 German.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: March 26, 1958

Card 4/4

sulfidized α-Fe hydrogenizes sulfides more slowly at higher temperatures, which may be seen from the values of the activation energy. Fig. 2 shows the thermomagnetogram of α-Fe, upon which Di-n-butyl sulfide was decomposed at 300 - 400°, whereas Fig. 3 shows the change in magnetization with the temperature for a catalyst, which had been poisoned with mercaptan at 270° and did not decompose the sulfide. When this catalyst was brought into contact with Di-n-butyl sulfide at 430 - 480°, a further accumulation of sulfur was found to occur (Fig. 4, curve 1), where a maximum occurs at 200°, and at 280° magnetization vanishes. When cooling the specimen, a sharp rise of magnetization is found (Fig. 4, curve 2). Table 4 shows the results obtained by X-ray structural analysis. By the catalytic decomposition of the sulfide and mercaptan, also compounds FeS_{1+x} are formed, where $x<1$. The effect produced by these compounds upon the desulfurization is investigated on α-Fe by means of carbidization and sulfidization tests, where the apparent activation energy of the sulfidized catalyst equals 19.7 kcal/mole. On the basis of the multiplet theory, schemes (index groups) for the decomposition of sulfur-organic compounds and hydrogenolysis were suggested, which are confirmed by data from publications and the results obtained here. Mention is made of I. N. Tits, F. P. Ivanovskiy, and

tion rate per minute with a duration of the experiments of 15 to 30 minutes was taken for the calculations. For the purpose of displacing the initial material and the decomposition products from the reaction zone, nitrogen was blown through, and the catalyst was regenerated with hydrogen at a temperature that was 50°C above the experimental temperature, with the result that H_2S was evolved. The composition of the gaseous decomposition products is given in Table 1, from which it may be seen that unsaturated and saturated hydrocarbons (up to 17 %) as well as H_2 were liberated. H_2S is formed after a longer time of contact, if the activity of the catalyst is highly, and the decomposition of the sulfide is little reduced. Other sulfur-organic compounds are not formed. Fig. 1 shows log ν as a function of $1/T \cdot 10^4$, from which the apparent activation energy ϵ is calculated as amounting to 12.7 kcal/mole. The results of the hydrogenation of Di-n-butyl sulfide on α-Fe are given in Table 2, and the composition of the gases, determined by the low-temperature rectifying apparatus ЦИАТИМ-51 (TsIATIM-51) are given in form of a summary. The results obtained by means of a catalyst poisoned with sulfur at a hydrogenolysis of the Di-n-butyl sulfide at 430 - 480° are given in Table 3, where it was found that

S/076/60/034/009/030/041XX
B020/B056

AUTHORS: Balandin, A. A., Kukina, A. I., and Malakhova, E. A.

TITLE: Catalytic Decomposition of Di-n-butyl Sulfide on α-Fe

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 9, pp. 2030 - 2040

TEXT: It was the purpose of the present work to carry out a multi-purpose investigation of the process of decomposition by means of kinetic, thermomagnetographic, radiographical and chemical analyses for the purpose of explaining the mechanism of the desulfurization on contacts containing reduced iron by the example of the catalytic model reaction. The catalytic and thermal conversion of Di-n-butyl sulfide and n-butyl mercaptan was studied with the help of a flowing-through method in a device used in the authors' laboratory. It was found that the sulfide decomposes thermally at temperatures of more than 400°C. The kinetics of the catalytic decomposition of the sulfide was studied at 300 - 400°C, where 8 ml reduced α-iron in a 6.5 cm thick layer was used at a feed rate of the substance of 0.18 ml/min. The experiments took 45 - 50 minutes. The mean gas evolu-

Card 1/4

PROTSENKO, P.I.; MALAKHOVA, A.Ya.

Density and molar volumes of melts of a reciprocal system consisting of potassium, barium nitrites and nitrates. Zhur. neorg. khim. 6 no.7:1662-1670 Jl '61. (MIRA 14:7)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.
(Systems (Chemistry))

Electrical Conductivity of the Reciprocal Three-component System Formed From the Nitrates and Nitrites of Potassium and Barium

S/078/60/005/010/029/030/XX
B017/B067

ASSOCIATION: Rostovskiy gosudarstvennyy universitet (Rostov State University)

SUBMITTED: July 27, 1959

Card 3/3

$(KNO_2)_2$ - $Ba(NO_3)_2$ and for the system $Ba(NO_2)_2$ - $(KNO_3)_2$, as well as the electrical conductivities of the melts at different temperatures. Fig. 2 shows the projection of the isothermal lines of the specific conductivity of the three-component system at 320°C. The experimental results indicate that the electrical conductivity of the melt consisting of all three salts is the sum of the electrical conductivities of the individual salts. The projection of the liquidus curve and the isotherm for the specific electrical conductivity shows that the crystal melt of the three-component system K, Ba ‖ NO_3, NO_2 is completely homogeneous. The compound $KNO_2 \cdot 2Ba(NO_2)_2$ is probably completely dissociated in the melt; it could not be proved by measuring the electrical conductivity. The opinion expressed earlier by P. I. Protsenko saying that no relation exists between the liquidus curves of the phase diagrams and the isotherms of conductivity for nitrate-, nitrate-nitrite-, and nitrite systems was confirmed. There are 3 figures and 12 Soviet references.

S/078/60/005/010/029/030/XX
B017/B067

AUTHORS: Protsenko, P. I. and Malakhova, A. Ya.

TITLE: Electrical Conductivity of the Reciprocal Three-component System Formed From the Nitrates and Nitrites of Potassium and Barium

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 10, pp. 2307-2310

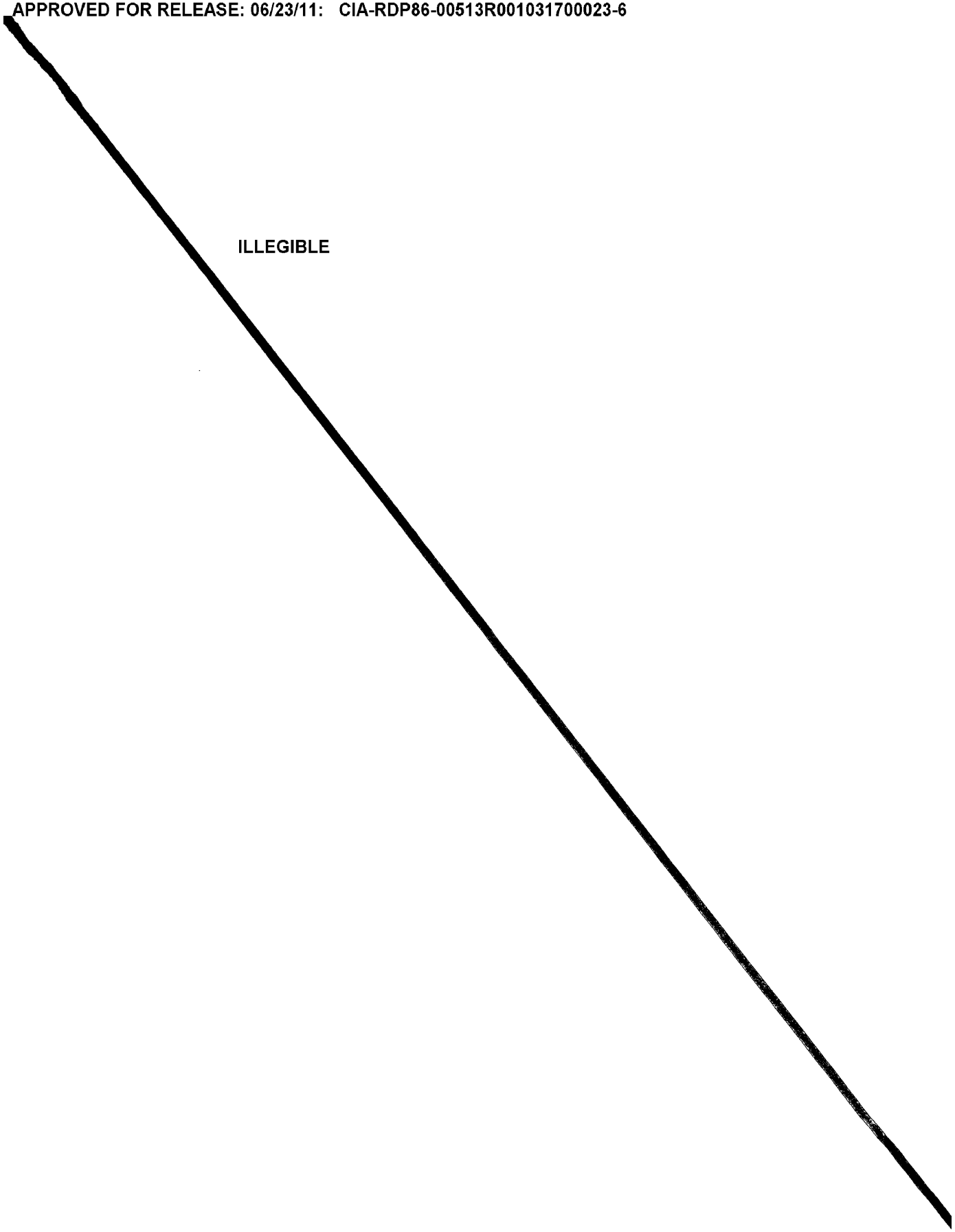
TEXT: The electrical conductivity of the reciprocal three-component system K, Ba ‖ NO_3, NO_2 was studied for the first time. In the experimental part, the authors first study the electrical conductivity of the two-component systems KNO_3 - $Ba(NO_3)_2$ and $Ba(NO_2)_2$ - $Ba(NO_3)_2$. P. I. Protsenko and O. N. Shokina (Ref. 11) measured the electrical conductivity of the two-component system $(KNO_2)_2$ - $Ba(NO_2)_2$. P. I. Protsenko and Yu. D. Tret'yakov studied the electrical conductivity of the two-component system KNO_2 - KNO_3. Fig. 1 shows the liquidus curves for the system

Card 1/3

MALAKHOVA, A.Ya.; PROTSENKO, P.I.

Nitrate-nitrite exchange in fused salts. Report No.2: Reciprocal system composed of sodium and barium nitrates and nitrites. Uch.zap. RGU no.60:143-150 '59. (MIRA 14:10)
(Salts) (Systems (Chemistry))

ILLEGIBLE



Fusibility in the ternary system of potassium and barium nitrates and nitrites. Zhur.neorg.khim. 2 no.9:2145-2153 S '57.
(MIRA 10:12)

1.Rostovskiy-na-Donu gosudarstvennyy universitet.
(Fusion) (Barium nitrate) (Barium nitrite)

MALAKHOVA, A.V. (Kiyev, ul. Novostroitel'naya, d.29, kv.12)

Radical operations with artificial circulation for the tetralogy of Fallot. Grud. khir. 6 no.4:6-11 Jl-Ag '64.

(MIRA 18:4)

1. Klinika serdechnoy khirurgii (zav. - chlen-korrespondent AMN SSSR prof. N.M.Amosov) Ukrainskogo instituta tuberkuleza i grudnoy khirurgii (dir. - dotsent A.S.Mamolat).

AMOSOV, Nikolay Mikhaylovich, prof.; LISSOV, Igor' Leonidovich; SIDARENKO, Lena Nikolayevna; Prinimali uchastiye:TRESHCHINSKIY, A.I.; MOKHNYUK, Yu.N.; MALAKHOVA, A.V.; BEREZOVSKIY, K.K., red.; CHUCHUPAK, V.D., tekhn. red.

[Heart surgery with artificial blood circulation] Operatsii na serdtse s iskusstvennym krovoobrashcheniem. Pod red. N.M. Amosova. Kiev, Gos.med.izd-vo USSR, 1962. 245 p. (MIRA 16:7)

1. Chlen-korrespondent AMN SSSR (for Amosov).
(HEART--SURGERY) (PERFUSION PUMP (HEART))

MALAKHOVA, A.V.

AMOSOV, N.M., prof.; MALAKHOVA, A.V., kand.med.nauk; GOLOVSKIY, Ye.V.

Decortication of the lung in treatment of tuberculous empyema [with summary in English]. Vest.khir. 80 no.3:36-42 Mr '58. (MIRA 11:4)

1. Iz Ukrainskogo instituta tuberkuleza (dir. - A.S.Mamolat) Adres avtorov: Kiyev -38, Klinicheskaya ul., d.4, Tuberkuleznyy insitut, 2-ye khirurgicheskoye otdeleniye.

(TUBERCULOSIS, PULMONARY, compl.
pleural empyema, surg., lung decortication (Rus))

MALAKHOVA, A.V., kand.med.nauk, GRIMALOVSKAYA, V.A., kand.med.nauk (Kiyev, ul. Engel'sa, d.19, kv.9)

Pulmonary blood supply through adhesions. Nov.khir.arkh. no.2:83-85 Mr-Ap '58 (MIRA 11:6)

1. Kafedra torakal'noy khirurgii (zav. - prof. N.M. Amosov) Kiyevskogo instituta usovershenstvovaniya vrachey i kafedra patologicheskoy anatomii (zav. - prof. Ye.I. Chayka) Kiyevskogo meditsinskogo instituta.

(LUNGS--BLOOD SUPPLY)

MALAKHOVA, A. V.

MALAKHOVA, A. V.- "Radical Operation in Care of Festered Lung Diseases." Kiev State of Labor Red Banner Med Inst imeni Academician A. A. Bogomolets, Kiev, 1955 (Dissertations fro Degree of Candidate of Medical Sciences)

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

MALAKHOVA, A. N.

"Toxic Pulmonary Cirrhosis of Occupational Etiology." Thesis for Degree of Cand. Medical Sci. Sub 7 Feb 50, Central Inst for the Advanced Training of Physicians.

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950

MALAKHOV, Zosim Stepanovich; BEREZNIKOV, Viktor Vasil'yevich; KHURSIN, Leonid Aleksandrovich; KARNAUKHOV, G.T., red.; KARASEV, A.Ye., red.

[Ship towing] Buksirovka korablei. Moskva, Voenizdat, 1964. 110 p. (MIRA 17:9)

MALAKHOV, Z.S., kapitan 1 ranga zapasa; SHAKHGEDANOV, A.A., inzh.-kapitan 1 ranga; LOPATIN, A.M., kapitan 1 ranga; YEMEL'YANOV, N.V., kapitan 1 ranga; BOGOYAVLENSKIY, D.N., kapitan 2 ranga; GORODENKO, B.K., kapitan 2 ranga; VAL'KOV, I.Ya., inzh.-podpolkovnik; NOVOSIL'TSEV, O.N., kapitan-leytenant, BIRINBERG, M.E., inzh.; FADEYEV, V.G., vitse-admiral, obshchiy red.; MASHAROV, A.I., red.; STREL'NIKOVA, M.A., tekhn.red.

[Practical seamanship] Morskaia praktika. Moskva, Voen.izd-vo M-va obor.SSSR. Pt.1. 1958. 416 p. (MIRA 12:6)
(Navigation)

MALAKHOV, Yu.I., inzh.

Rectifier using ignitrons for the drives of oil switches.
Vest. elektroprom. 32 no.10:72 O '61. (MIRA 14:9)
(Electric switchgear) (Power supply to apparatus)

S/137/62/000/003/084/191
A006/A101

Investigation of the automatic ionic drive of .... corresponding range of speed control and small dimensions.

K. Ursova

[Abstracter's note: Complete translation]

Card 2/2

S/137/62/000/003/084/191
A006/A101

AUTHOR: Malakhov, Yu.I.

TITLE: Investigation of the automatic ionic drive of a drawing mill

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 26 - 27, abstract 3D143 (Tr. In-ta yadern. fiz. AN KazSSR", 1961, v. 4, 158 - 171)

TEXT: The author presents experimental results from the Alma-Ata Plant of Heavy Machine-Building, concerning the assimilation of ionic drive. When developing the ionic drive of the mill it was intended to reduce the weight and cost of the electric equipment of the mill, to raise the power indices of the drive, to check under operational conditions the behavior of valves (ignitrons and thyratrons) and of the control circuit. The mechanical section of the mill was not redesigned; therefore, the maximum drawing speed remained 600 m/min. After stand tests the drawing mill was mounted at the Odessa plant for steel and hemp ropes in September 1956. Tests have shown that the use of ionic drive for drawing mills is fully justified. The ionic drive with the use of ignitrons, a depending ignition circuit, and mixed grid control, can be recommended for various mechanisms and machines requiring smooth acceleration, reduced charge speeds, a

Card 1/2

Physical Metallurgy and Pressworking of Metals SOV/5690

AVAILABLE: Library of Congress

Card 6/6

VK/wrc/mas
11-22-61

Physical Metallurgy and Processworking of Metals SOV/5690

Card 5/6

Physical Metallurgy and Pressworking of Metals SOV/5599

Physical Metallurgy and Pressworking of Metals SOV/5690

Card 3/6

Physical Metallurgy and Processing of Metals SOV/5090

Problems of automatic inspection and control of multidraft wire-drawing frames are also considered. Most of the papers are accompanied by references, the majority of which are Soviet.

TABLE OF CONTENTS:

Card 2/6

MALAKHOV, Yu I

23

PHASE I BOOK EXPLOITATION SOV/5690

Akademiya nauk Kazakhskoy SSR. Institut yadernoy fiziki.

Metallovedeniye i obrabotka metallov davleniyem (Physical Metallurgy and Pressworking of Metals) Alma-Ata, 1961. 183 p. (Series: Trudy Instituta yadernoy fiziki, t. 4) 2,450 copies printed.

Resp. Eds.: I. G. Grinman and A. A. Presnyakov; Resp. Secretary: V. V. Chervyakova; Eds.: M. Ya. Brailovskaya and T. I. Shevchuk; Tech. Ed.: Z. P. Rorokina.

PURPOSE: This book is intended for scientific research workers, technical personnel in industry, and students and aspirants interested in problems of physical metallurgy and the pressworking of metals.

COVERAGE: The book, Volume IV of the Transactions of the Institute of Nuclear Physics, Academy of Sciences Kazakh SSR, contains papers reviewing problems of physical metallurgy. Attention is given to a consideration of metal ductility, strength, phase transformation, and the ordering of various alloys, and to a discussion of the diffusion mechanism of the plasticity. Experimental findings concerning strength, deformation, and external friction in the working of non-ferrous metals and alloys are included in papers dealing with metal rolling.

Card 1/6

110-4-21/25

Modernisation of the Electrical Equipment of Wire-drawing Machines Series BMA

There are 2 figures and 1 table.

ASSOCIATION: Alma-Ata Heavy Engineering Works
(Alma-Atinskiy zavod tyazhelogo mashinostroyeniya)

SUBMITTED: July 5, 1957

AVAILABLE: Library of Congress

Card 2/2

MALAKHOV, Yu. I.

AUTHOR: Malakhov, Yu.I., Engineer 110-4-21/25

TITLE: Modernisation of the Electrical Equipment of Wire-drawing Machines Series VMA (Modernizatsiya elektrooborudovaniya volochil'nykh mashin serii VMA)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, No. 4, pp. 70 - 71 (USSR).

ABSTRACT: Wire-drawing machine series BMA produces aluminium conductors for the manufacture of wires and cables and is illustrated in Fig.1. A group of 6, 8 or 10 standard machines is used, depending on the diameter of the initial wire and of the finished product. The first machines displayed a number of defects which are listed and were overcome by modifications. A table gives the main properties of the machines before and after modification. It will be seen that the rate of wire drawing is increased by 20%, the weight is reduced by 10 - 30% and the output is increased by up to 45%. It is concluded that industrial operation of the improved wire-drawing machines in the works of Moskabel', Kirskabel', Tashkentkabel' and others showed that: automatic starting reduces idle time and facilitates control of the machine; the introduction of automatic light-signalling to indicate protective or interlocking action increases machine running time; and the use of a wound-rotor motor to drive the winding apparatus increases its reliability.

Card1/2

MALAKHOV, Yu.A., dotsent; SHOROKHOV, V.V., veter. vrach.; ULANOV, I.A., veter. vrach; TALISHEVSKAYA, M.Ye., veter. vrach.

Diagnosis and prophylaxis of leptospirosis in suckling pigs. Veterinariia 42 no.7:31-34 Jl '65. (MIRA 18:9)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

LIKHACHEV, N.V.; NAZAROV, V.P.; AGEYEV, L.S.; BORISOVICH, Yu.F.; LYUBASHENKO, S.Ya.; KORNEYEV, I.P.; MALAKHOV, Yu.A.; YURKOV, G.G.

Book reviews and bibliography. Veterinariia 40 no.8:86-89 Ag '63. (MIRA 17:10)

LYUBASHCHENKO, S.Ya., prof.; MALAKHOV, Yu.A., kand.veter. nauk

Ways for the eradication of leptospirosis in swine. Veterinariia 40 no.5:19-25 My '63. (MIRA 17:1)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

MALAKHOV, Yu. A. (Candidate of Veterinary Sciences, Moscow Technological Institute of the Meat and Dairy Industry).

"The Listeria carrier state in rats..."
Veterinariya, vol. 39, no. 2, February 1962 pp. 41

MALAKHOV, Yu.A., assistent

Accelerated diagnosis of listerellosis. Veterinariia 37 no.1: 73-74 Ja '60. (MIRA 16:6)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

(Listeriosis)

MALAKHOV, Yu. A. Cand Vet Sci -- "~~Dermatomycoses~~ Listeria carrying in ~~pigs~~ Hogs and rats." Mos, 1960 (Mos Vet Acad). (KL, 1-61, 203)

MALAKHOV, Yu.A., assistent

Bacteriological diagnosis of listerellosis. Veterinariia 36 no.1:82-86 Ja '59. (MIRA 12:1)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

(Listerellosis)

FRENYDLINA, Ye., kand.vet.nauk; MALAKHOV, Yu., assistent

Preparation of culture media from the liver of cattle infected with contagious diseases. Mias.ind.SSSR 30 no.1:52-53 '59. (MIRA 12:4)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.
(Bacteriology--Culture and culture media) (Liver)

MALAKHOV, Yu.A.

Saccharolytic properties of Listerella as a function of the pH of the medium. Lab.delo 4 no.3:44-46 My-Je '58 (MIRA 11:5)

1. Iz kafedry mikrobiologii (zav. - prof. M.A. Agul'nik) Moskovskogo tekhnologicheskogo instituta myasnoy i molochnoy promyshlennosti.
(LISTERELLA)

MALAKHOV, Yu.A., assistent.

Antagonists of putrefying microorganisms in salting meat. Veterinariia 32 no.9:79-80 S '55. (MLRA 8:12)

1.Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.
(MEAT--BACTERIOLOGY) (BACTERIAL ANTAGONISM)

AGUL'NIK, M.A., professor; MALAKHOV, Yu.A., assistant.

Antagonistic effect of Cocci on other microflora and the role of some "aromatic" microorganisms in the curing process. Veterinariia 32 no.4:76-77 Ap '55. (MLRA 8:5)

1.Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.
(MEAT BACTERIOLOGY) (BACTERIAL ANTAGONISM)

MALAKHOV, Ye.S.

Blood picture in chronic gastritis. Klin.med. 34 no.4:89 Ap '56.
(STOMACH--DISEASES) (MLRA 10:1)
(BLOOD--EXAMINATION)

MALAKHOV, Ye. S.

Comparative evalutaion of therapy of pneumonia with sulfidine, sulfidine rhombiform novocain block and with combined method. Klin. med., Moskva 30 no. 11:85 Nov 1952. (CIML 23:5)

1. Of the Therapeutic Division (Head -- Ye. S. Malakhov) of the Railroad Hospital (Head -- D. G. Prokopchuk) of Station imeni T. G. Shevchenko.

BABICH, V.G.; MALAKHOV, Ye.S.

Therapy of lumbago and ischioradiculitis with internal administration of novocain. Sovet. med. no.2:41 Feb 52. (CIML 21:5)

1. Kiev Oblast.

MALAKHOV, Ye.S.; NEVEROVA, L.A.

Santonin in liver function test. Klin.med.,Moskva 29 no.5:85 May 1951.
(CIML 20:9)

1. Of the Therapeutic Division (Head--Ye.S. Malakhov) of Shevchenko Station Hospital.

MALAKHOV, Ye.N.

Mechanization of labor-consuming operations in shipbuilding.
Sudostroenie 30 no.11:64-69 N '64. (MIRA 18:3)

MALAKHOV, Ye.N., inzh.-podpolkovnik.

Checking and adjusting testing stands for gun barrels during repair. Artill. zhur. no.1:42-44 Ja '58. (MIRA 11:2)
(Ordnance)

MALAKHOV, Ye.K., inzh.

Standardization and economic aspects of planning and building underground pipelines to be laid in petroleum provinces of Bashkiria. Trudy MIEI no.14:209-216 '59. (MIRA 13:1)

1. Gosudarstvennyy proyektnyy institut Bashneftеproyekt.
(Bashkiria--Pipelines)

MALAKHOV, Ye.A., inzh.

Synthesis of two-stage RC selective amplifiers. Sbor. trud. LIIZHT no.224:133-140 '64. (MIRA 18:9)

MALAKHOV, Ye.A., assistent

Design of a selective transistor amplifier with a double T-type bridge in the feedback circuit. Sbor. trud. LIIZHT no.179:126-132 '61. (MIRA 16:11)

PHASE I BOOK EXPLOITATION SOV/4426

Leningrad. Institut inzhenerov zheleznodorozhnogo transporta

Avtomatika, telemekhanika i svyaz' (Automation, Telemechanics, and Communications) Moscow, Transzheldorizdat, 1960. 230 p. (Series: Its: Sbornik, vyp. 169) 1,000 copies printed.

General Ed.: V. N. Listov, Professor; Ed.: G. I. Marenkova, Engineer; Tech. Ed.: Ye. N. Bobrova.

PURPOSE: This book is intended for technical personnel and scientists engaged in the fields of automation, telemechanics, and communications.

COVERAGE: This collection of articles presents various methods of analysis and synthesis of electric circuits. New designs are described and ways of improving technical and economic indices of communication instruments investigated. The articles contain computations for individual types of communication and telemechanical systems. No personalities are mentioned. Some of the articles are accompanied by references.

Malakhov, Ye. A., Engineer. Computation of Selective Amplifiers RC using Functions of the Best Approximation 67

The author solves the problem of defining the fractional function coefficient, which reflects the behavior of an amplifier circuit, provided that in the given band of frequency change the difference between function value and given value is minimum. There are 3 references, all Soviet.

Orurk, I. A. Candidate of Technical Sciences, Docent. Synthesis of Linear Systems of Automatic Regulation Based on Time Characteristics 76

The author develops the method proposed by him (ref. 6) for determining the optimum parameters of complex linear systems of regulation. This synthesis method based on time characteristics uses integral equations in conjunction with D-decomposition of parameter planes. The author concludes that his method is relatively rapid, based as it is on simple mathematical operations, and, since its computations can be presented in the form of algorithms, he advocates its application when using computers. There are 6 references, all Soviet.

Tabachinskiy, V. F., Candidate of Technical Sciences, Docent. Computation of Demagnetization Factors for Permanent Cylindrical Magnets Using the Method of Vector Potentials 93

The author gives an approximate analytical computation of demagnetization factors for tubular cylindrical magnets and concludes that, with a certain error, his method is valid for magnets having the shape of rotating bodies. There are 2 references, both Soviet.

Tsekin, M. A. Candidate of Technical Sciences, Investigation of a Shock-Excited Oscillator With Autotransformer Feedback 104

In this article, a shock-excited oscillator with autotransformer feedback is discussed. Its circuit, operational principle, the mathematical analysis of its circuit, and methods for its computation are given. The author describes experiments which bring him to the conclusion that, by means of shunting the tube circuit of the oscillator, it is possible to suppress oscillations during pulse intervals. The conclusion is also drawn that the establishment of oscillation amplitude does not depend on pulse duration and starting pulse repetition frequency F. There are 7 references, all Soviet.

Card 6/11

MALAKHOV, YE. A.

MALAKHOV, Ye.A., inzh.

Frequency-selective amplifier equipped with semiconducting triodes. Sbor.LIIZHT no.161:145-151 '58. (MIRA 11:12)
(Transistor amplifiers)

MALAKHOV, Ye.A., inzh.

Designing amplifiers with rheostat and capacitance circuits in the feedback. Shor.LIIZHT no.161:132-144 '58. (MIRA 11:12)
(Amplifiers, Vacuum-tube)

MALAKHOV, Ya.S.

Determining the size of collargol particles in an aqueous solution by the method of X-ray scattering at small angles. Izv. vys. ucheb. zav.; fiz. no.6:19-22 '63. (MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut.

MALAKHOV, Yakov Isayevich; PEKAREVA, Niss Aleksandrovna; VOLODIN, P.A., red.; KIARTANO, I.V., red. izd-va; NAUMOVA, G.D., tekhn. red.

[Electrostal'. Pod red. P.A.Volodina. Moskva, Gosstroiizdat, 1962. 126 p. (MIRA 15:12)
(Electrostal'--City planning)

MALAKHOV, Ya.A., tekhnik-burovik

Organization of boring deep holes at the Lebyazh'ye Mine.
Gor. zhur. no.2:72 F '65. (MIRA 18:4)

1. Vysokogorskoye rudoupravleniye.

PROKHOROV, Yu.S.; MALAKHOV, Ya.A.

Pneumatic pusher for charging deep holes in underground mines.
Gor.zhur. no.2:69 F '63. (MIRA 16:2)

1. Vysokogorskoye rudoupravleniye, g. Nizhniy Tagil.
(Blasting--Equipment and supplies)

ACC NR: AP7004399

that an increase in the number of valence electrons, increases the energy stability of the stable d-configurations. The dependences examined confirm the role of stable electronic configurations in the formation of the physical properties of elements and compounds. The authors' thank G. V. Samsonov, Corresponding Member, AN UkrSSR, for his valuable recommendations and advice. Orig. art. has: 5 figures and 1 table. [Authors' abstract]

[NT]

SUB CODE: 11/SUBM DATE: 01Aug66/ORIG REF: 018/OTH REF: 001/

Card 2/2

ACC NR: AP7004399 SOURCE CODE: UR/0226/67/000/001/0058/0069

AUTHOR: Malakhov, Ya. S.; Tkachenko, I. G.

ORG: Zhdanov Institute of Metallurgy (Zhdunovskiy metallurgicheskiy institut)

TITLE: Properties of transition metals from the viewpoint of the concept of stable electronic configurations

SOURCE: Poroshkovaya metallurgiya, no. 1, 1967, 58-69

TOPIC TAGS: transition metal, heat of atomization, resistivity, hardness, crystal lattice, electronic configuration

ABSTRACT: Stable electronic configurations in the d-shell of transition metals are correlated with their heat of atomization, interatomic distance, thermal coefficient of linear expansion, and resistivity and hardness. It is assumed that the physicochemical properties of transition metals are conditioned by the appearance of d-shell configurations in the crystal lattice, the statistical weight, and degree of energy stability. It is shown that the d^5-configuration has the highest energy stability among the stable d^0-, d^5-, and d^{10}-configurations and

ZAKOV, I., arkhitektor; MALAKHOV, Ya., arkhitektor; SATANOV, M., arkhitektor

Reconstruction of the cities of Klin and Elektrostal'. Na stroi.Ros. 3 no.4:14-15 Ap '62. (MIRA 15:9)
(Klin--City planning) (Elektrostal'--City planning)

MALAKHOV, V.Ye.; SMETANNIKOV, A.A.

Collective control of mine safety conditions. Ugol' 35 no.9:21-23 S '60. (MIRA 13:9)

1. Shakhta "Abashevskaya" 3/4 tresta Kuybyshevugol' (konbinat Kuzbassugol').
(Kuznetsk Basin--Coal mines and mining--Safety measures)

MALAKHOV, V.Ye.

"Abashevskaya" mine no.3/4 of the Kuzbassugol' Combine. Ugol' 35 no.2:42-44 F '60. (MIRA 13:5)

1. Nachal'nik shakhty "Abashevskaya" No.3/4.
(Kuznetsk Basin--Coal mines and mining)

MALAKHOV, V.Ye., inzh.

Preventing air leakage in mine-surface buildings. Bezop. truda v prom. 3 no.6:32 Je '59. (MIRA 12:10)
(Mine ventilation)

L 38109-66

ACC NR: AP6015724

The indium hydroxide which separates out is filtered and washed with hot water; the filtrate containing calcium is collected in a measuring flask. The indium hydroxide residue in the filtrate is dissolved in hot hydrochloric acid, and the filtrate is collected in a measuring flask. Determination of calcium and indium in the solutions obtained can be done by any desired method. The relative mean square error of the determination is about 1%. Orig. art. has: none.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 003

Card 2/2

L 38109-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG/WB

ACC NR: AP6015724 SOURCE CODE: UR/0032/66/032/005/0528/0529

AUTHOR: Trukhacheva, V. A.; Malakhov, V. V.

ORG: Institute of Inorganic Chemistry, Siberian Branch, AN SSSR (Institut neorganicheskiy khimii SO AN SSSR) 31 B

TITLE: Analysis of indium-containing sodium chloride crystals

SOURCE: Zavodskaya laboratoriya, v. 32, no. 5, 1966, 528-529

TOPIC TAGS: quantitative analysis, indium, sodium chloride

ABSTRACT: Experiments have shown that with melting of sodium chloride crystals with soda and with additions of In_2O_3 no loss of indium is observed. As a result of analysis, more than 99% of the amount of indium introduced is detected. For the analysis, 0.5 grams of a pulverized sample of sodium chloride crystals is placed in a platinum crucible, mixed with 3 grams of anhydrous soda, and melted in a muffle furnace at 1200°C for 30 minutes, with addition of an additional 0.5 grams of soda. The melt is dissolved in hydrochloric acid and the silicic acid is separated out; analysis for silicon is completed by weighing. After separation of the silicon, an ammonia solution is added to the hydrochloric acid filtrate, up to the point of a slight odor.

Card 1/2