KUZNETSOV, G.K.; TARUNIN, Yu.N.; FEDOROV, B.P.

Power testing of the TG-135-L tow shaker. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.6:18-21 '64. (MIRA 18:3)

1. Kostromskoy tekhnologicheskiy institut.

ACC NR: AP6033513 SOURCE CODE: UR/0413/66/000/018/0148/0148

45
B

INVENTOR: Roshchina, L. V.; Kuznetsov, G. K.

ORG: none

TITLE: Brazing alloy for molybdenum and its alloys. Class 49, No. 186261

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 148

TOPIC TAGS: brazing alloy, molybdenum brazing, molybdenum alloy brazing, MOLYBDENUM

ABSTRACT: This Author Certificate introduces a brazing alloy for molybdenum and its alloys. To increase the heat resistance and ductility of brazed joints, 0.5—3.0% molybdenum is added to the basic components of the brazing alloy, which contains 38—42% manganese, 18—22% nickel and 38—42% copper.

SUB CODE: 11/ SUBM DATE: 10Aug64/ ATD PRESS: 5100

UDC: 621.791.26

KUZNETSOV, G.M.

KUZNETSOV, G.M., mostovoy master (stantsiya Belovo Tomskoy dorogi)

Changing wall-plate beams. Put. i put. khoz. no.1:7 Ja '58.
(Railroads--Maintenance and repair) (MIRA 11:1)

KUZNETSOV, G.M., mostovoy master (st. Belovo Tomskoy dorogi)

Installing reinforced concrete posts. Put' i put.khoz. no.10:29 O '58. (MIRA 11:12)

(Railroads--Equipment and supplies)

KUZNETSOV, G.M.

Detaching parts from the riser in investment casting. Lit.proizv. no.10:30 O'55. (MLRA 8:12)

(Precision casting)

ARKHIPOV, Ye.P.; ZABIROV, K.S.; KUZNETSOV, G.M.

Stomach resection in congenital by anomalous location of the intestines. Kaz. med. zhur. no.6:64-65 N-D '60. (MIRA 13:12)

1. Khirurgicheskoye otdeleniye (zav. - G.M. Kuznetsov) 2-go bol'nichno-poliklinicheskogo ob"yedineniya Pugul'my (glavvrach - A.P. Shchekotolo).
(STOMACH—SURGERY) (INTESTINES—ABNORMITIES AND DEFORMITIES)

ARKHIPOV, Ye.P.; ZABIROV, K.S.; KUZNETSOV, G.M.

Resection fo the stomach for a congeintal anomali in the position of the intestines. Vest.khir. no.9:132-133 '61. (MIRA 15:3)

1. Iz khirurgicheskogo otdeleniya (zav. - G.M. Kuznetsov) 2-go bol'nichno-poliklinicheskogo otdeleniya g. Bugul'my.
(INTESTINES--ABNORMITITES AND DEGORMITIES) (STOMACH--SURGERY)

ARKHIPOV, Ye.P.; KUZNETSOV, G.M.

Use of N.G.Belen'kii's serum for hemostasis in surgical wounds. Kaz.med. zhur. no.2:71-72 Mr-Ap'63 (MIRA 16:11)

1. Khirurgicheskoye otdeleniye (zav. - G.M.Kuznetsov) 2-go bol'nichno-poliklinicheskogo ob"yedineniya Bugul'my (glavnyy vrach - A.P.Shchekotolo).

*

USSR/Physics - Physical chemistry

Card 1/1 : Pub. 22 - 15/41

Authors : Bochvar, A. A. Academician, and Kuznetsov, G. M.

Title : Relation between heat of fusion : melting point ratio and the sequence number of an element

Periodical : Dok. AN SSSR 98/2, 227-228, Sep 11, 1954

Abstract : Attempts were made to establish the relation between heat of fusion and melting point similar to the one established for the heat of evaporation. It was established that the melting entropy is a periodical function depending upon the sequence number of the given element of the D. I. Mendeleyev periodical system of elements. Experiments showed that elements of the F-subgroup have a maximum melting entropy in every period; alkali and alkali earth metals have the lowest melting entropy among all other metal groups. Graph.

Institution : ...

Submitted : June 25, 1954

KUZNETSOV, N. M.

"Investigation of the Modification Processes of the Structure of Binary Alloys by the Introduction of Impurities." Cand Tech Sci, Moscow Inst of Nonferrous Metals and Gold imeni M. I. Kalinin, Min Higher Education USSR, Moscow, 1955. (KL, No 11, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

KUZNETSOV, G. M.

USSR/ Chemistry - Physical chemistry

Card 1/1 Pub. 22 - 32/51

Authors : Kuznetsov, G. M.

Title : Effect of vibration on the crystallization of modified aluminum-silicon alloys

Periodical : Dok. AN SSSR 101/1, page 123, Mar 1, 1955

Abstract : Experiments were made to determine the effect of vibration on the crystallization of modified Al-Si alloys (Silumin). The thin eutectic structure formed during the crystallization of modified Silumina was investigated. A special thermal analysis showed that vibration sharply decreases the supercolling during the crystallization of the eutectics. If the modified eutectic crystallizes at a supercooling of 7 - 10° (570-567°) then the supercooling will be completely eliminated by the vibration and the eutectic will crystallize at 577°. It was found that vibration will not only weaken but even harden the structure of the eutectic. Three Russian and USSR references (1878-1954). Illustrations.

Institution : The M. I. Kalinin Institute of Non-Ferrous Metals and Gold, Moscow

Presented by : Academician A. A. Bochvar, September 13, 1954

S/180/60/000/03/007/030
E111/E352

AUTHORS: Kuznetsov, G.M. and Pikunov, M.V. (Moscow)

TITLE: Concentration Heterogeneities in Solid Solutions Near the Solidus Temperature

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1960, Nr 3, pp 44 - 47 (USSR)

ABSTRACT: Concentration heterogeneities have often been reported in far from saturated solid solutions (Refs 1-6). This effect has been attributed to preparation for the expected appearance of the new phase (Ref 7). The authors use this concept to show the directions in which a composition change in the heterogeneities may be expected to occur and the temperature conditions for their formation for a simple continuous solid-solution (Figure 1) and a more complex (Figure 2) system. The conclusions agree with published data for several alloys (Refs 1, 2, 4). The authors report experiments aimed at studying, by X-ray structural analysis (as used for similar purposes in Refs 1, 2, 4, 5) the appearance of concentration heterogeneities in copper alloys with 10% Sn, 7% Al or 7% Sb near the solidus. The alloys were prepared from grade MO copper, O1 tin,

Card1/2

Concentration Heterogeneities in Solid Solutions Near the Solidus Temperature

S/180/60/000/03/007/030
E111/E352

Su i antimony and A00 aluminium. Copper was melted under charcoal in a graphite crucible, deoxidised with 0.01% phosphorus and then alloyed with the appropriate element. Small ingots were heat- and mechanically treated (Table 1 gives conditions). Selected treated ingots (properties summarised in Table 2) were cut into specimens which were annealed for 5 or 10 hours at various temperatures (600 - 1 100 °C, controlled to ± 5 °C). After air cooling and surface cleaning diffraction patterns were obtained with a KROS-1 camera with CoK_{α_1} radiation; lattice parameters were calculated with an accuracy of ± 0.0005 kX. Table 3 shows these, grain size and annealing temperature and time: in Cu + 10% Sn and Cu + 7% Sb lattice parameter changed while grain size remained constant; in Cu + 7% Al both remained constant. The authors conclude that in the first two concentration heterogeneities arise near temperatures approximating to the solidus. There are 2 figures, 3 tables and 11 references, 10 of which are Soviet and 1 English.

Card2/2

SUBMITTED: December 28, 1959

SMAL'SHCHENKO, V.A.; KUZNETSOV, G.M.

Investigating the kinetics of the decomposition of supersaturated solid solutions in aluminum alloys with 4 percent copper. Izv. vys. ucheb. zav.; tsvet. met. 3 no.3:136-138 '60. (MIRA 14:3)

1. Krasnoyarskiy institut tsvetnykh metallov, Kafedra matallovedeniya.

(Aluminum-copper alloys--Metallography)
(Solutions, Solid)

37836

S/123/62/000/008/008/016
A004/A101

18.8200

AUTHORS: Kuznetsov, G. M., Sobolev, A. S.

TITLE: On the practicability of the Meyer rule during hardness tests

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 8, 1962, 27, abstract 8A201 ("Sb. nauchn. tr. In-t tsvetn. met. im. M. I. Kalinina", 1960, v. 33, 263-267)

TEXT: Investigations were carried out to determine the practicability of the Meyer rule: $P = ad^n$, where P - load, d - indentation diameter, a and n - test constants. The hardness was determined at room and elevated temperatures (300, 400, 450 and 500°C) on Pb, Al, Cu, bronze and brass specimens, the indenter impression duration being 0.5, 5 and 50 minutes. It was found that during hardness tests at 20°C and elevated temperatures, a deviation from the Meyer rule is taking place in the range of considerable deformation, i.e. n is no constant of the given material, but depends on the temperature, holding time and degree of deformation.

[Abstracter's note: Complete translation]

X

Card 1/1

S/137/62/000/006/113/163
A052/A101

AUTHORS: Kuznetsov, G. M., Grebenshchikova, L. Ye.

TITLE: The effect of diffusion annealing on the critical degree of deformation in Al-Fe alloys

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 42, abstract 6I250 ("Sb. nauchn. tr. In-t tsvetn. met. im. M. I. Kalinina",33, 1960, 268 - 270)

TEXT: Ingots of Al-0.1% Fe, Al-0.2% Fe, Al-0.5% Fe alloys and of pure Al [AB000 (AV000)] were cut in two parts; one part was subjected to diffusion annealing under the following conditions: 100 hours at 450°C, then a slow rise of temperature to 550°C during 100 hours. Both treated and untreated parts of the ingots were hot-rolled at 420 - 450°C and cold-rolled to 0.8 mm thickness. The degree of deformation at cold rolling made up 84%. The produced specimens were subjected to recrystallization annealing to obtain the grain size of 0.2 - 0.3 mm, and then stretched to different degrees of deformation and annealed at 500°C for 1 hour, and the grain size was determined again. In alloys not subjected to dif-

Card 1/2

fusion annealing Fe-additions increase essentially the critical degree of deformation (from 2% for a pure Al to 11.5% for Al-0.5% Fe alloy). The high-temperature diffusion annealing of alloys decreases essentially the critical degree of deformation, however with an increase of the amount of Fe the critical degree of deformation increases also for the diffusion-annealed alloys (from 2.5% for Al-0.1% Fe alloy to 4% for Al-0.5% Fe). The effect of diffusion annealing on the change of the critical degree of deformation is explained by the elimination of supersaturation of the solid solution which is formed in the process of non-equilibrium crystallization.

P. Zubarev

[Abstracter's note: Complete translation]

35775

S/180/62/000/001/011/014
E111/E135

18.1710

AUTHORS: Rogel'berg, L.N., Zakharov, M.V., Kuznetsov, G.M., and Pigidina, E.N. (Moscow)

TITLE: Ageing of aluminium-magnesium and aluminium-magnesium-zinc alloys

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo. no.1, 1962, 147-150

TEXT: The process of decomposition of the supersaturated solid solution of three complex alloys was studied. The alloys contained 7.3 Mg and 0.3% Mn (alloy 1); 7.3 Mg, 0.3 Mn and 0.94% Zn (alloy 2); and 7.3 Mg, 0.3 Mn and 1.19% Zn (alloy 3). Specimens were prepared from 1mm rolled strip, water quenched from 450 °C after holding at this temperature for 5 hours, and aged at 70, 100, 150, 200, 250 and 280 °C for times of several seconds to 90 days. X-ray photographs were taken using a copper anode and the lattice parameter of the solid solution was determined from the (420) and (422) lines. The accuracy was

X

Card 1/3

0.0013kX. Ageing at 70 °C produces practically no change in the parameter of any of the alloys. At 100 °C the parameter of the initial solid solution did not change but, after 30 days, decomposition began leading to the formation of a new solid solution with a different lattice parameter. After 30 days at 100 °C the lattice parameter of the solid solution formed by decomposition of the alloy containing 1.19% Zn varied in the limits 4.0661-4.0600kX and after 60 days 4.0661-4.0564kX. The magnesium content in the regions where partial precipitation of the secondary phase had occurred was calculated to have decreased from 5.4 to 4.1% after 30 days and from 5.4 to 3.0% after 60 days. Ageing at 150 °C was also shown to cause "two phase" decomposition. After 2 days the lattice parameter of the initial solid solution of all the alloys decreased. After 5 days a new solid solution appeared. Ageing at 200 °C caused a gradual change in lattice parameter. After a short time, regions with different concentrations appeared. Ageing at 250-280 °C resulted in the same type of decomposition. At 280 °C, decomposition occurred later and the rate was lower than at

250 °C. This was due to a decrease in supersaturation of solid solution at 280 °C. Thus, the solid solution is most unstable at 250 °C; the increased stability of the solid solution below 250 °C is due to the slower rates of diffusion with decreased temperature. The increase in stability above 250 °C is due to a decrease in supersaturation. The presence of zinc accelerated the process of decomposition at all temperatures but had no effect on the type of decomposition.
There are 4 figures.

SUBMITTED: May 12, 1961

X

S/180/62/000/003/009/016
E193/E383

AUTHORS: Rogel'berg, L.N., Kuznetsov, G.M. and Sobolenko, T.M. (Moscow)

TITLE: X-ray investigation of the decomposition of the solid solution in aluminium alloys after quenching and deformation

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo, no. 3, 1962, 81 - 84

TEXT: The effect of plastic deformation on the kinetics of decomposition of the solid solution in solution-treated Al-Mg alloys was studied. The experimental alloys contained 7.3% Mg, 0.35% Mn, 0.05% Ti, 0.05% Zr, 0.003% Be with Fe and Si as impurities (approximately 0.15% each); one of the alloys contained also 0.9% Zn. Ageing tests were carried out on strip specimens (15 x 20 x 1 mm), air-quenched from 450 °C after 4 h at the temperature and then cold-rolled to 50% reduction. The ageing temperature ranged from 70 to 300 °C, the ageing time from 5 sec to 60 days. The progress of decomposition during ageing

Card 1/3

was inferred from X-ray diffraction data on the change in the lattice parameter and from the variation in the width of the (422) lines. Conclusions:

1. plastic deformation of solution-treated Al-Mg alloys accelerates the decomposition of the solid solution during ageing; the lower the ageing temperature, the more marked is this effect.

2) The effect of plastic deformation on the rate of decomposition of solid solution is more pronounced in Al-Mg alloys with 0.9% Zn, the difference between the Zn-bearing and Zn-free alloys increasing with decreasing ageing temperature.

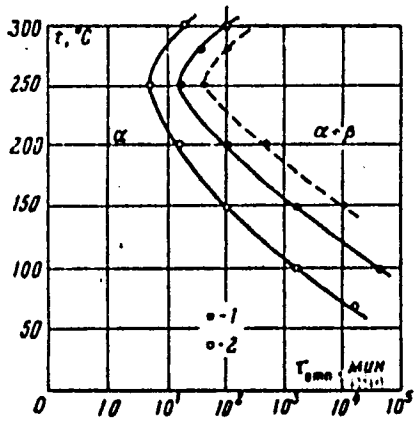
3) The combined effect of Zn addition, plastic deformation and ageing temperature on the rate of decomposition is shown quantitatively in Fig. 3, where the moment at which this process begins is plotted in the ageing-temperature (^{o}C)/ageing-time (min) coordinates; the points (1) and circles (2) relate, respectively, to Zn-free and Zn-bearing alloys, the continuous and broken curves relating, respectively, to quenched only and quenched plus plastically deformed specimens. There are 3 figures.

S/180/62/000/003/009/016
E193/E383

X-ray investigation ....

SUBMITTED: March 28, 1961

Fig. 3:



Card 3/3

KUZNETSOV, G.M.; SOBOLEV, A.S.

Liquidus curves in binary systems of germanium and silicon.
Issl. splav. tsvet. met. no.4:94-99 '63. (MIRA 16:8)

(Germanium alloys—Thermal properties)
(Silicon alloys—Thermal properties)
(Phase rule and equilibrium)

ACCESSION NR: AT4001239 S/3031/63/000/035/0226/0232

AUTHORS: Rogel'berg, L. N.; Kuznetsov, G. M.; Pigidina, E. N.

TITLE: Electric resistance method of investigating solid solution decomposition in aluminum-manganesium and aluminum-magnesium-zinc alloys

SOURCE: Gosudarstvenny*y institut tsvetny*kh metallov, Sbornik nauchny*kh trudov. Moscow, no. 35, 1963, 226-232

TOPIC TAGS: aluminum magnesium alloy, aluminum magnesium zinc alloy, aluminum magnesium solid solution, aluminum magnesium zinc solid solution, solid solution, solid solution decomposition, aluminum magnesium solid solution decomposition, aluminum magnesium zinc solid solution decomposition, aluminum magnesium alloy resistivity, aluminum magnesium zinc alloy resistivity

ABSTRACT: Most earlier research on age hardening of the alloys of aluminum-magnesium system have been devoted to binary (Al-Mg) and ternary (Al-Mg-Zn) alloys. In view of the increasing use of more complicated multicomponent alloys, the authors investigated solid

Card 1/β2

ACCESSION NR: AT4001239

solutions in the foregoing alloys by two methods, measurement of electric resistivity and microscopic analysis. Commercial alloys AMg7 with and without addition of 0.94% Zn were tested and curves plotted for the start of the isothermal decay of the solid solution. Decomposition was found to set in at 70--250° with segregation along the grain boundaries, with decomposition inside the grain following only after some time. Following tempering in the 100--280° interval, the zinc accelerates the decay of the solid solution both the initial stage of the process (on the grain boundaries) and in the subsequent stage (inside the grain). In the presence of additional zinc the β-phase segregations become more disperse. Orig. art. has: 6 figures.

ASSOCIATION: Gosudarstvenny*y institut tsvetny*kh metallov (State Institute of Nonferrous Metals)

SUBMITTED: 00 DATE ACQ: 17Oct63 ENCL: 00

SUB CODE: ML, MA NO REF SOV: 003 OTHER: 005

Card 2/8 2

KUZNETSOV, G.M.

Evaluation of the distribution coefficients of various elements in the semiconductor - metal ternary systems. Izv. AN SSSR. Neorg. mat. 1 no.11:1921-1927 N '65. (MIRA 18:12)

1. Submitted April 7, 1965.

KUZNETSOV, G.N.

AKISHIN, P.A.; RAMBIDI, N.G.; KUZNETSOV, G.N.; MATROSOV, Ye.I.

Electronographic determination of geometric parameters and structures of molecules of the halides of alkali elements. Zhur.neorg.khim. 2 no.7:1699-1701 Jl '57. (MIRA 10:11)
(Chemical structure) (Halides)

KUZNETSOV, G.N., inzh.; DUNAYEV, M.N., inzh.

Coal preparation in the Hungarian People's Republic. Obog. i brik.ugl. no.10:56-65 '59. (MIRA 13:9)
(Hungary--Coal preparation)

KUZNETSOV, G.N., inzh.

Investigating the kinematics of ejector gates of D-354 and D-458 scrapers. Stroi. i dor. mashinostr. 5 no.10:13-14 O '60. (MIRA 13:10)

(Scrapers)

L 10807-67 EWT(m)/EWP(e)/EWA(d) ... 40(s) ... 38/66
ACC NR: AP7003482 SOURCE CODE: UR/0413/66/000/014/0081/0081

12

INVENTOR: Kuznetsov, G. M.; Logunov, L. A.; Shkalikova, K. I.; Domnina, L. V.

ORG: none

TITLE: Gold-base alloy. Class 40, no. 183944

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 14, 1966, 81

TOPIC TAGS: gold base alloy, tunnel diode

ABSTRACT: A gold-base alloy is proposed for use in the manufacture of tunnel diode ohmic contacts. For better physical and engineering properties the components are taken in the following ratios (%): Au - 52-56; Ag - 43-47; Ga - 0.9-1.1; Cu - 0.001 (max); Ni - 0.001 (max); As - 0.001 (max); Sb - 0.001 (max). [JPRS: 37,480]

SUB CODE: 11, 09 / SUBM DATE: none

UDC: 669.215'22'871

Card 1/1

KUZNETSOV, G.N., doktor tekhn. nauk; KAZAK, V.N.; SHEYNIN, V.I.

Study of the stability of curvilinear shapes of roof supports on volumetric models. Nauch. trudy VNIIPodzemgaza no.9:48-73 '63. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut podzemnoy gazifikatsii ugley i Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut.

KUZNETSOV, G. N.

Kuznetsov, G. N. - "Experimental methods of investigating problems of mine stress", (Report), Trudy Soveshchaniya po upravleniyu gornym davleniyem, (1946), Moscow, 1948, p. 90-150, - Bibliog: 10 items.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

KUZNETSOV, G. N.; [illegible], N. A.

Strains and Stresses

Relieving pressure as a means of determining stresses operative in inter-chamber pillars of rock salt in the "Artemovskiy" mines, (Trudy) VNIMI, 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.

KUZNETSOV, G. N.

Earth Pressure

Determine the full support capacity of the roof of mines. [Trudy] VNIMI, 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.

OMEL'CHENKO, A.N., kandidat tekhnicheskikh nauk, redaktor; AVERSHIN, S.G., doktor tekhnicheskikh nauk, prcfessor, redaktor; KAZAKOVSKIY, D.A., doktor tekhnicheskikh nauk, professor, redaktor; KUZNETSOV, G.N., kandidat tekhnicheskikh nauk, redaktor; NIKIFOROV, B.I., doktor tekhnicheskikh nauk, professor, redaktor; RODKEVICH, D.V., kandidat tekhnicheskikh nauk, redaktor; TIMOFEYEV, B.I., gornyy inzhener, redaktor; SLAVOROSOV, A.Kh., redaktor; SHPAK, Ye.G., tekhnicheskiy redaktor

[Studies in surveying] Issledovaniya po voprosam marksheiderskogo dela. Moskva, Ugletekhizdat. No. 27. 1953. 394 p. [Microfilm]. (MIRA 8:7)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut.
(Mine surveying)

KUZNETSOV, G.N.

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Fuel Abstracts
Vol. XV, No.2
Feb. 1954
Natural Solid
Fuels: Winning

989. RESEARCH ON ROCK PRESSURE MAY LEAD TO EARLY PRODUCTION OF MECHANIZED SUPPORTS. Arkhangel'skii, M.S. (Ugol (Coal), Aug. 1953, 33-37). Papers to the Institute of Mining, Academy of Sciences, U.S.S.R., by S.B. Ostrovskii, A.D. Orlov, A.M. Il'shtein, V.T. Davidyants, S.M. Lipkovich, G.A. Krupennikov, and G.N. Kuznetsov on research and design, are summarized. (L).

KUZNETSOV, G.N.

DAVIDYANTS, V.T.; KRUPENNIKOV, G.A.; KUZNETSOV, G.N.; PANOV, A.D.

Basic trends of an over-all study of the operation of mechanized supports. Ugol' 29 no.8:34-40 Ag '54. (MLRA 7:8)

1. DonUGI (for Davidyants). 2. PNIUI (for Krupennikov). 3. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut (for Kuznetsov). 4. Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut (for Panov).
(Mine timbering)

KUZNETSOV, G. N.

"On the Problems of Modeling Tectonic Phenomena," physicists L. M. Kachanov, Ye. I. Edel'shteyn, G. V. Vinogradov, G. N. Kuznetsov, M. P. Volarovich, and A. V. Stepanov and geologists F. I. Vol'fson, V. A. Aprodov, N. I. Borodayevskiy, and Yu. S. Shikhin -

paper presented at the First All-Union Conference on Tectonophysics, Moscow, 29 Jan - 5 Feb 1957.

Sum 1064

KUZNETSOV, Georgiy Nikolayevich; BUD'KO, Mariya Nikolayevna; FILLIPOVA, Antonina Aleksandrovna; SHKLYARSKIY, Mechislav Feliksovich; AVERSHIN, S.G., otv.red.; LOMILINA, L.N., tekhn.red.

[Studying manifestations of rock pressure by means of models] Izuchenie proiavlenii gornogo davleniia na modeliakh. Moskva, Ugletekhizdat, 1959. 282 p. (MIRA 12:8)
(Geological modeling)
(Subsidences (Earth movements))

KUZNETSOV, G. N.
? (see next biblio card.)

/Doc Tech Sci/- (diss) "Paper on the content of published scientific works in the field of modeling of displays of rock pressure by the method of equivalent materials." /Leningrad, 1961/ 44 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, /Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst)/; 200 copies; free; list of author's works on pp 41-42 (15 entries); (KL, 10-61 sup, 212)

*KUZNETSOV, G.N., kand.tekhn.nauk; BUBLIK, F.P., kand.tekhn.nauk; KUZNETSOV, S.T., kand.tekhn.nauk

Stability of nonuniform interchamber pillars. [Trudy] VNIMI no.45:230-236 '62. (MIRA 16:4)

(Rocks—Testing)

KUZNETSOV, G.N., dr. tekhn. nauk.; KAZAK, V.N., inzh.; CHEYNIN, V.I., inzh.

Determining vertical movements of the surface by means of three-dimensional models using the shadow method. [Trudy]VNIMI no.50: 11-19 '63. (MIRA 17:10)

YEGOSHIN, V.V.; KUZNETSOV, G.N.; KOZACHENKO, Ye.S.

Mining 55,309 tons of coal from unde · a shield in 31 working days in the Kuznetsk Basin. Ugol' 40 no.3:10-12 Mr '65. (MIRA 18:4)

1. Trest Kiselevskugol' (for Yegoshin). 2. NIS pri shakhte im. Vakhrusheva (for Kuznetsov, Kozachenko).

KUZNETSOV, G.N.

Methods for designing trailer-type scrapers. Trudy Khar. avt.-dor. inst. no.28:102-109 '62. (MIRA 17:2)

KUZNETSOV, G.P.

Systolic snap in rheumatic mitral defect. Kardiologiia 5 no.2: 48-51 '63 (MIRA 17:2)

1. Iz kliniki propedevtiki vnutrennikh bolezney (zav. - prof. S.V.Shestak[illegible] [illegible]yevskogo meditsinskogo instituta.

KUZNETSOV, G. P.

68-12-17/25

AUTHORS: Sigarkina, V.N. and Kuznetsov, G.P.

TITLE: A Modification of the Apparatus for Determining Boiling Limits of Benzole Hydrocarbons (Izmeneniye pribora dlya opredeleniya predelov kipeniya benzol'nykh uglevodorodov)

PERIODICAL: Koks i Khimiya, 1957, no.12, pp. 43 - 44 (USSR).

ABSTRACT: A proposed modification of the standard apparatus (ГОСТ 2706-44) for the determination of boiling ranges of benzole hydrocarbons is proposed. This consists of replacing flame heating by electrical heating. There are 1 table and 1 figure.

ASSOCIATION: Kuznetsk Metallurgical Combine (Kuznetskiy metallurgicheskiy kombinat)

AVAILABLE: Library of Congress

Card 1/1

KUZNETSOV, German Petrovich, inzh.; POSTERNYAK, Ye.F., inzh., red.; FREGER, D.P., tekhn.red.

[Experience of the mechanics A.F.Lebedev and P.I.Shishanov in the improving of the design of automatic lathes] Opyt slesarei-remontnikov A.F.Lebedeva i P.I.Shishanova po usovershenstvovaniiu konstruktsii tokarnykh avtomatov. Leningrad, Leningr.dom nauchno-tekhn.propagandy, 1958. 13 p. (Listok novatora, no.8. Modernizatsiia i remont oborudovaniia) (MIRA 12:4)

1. Leningradskiy Dom nauchno-tekhnicheskoy propagandy (for Posternyak).

(Lathes)

KUZNETSOV, G.S.

Forest Nurseries

Norms for sowing arborescent and shrub varieties. Les. i step' 4, no. 9, 1952.

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

KUZNETSOV, G. S.

Stalingrad Province - Arboriculture

Norms in the sowing of tree and shrub seeds for forest nurseries of Stalingrad Province. Les. khoz. 5, No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952, UNCL.

KUZNETSOV, G. S. Major
Militaro-Veterinary Academy of the Soviet Army
Veterinary Service
"Lower arthotomy of the hoof joint of a horse."
SO: Veterinariia 24(5), 1947, p. 29.

KUZNETSOV, G. S., Cand. of vet. sci.
Leningrad Veterinary Institute
"Suppurative synovitis and capsular phlegmon of the hoof joint of horse."
SO: Veterinariya 27(12), 1950, p. 45

KUZNETSOV, G. S.

"Lower arthrotomia of ungulate joints, of a horse," Nauch.-prakt. raboty voyen-vet. sluzh-by Moscow, 1948, p. 50-53

SO: U-3850, 16 June 53,(Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

KUZNETSOV, G. S., Major, Vet. Service.
"Topography of skin vessels of the phalange of a horse."
SO: Vet. 25 (8), 1948, p. 29

KUZNETSOV, G. S.

Hoof

Differential diagnosis of some suppurative hoof and hoof joint wounds in horses. Veterinariia 29, No. 8, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS. LIBRARY OF CONGRESS OCTOBER 1952. Unclassified

MENISHAKOV, P.G.;KUZNETSOV, G.S.

Method of formation of fistula of the bladder in cattle. Fiziol. zh. SSSR 39 no.4:496-497 July-Aug 1953. (CLML 25:1)

1. Department of Pharmacology and Department of General and Special Surgery, Leningrad Veterinary Institute.

KUZNETSOV, G.S., dotsent.

Etiopathogenic therapy of horses with suppurative arthritis. Veterinariia 30 no.5:30-35 My '53. (MLRA 6:5)

1. Leningradskiy veterinarnyy institut.

KUZNETSOV, G.S.

MEN'SHAKOV, P.G.; KUZNETSOV, G.S.

Method of applying a "fistula" to the bladder of cattle. Fiziol.zhur. 39 no.4:496-497 Jl-Ag '53. (MLRA 6:8)

1. Kafedra farmakologii Leningradskogo veterinarnogo instituta. 2. Kafedra obshchey i chastnoy khirurgii Leningradskogo veterinarnogo instituta.
(Diuretics and diuresis)

KUZNETSOV, G. S.

"Concerning the anatomic structure of the hoof joint in horse", (Lecturer, Dept. of General and Special Surgery), Collected Works No. 14, of Leningrad Veterinary Institute USSR Ministry of Agriculture, P 240, Sel'khozgiz, 1954.

KUZNETSOV, Georgiy Sergeyevich.

Academic degree of Doctor of Veterinary Sciences, based on his defense, 28 April 1955, in the Council of Leningrad Veterinary Inst, of his dissertation entitled: "Purulent Diseases of the Hoofed Joint in Horses and Large Horned Cattle (Clinical Experimental Study)."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 14, 11 June 55, Byulleten' MVO SSSR, No. 15, Aug 56, Moscow, pp. 5-24, Uncl. JPRS/NY-537

KUZNETSOV, Georgiy Sergeyevich, prof., doktor veterinarnykh nauk; GOL'DSHTEYN, S.A., red.; MOLODTSOVA, N.G., tekhn.red.

[Pathology of the hoof of farm animals] Zabolevaniia kopyt sel'skokhoziaistvennykh zhivotnykh. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 189 p. (MIRA 11:1)
(Hoofs--Diseases)

KUZNETSOV, G. S. 215

Doctor of Veterinary Sciences, head of Dept. of Operative Surgery, Leningrad Veterinary Institute.

Studies of anatomy of horses' hooves; development of new methods of surgical treatment of joint abscesses, etc.

SO: GRINOV, A. P., LITVINENKO, A. N., Scientific Research Work in Agricultural Institutes of Higher Training, Moscow, 1957, Unclassified.

USSR/Diseases of Farm Animals. General Problems. R

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69452.

Author : Kuznetsov, G. S.
Inst : Leningrad Veterinary Institute.
Title : Clinical Observations on the Use of Calcined Clay in Certain Surgical Diseases.

Orig Pub: Sb. rabot Leningr. vet. in-t, 1957, vyp. 16, 52-55.

Abstract: A 1% solution of $CaCl_2$ is poured over pure, dry clay, and after careful mixing it is heated in a water bath to 40-45°C. A 7-9 cm. layer of it is spread over the affected part and then covered with a piece of oilcloth and a cotton pad. Such treatment is effective in newly produced fibrous lesions of joints and of fibrous sheaths of tendons,

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USSR/Diseases of Farm Animals. General Problems. R

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69452.

as well as in the exudative stage of aseptic onchocercosis of the withers; it also promotes a partial resorption of proliferations in the region of withers in horses. -- I. I. Magda.

Card : 2/2

PROTASOV, A.I., dotsent; SINEV, A.V., prof.; SMIRNOV, A.M., dotsent; BAZHENOV, A.N., dotsent; VIL'NER, A.M., prof.; BASHMURIN, A.F., dotsent; SHAKALOV, K.I., prof.; VELLER, A.A., prof.; NIKANOROV, V.A., prof.; FEDOTOV, V.P., dotsent; KUZNETSOV, G.S., prof.; BOCHAROV, I.A., prof.; SHCHERBATYKH, P.Ya., prof.; TSION, R.A., prof.; GRIBANOVSKAYA, Ye.Ya., dotsent; ADAMANIS, V.F., assistent; KOLABSKIY, N.A., dotsent; MITSKEVICH, V.Yu., dotsent; GUSEVA, N.V., dotsent; MYSHKIN, P.P., dotsent; GUBAREVICH, Ya.G., prof.; FEDOTOV, B.N., prof.; DOBIN, M.A., dotsent; SIROTKIN, V.A., prof. [deceased]; KUZ'MIN, V.V., prof.; YEVDOKIMOV, P.D., prof.; POLYAKOV, A.A., prof.; POLYAKOV, P.Ya., red.; BARANOVA, L.G., tekhn.red.

[Concise handbook for the veterinarian] Kratkii spravochnik veterinarnogo vracha. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. 624 p. (MIRA 13:12)

(Veterinary medicine)

KUZNETSOV, G.S., prof.

Fortieth anniversary of the Leningrad Veterinary Institute. Veterinariia 37 no.1:12-17 Ja '60. (MIRA 16:6)

1. Direktor Leningradskogo veterinarnogo instituta.
(Veterinary medicine--Study and teaching)

KUZNETSOV, G.S., prof., otv. red.; BOCHAROV, I.A., prof., red.; VOKKEN, G.G., prof., red.; TSION, R.A., prof., red.; DMITROCHENKO, A.P., prof., red.; SINEV, A.V., prof., red.; FEDOTOV, B.N., prof., red.; CHERNYAK, V.Z., prof., red. Prinimali uchastiye: NIKOL'SKIY, S.N., prof., red.; KHEYSIN, Ye.M., prof., red.; GUSEV, V.F., dots., red.; KOLABSKIY, N.A., dots., red.

[Papers presented at the Conference on Protozoological Problems Dedicated to the 90th Anniversary of the Birth of Professor V.L. IAkimov] Sbornik rabot Nauchnoi konferentsii po protozoologicheskim problemam, posviashchennaia 90-letiiu so dnia rozhdeniia professora V.L.IAkimova. Leningrad, 1961. 292 p. (MIRA 15:6)

1. Nauchnaya konferentsiya po protozoologicheskim problemam, posvyashchennaya 90-letiyu so dnya rozhdeniya professora V.L. Yakimova. 2. Stavropol'skiy sel'skokhozyaystvennyy institut (for Nikol'skiy). 3. Institut tsitologii Akademii nauk SSSR (for Kheysin). 4. Leningradskiy veterinarnyy institu (for Kolabskiy).
(Protozoology—Congresses)

KUZNETSOV, G.S., prof.

Treatment and eradication of felon in sheep. Veterinariia 38 no.10:44-48 O '61. (MIRA 16:2)

1. Leningradskiy veterinarnyy institut.
(Felon (Disease)) (Sheep—Diseases and pests)

KUZNETSOV, G.S.

Veterinary medicine abroad. Veterinariia 40 no.5:72-78 My '63.
(MIRA 17:1)

KUZNETSOV, Georgiy Sergeyevich, prof.; POLYAKOV, P.Ya., red.

[Surgical operations on cattle] Khirurgicheskie operatsii u krupnogo rogatogo skota. Leningrad, Kolos, 1964. 247 p. (MIRA 17:12)

ACC NR: AR6035078 SOURCE CODE: UR/0169/66/000/008/G015/G015

AUTHOR: Mironov, P. S.; Sisin, A. G.; Kuznetsov, G. V.

TITLE: Seismic effect of manmade explosions in quarries

SOURCE: Ref. zh. Geofizika, Abs. 8G103

REF SOURCE: Tr. V Sessii Uch. soveta po narodnokhoz. ispol'z. vzryva. Frunze, Ilim, 1965, 318-328

TOPIC TAGS: seismologic instrument, oscillograph, vibration measurement, tensometer, wave propagation/VBP vibrograph, BEGIK vibrograph

ABSTRACT: Results are presented of experimental and analytic investigations to determine the relationship of seismoeruptive wave parameters during blasting in quarries and in mines. VBP and BEGIK vibrographs, dynamic tensometers with an 800-mm base, displacement tensometric counters, and magnetoelectric oscillographs were used. Depending on the effect of the explosion on the rock mass, three zones are defined: the proximate zone (from 50 m to the area), the intermediate zone (50—500 m from the blasting area), and the distant zone (over 500 m from the

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ACC NR: AR6035078

blasting point). Oscillograms of earth displacement velocities showed that destruction begins about 50 m sec after the explosion. In the destruction zone, particles of earth move in one direction until the moment of destruction. Beyond the destruction zone, a vibration process is observed and the waves separate as the distance increases. In each zone, the relationships of the earth displacement velocities are determined when explosions are instantaneous. Various factors influencing the magnitude of the tremors during explosions are established (wave propagation conditions, size of the charge, direction of the detonation). [Translation of abstract] [GC]

SUB CODE: 08, 17/

Card 2/2

KULESHOVA, L.V.; MATYUSHKIN, Ye.N.; KUZNETSOV, G.V.

Ornithogeographical review of the Khekhtsir Range (Amur Valley).
Ornitologiia no.7:97-107 '65. (MIRA 18:10)

SREBRODOL'SKIY, B.I.; ARKHIPOVA, L.D.; KUZNETSOV, G.V.

Find of hauerite in the Rozdol native sulfur deposit.
Probl.geokhim. no.1:296-300 '59. (MIRA 13:7)
(Rozdol region--Hauerite)

MALINKOVSKIY, V.V.; KOZLOVA, Ye.D.; MORSKOY, G.I.; KUZNETSOV, G.V.; KASHAYEV, G.T.

Increasing the yield of wild rose thickets. Trudy VNIVI 8:89-93 '61. (MIRA 14:9)

1. Sel'skokhozyaystvennyy otdel Vsesoyuznogo nauchno-issledovatel'skogo vitaminnogo instituta i Shchelkovskiy i Ufinskiy vitaminnyye zavody.

(Roses)

MIRONOV, P.S., inzh.; KUZNETSOV, G.V., inzh.

Calibration methodology and vibrograph apparatus for recording blasting shocks. Izv. vys. ucheb. zav.; gor. zhur. 5 no.1: 98-103 '62. (MIRA 15:4)

1. Ural'skiy nauchno-issledovatel'skiy proyektnyy institut mednoy promyshlennosti. Rekomendovana Ural'skim nauchno-issledovatel'skim i proyektnym institutom mednoy promyshlennosti.
(Blast effect)

KUZNETSOV, G.V., inzh.; MIKULINSKIY, M.A., inzh.; MIRONOV, P.S., inzh.; SISIN, A.G., inzh.

Using the tensiometric method to determine deformations in a massif in blasting. Izv.vys.ucheb.zav.; gor.zhur. 5 no.9:57-60 '62. (MIRA 15:11)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti. Rekomendovana kafedroy otkrytykh rabot Sverdlovskogo gornogo instituta.
(Blasting) (Tensiometers)

MIKULINSKIY, M.A., gornyy inzh.; SISIN, A.G., gornyy inzh.; KUZNETSOV, G.V., gornyy inzh.; MIRONOV, P.S., gornyy inzh.

Estimating the action of blasting operations on the stability of pit sides. Gor. zhur. no.3:40-43 Mr 63. (MIRA 16:4)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti, Sverdlovsk.

KUZNETSOV, G.V.; MATYUSHKIN, Ye.N.

Snow leopard goes hunting. Priroda 51 no.12:65-67 D '62. (MIRA 15:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Talas Ala-Tau—Snow leopard)

KUZNETSOV, G.V., gornyy inzh.; SISIN, A.G., gornyy inzh.; MIRONOV, P.S., gornyy inzh.

Seismic effect of blasting in large-scale breaking of ore in the Vyseka Mountain iron mine. Gor. zhur. no.8:19-24 Ag '63. (MIRA 16:9)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti, Sverdlovsk.
(Sverdlovsk Province—Blasting)

KUZNETSOV, G.Ye.

Some results of gravity and magnetic studies in the central part of Kama Valley in the Tatar A.S.S.R. Izv. Kazan. fil. AN SSSR. Ser. geol. nauk no.10:77-81 '63. (MIRA 18:6)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928120008-1"

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928120008-1"

SALIKHOV, A.G.; ZHARKOVA, L.A.; KUZNETSOV, G.Ye.

Fast method for the determination of the elements of occurrence and the gravity effect of disturbing masses having the form of a bench. Izv. Kazan. fil. AN SSSR. Ser. geol. nauk no.10:18-26 '63.

Interpretation of the materials of detailed gravimetric surveying in Tatarstan. Ibid.:144-150

(MIRA 18:6)

KUZNETSOV, I.

Pay more attention to the saving of fuel. Rech. transp. 21 no.8: 46 Ag '62. (MIRA 18:9)

L 39971-66 EWT(d)/EWT(m)/EWP(h)/T-2/EWP(1)

ACC NR: AP6016735 (A) SOURCE CODE: UR/0084/66/000/001/0018/0019

AUTHOR: Kuznetsov, I. (Deputy chief engineer); Kargin, O. (Chief engineer) 52 B

ORG: [Kuznetsov] Moscow Administration of Special Aviation Applications and Local Airlines (Moskovskoye upravleniye aviatsii spetsial'nogo primeneniya i mestnykh vozdushnykh liniy); [Kargin] Bykovo Airline Operation-Repair Shops (Bykovskiye lineynyye ekspluatatsionno-remontnyye masterskiye)

TITLE: An-24 aircraft conquers air routes

SOURCE: Grazhdanskaya aviatsiya, no. 1, 1966, 18-19

TOPIC TAGS: civil aviation, transport aircraft, turboprop aircraft, turboprop engine / An-24 turboprop aircraft, AI turboprop engine, AV-72 ~~propeller~~ AIRCRAFT PROPELLER

ABSTRACT: A two-year experience with repair and maintenance of An-24 turboprop aircraft is briefly reviewed. The aircraft is widely used on local connection lines of Voronezh, Kursk, Bryansk, Tula, Lipetsk, Ivanov and Tambov. The organization of special training courses for studying the design, operation and repair of An-24 aircraft, AI-turboprop engine and AV-72 propeller is mentioned. A thorough overhaul after 2000 hours of flight is prescribed. All repair works are done in a workshop specially adapted to An-24 aircraft. An ultrasonic method is used for cleaning filters of fuel system. Some engineers and workers are mentioned and their work is praised. Orig. art. has: 2 photos.

SUB CODE: 01/ SUBM DATE: None

Card 1/1

KUZNETSOV, I.

Using calculating machines to mechanize the work of administrative personnel in Czechoslovakia. Biul. nauch. inform.: trud i zar. plata 5 no.6:48-51 '62. (MIRA 15:6)
(Czechoslovakia--Calculating machines)
(Czechoslovakia--Punched card systems)

KUZNETSOV, I., mekhanik

Methods of improving the separation of lubricants on motorships. Rech. transp. 21 no.5:28-29 My '62. (MIRA 15:5)
(Lubrication and lubricants)
(Marine diesel engines--Lubrication)

KUZNETSOV, I.

Take concrete conditions into account. Prom.koop. no.4:17-19 Ap '57. (MLRA 10:7)

1. Zamestitel' predsedatelya pravleniya Rospromsoveta.
(Repairing)

KUZNETSOV, I., inzh.

Developing competition and the forms of disseminating progressive practice. Sots. trud 6 no.11:105-107 N '61. (MIRA 14:11)

1. Otdel truda Novosibirskogo metallurgicheskogo zavoda imeni Kuz'mina.
(Novosibirsk--Steel industry--Technological innovations)

KUZNETSOV, I., kand. tekhn. nauk, dotsent

Helicopter-ventilator. Izobr. i rats. no.6:31-32 '63. (MIRA 16:8)

1. Sverdlovskiy gornyy institut.

KUZNETSOV, I., inzh.

Enterprises exchange information. Sots. trud 8 no.6:88-89 Je '63. (MIRA 16:9)

1. Otdel truda Novosibirskogo metallurgicheskogo zavoda im. Kuz'mina.
(Novosibirsk--Pipe mills--Technological innovations)
(Socialist competition)

KUZNETSOV, I.A.; TARASENKO, B.I.

Packing soils for winter crops. Nauka i pered.op.v sel'khoz. 7 no.7: 53-54 Jl '57. (MLRA 10:8)
(Tillage)

5 (2), 5 (3) SOV/75-14-4-5/30

AUTHORS: Gorshkov, V. I., Kuznetsov, I. A., Panchenkov, G. M.

TITLE: The Influence of Organic Solvents on the Chromatographic Separation of the Li^+-, Na^+-, and K^+-ions on Sulfone Resins

PERIODICAL: Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 4, pp 417-421 (USSR)

ABSTRACT: The authors worked out the optimum conditions of a chromatographic separation of sodium and potassium and a mixture of lithium, sodium, and potassium. They specially investigated the separation in solvent mixtures, i.e. in the concentration range of the organic solvent (60-80 %) in which the equilibrium constants of the exchange of the ions to be separated for hydrogen show the greatest differences. The investigations were carried out with the cationites espatite-1, KU-2, and SDV-3. The particles of the first two resins were 0.25-0.5 mm thick, and 0.10-0.25 mm in the case of SDV-3. Columns of various height 15 mm thick were used. The alkali elements to be separated were inserted in the form of chlorides, and eluted in the corresponding solvent mixture with a solution of hydrochloric acid. The quantitative determination of metal ions in the eluate was carried out by measuring the concentration change of the acid emanating from the column as well

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The Influence of Organic Solvents on the Chromatographic Separation of the Li^+-, Na^+-, and K^+-ions on Sulfone Resins SOV/75-14-4-5/30

as by the evaporation of the individual fractions titration of the chloride with silver nitrate against fluorescein as an indicator. Both methods gave the same results. In the cationites espatite and KU-2, the quantitative separation of sodium and potassium is possible in an aqueous medium. The separation of lithium and sodium failed, however, in the aqueous medium both in the case of espatite and SDV-3. The use of solvent mixtures as media improves considerably the separation of a mixture of lithium, sodium, and potassium on the sulfone resins under investigation. For practical applications, chromatographic separation on the resin SDV-3 proved to be best suitable. Complete separation is obtained if 80%-methanol is used as a solvent. Lithium is thereby eluted with a 0.12 N solution of hydrochloric acid in 80%-methanol, and sodium with a 0.25 N solution of hydrochloric acid in 80%-methanol. Potassium is finally eluted with a still more concentrated aqueous hydrochloric acid. The elution rate was 5.4 ml/min. The results of the separation on the various sulfone resins under different conditions are graphically shown by 6 figures. The investigations carried out are described in detail. There are 6 figures and 11 references, 5 of which are Soviet.

Card 2/3

The Influence of Organic Solvents on the Chromatographic Separation of the Li^+-, Na^+-, and K^+-ions on Sulfone Resins SOV/75-14-4-5/30

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

SUBMITTED: April 30, 1958

Card 3/3

KUZNETSOV, I.A.; KUSTOVA, L.V.; GORSHKOV, V.I.; PANCHENKOV, G.M.

Equilibrium of cation exchange of alkali metals on cation exchange resins KU-1 and KU-2. Vest.Mosk.un.Ser.2:Khim. 18 no.2:10-13 Mr-Ap '63. (MIRA 16:5)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.
(Alkali metals) (Ion exchange resins)
(Chromatographic analysis)

KUZNETSOV, I.A.; KRYAKUNOV, N.A., dotsent

Determining the closure error for plumb bobs by an experimental method. Sbor. nauch. trud. Kaz GMI no.19:71-78 '60. (MIRA 15:3)
(Triangulation)

GORSHKOV, V.I.; KUZNETSOV, I.A.; PANCHENKOV, G.M.

Continuous countercurrent ion-exchange method of separation. (MIRA 15:3)
Dokl. AN SSSR 143 no.3:643-645 Mr '62.

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom V.I.Spitsynym.
(Ion exchange)

KALAFATI, Dmitriy Dmitriyevich; SKVORTSOV, S.A., retsenzent; KAZACHKOVSKIY, O.D., retsenzent; BAGDASAROV, Yu.Ye., retsenzent; KUZNETSOV, I.A., retsenzent; KORYAKIN, Yu.I., red.; LARIONOV, G., tekhn. red.

[Thermodynamic cycles of atomic electric power plants] Termodinamicheskie tsikly atomnykh elektrostantsii. Moskva, Gosenergoizdat, 1963. 279 p. (MIRA 16:4)
(Thermodynamics) (Atomic power plants)

MIRONOV, Konstantin Vasil'yevich; KUZNETSOV, I.A., otv. red.; KOROLEVA, T.I., red.izd-va; MAKSIMOVA, V.V., tekhn. red.

[Evaluation of coal deposits from the point of view of economic geology] Geologopromyshlennaia otsenka ugol'nykh mestorozhdenii. Moskva, Gosgortekhizdat, 1963. 238 p. (MIRA 16:6)

(Coal—Geology)

KUZNETSOV, I.A.; PANCHENKOV, G.M.; GORSHKOV, V.I.

"Eine kontinuierliche Gegenstrom-Ionenaustauschmethode zur Trennung von Ionenmit annahernd ubereinstimmenden Eigenschaften"

Third Working Conference on Stable Isotopes, 28 October to 2 November 1963, Leipzig.

SKROBOV, S.A., glav. red.; TYZHNOV, A.V., zam. glav. red.; SHABAROV, N.V., zam. glav. red.; AMMOSOV, I.I., redaktor; red.; BURTSEV, D.N., red.; IVANOV, G.A., red.; KOROTKOV, G.V., red.; KOTLUKOV, V.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., redaktor; MOLCHANOV, I.I., redaktor; NEKIPELOV, V.Ye., red.; PONOMAREV, T.N., red.; POPOV, V.S., red.; PROKHOROV, S.P., red.; YAVORSKIY, V.I., red.; LAGUTINA, V.V., red. toma; LEVENSHTEYN, M.L., red. toma; SHIROKOV, A.Z., red. toma; IZRAILEVA, G.A., red.izd-va; KROTOVA, I.Ye., red. izd-va; IVANOVA, A.G., tekhn. red.

[Geology of coal and combustible shale in the U.S.S.R.]Geologiia mestorozhdenii uglia i goriuchikh slantsev SSSR. Glav. red. I.I. Ammosov i dr. Moskva, Gosgeoltekhizdat. Vol.1.[Coal basins and deposits in the south of the European part of the U.S.S.S;;Donets Basin, Dnieper Basin, Lvov-Volyn' Basin, deposits of the western provinces of Moldavia and the Ukraine, White Russia, Transcaucasia and the Northern Caucasus] Ugol'nye basseiny i mestorozhdeniia iuga Evropeiskoi chasti SSSR; Donetskii bassein, Dneprovskii bassein, L'vovsko-Volynskii bassein, mestorozhdeniia zapadnykh oblastei Ukrainy i Moldavii, Belorussii, Severnogo Kavkaza i Zakavkaz'ia. 1963. 1210 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy geologicheskiy komitet.