21754 \$/078/61/006/005/013/015 B121/B208

Polymorphous conversion of ...

khimii, 5, 2640 (1960). Ref. 5: A. T. Grigor'yev, Ye Yuy Pu, Ye. M. Sokolovskaya. Zh. neorgan. khimii, 5, 2642 (1960). Ref. 6: A. T. Grigor'yev, Ye. M. Sokolovskaya, A. T. Nefedov, M. V. Maksimova. Vesten. MGU (in the press)). There are 2 figures, 1 table, and 14 references: 8 Soviet-bloc and 6 non-Soviet-bloc. The four most recent references to English-language publications read as follows: Ref. 7. M. Hansen, K. Anderko, Constitution of binary alloys, 1958; Ref. 8. D. S. Bloom, N. J. Grant, J. Metals, 3, 1009 (1951); Ref. 9: D. S. Bloom, J. W. Putman, N. J. Grant, J. Metals, 4, no. 6 (1952); Ref. 10: C. Stern, N. J. Grant, J. Metals, 7, 127 (1955).

SUBMITTED: December 8, 1960

Card 3/4

21,729

| 18 9200 | S/078/61/206/014 | 18 1230 | B107/B267

AUTHORS: Grigor'yev, A. T., Yeh Yü-p'u, Sokolovskaya, Ye. !!.

TITLE: Study of the solid-state transitions in the part of the

system chromium - cobalt which is rich in cobal.

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 7, 1961,

1616-1621

TEXT: The system chromium - cobalt was studied in the part containing up to 50,0 cobalt; the part of the system which is rich in chromium was already previously investigated and the results were published (Ref. 3: A. T. Grigor'yev, Yeh Yü-p'u, Ye. M. Sokolovskeya. Zh.neorgan.khimii., v. 5, no. 11, (1960)). This study supersedes and corrects a previous paper (Ref. 2: A. T. Grigor'yev, N. M. Gruzdeva. Izv. Sektora fiz.-khim. analiza, 24, 124 (1954)). The specimens were produced by melting together the pure elements at 900°C; subsequently, temperature was reduced to 400°C in the course of over two months, cooling to room temperature was carried out in the furnace. The following studies were carried out on the specimens: differential thermal analysis, studies of

Card 1/4

\$/078/61/906/907/906/914 B107/B207

Study of the solid-state transitions ...

microstructure, hardness, resistivity and its temperature coefficient. The Table lists the results of measurement. As shown on Fig. 2, the region investigated contains three hitherto unknown intermetallic compounds: Co₃Cr (a₁-phase), Co₂Cr (a₂-phase), and Co₃Cr₂ (a₃-phase). They are due to phenomena of arrangement in the mixed crystals at 620°C (Co₃Cr), 640°C (Co₂Cr), and 625°C (Co₃Cr₂). Three eutectoids of approximately 28 at/3 Cr (605°C), 35 at/3 Cr (615°C) and 42 at/3 Cr (610°C) are found between the intermetallic compounds. There are 7 figures, 1 table, and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc. The reference to English-language publication reads as follows: M. Hansen, K. Anderko. Constitution of Binary Alloys, 1958.

SUBMITTED: July 1, 1960

Card 2/4

18.7500

25509

S/078/61/006/008/008/018 B121/B203

AUTHORS:

Grigor'yev, A. T., and Kuprina, V. V.

TITLE:

Transformation "order - disorder" in alloys of iron with

cobalt and palladium

PERIODICAL:

Zhurnal neorganicheskoy khimii, v. 6, no. 8, 1961, 1891-1901

TEXT: Phase transformations in alloys of iron with cobalt and palladium at temperatures below 1000°C were studied by physicochemical methods (differential-thermal analysis, hardness determination, microstructure, electrical resistivity, and its temperature coefficient). The differential-thermal analysis was conducted with a TK-52 (PK-52) Kurnakov pyrometer. The alloys were studied on their sections Pd3Fe-Co; Pd5Fe-FeCo; PdFe-Co; PdFe-FeCo;

FeCo-Pd. The mixture d + 7 appeared in the polymorphous transformation of . A large area of the section Pd Fe-Co is covered by the solid g-solution. The hardness of ordered alloys of this section is greater than that of disordered alloys, which confirms the heterogeneous character of these alloys. In the section Pd, Fe-FeCO, the ternary solid solution is

Card 1/3

S/078/61/006/008/008/018 B121/B203

Transformation "order ...

transformed as follows: (1) Polymorphous & transformation in alloys with 52 at% palladium, (2) transformation of the solid &-solution into ordered & phase, and (3) decomposition of solid y-solution with subsequent formation of a y - phase. Alloys richer in palladium decompose while forming the ordered phase y . The hardness of alloys changes with changing hardening temperature. In the section PdFe-CO, wide areas of ternary solid y-solutions form only at higher temperatures. With a decrease in temperature in alloys containing up to 80 at% Co, a polymorphous & transformation proceeds while forming two ordered phases, & and y . The chemical compound PdFe comprises a wide range in the ternary system. Between 1 and 50 at% of Pd, the chemical compound PdFe forms in the two-phase range & + y, and the phases & + y and & + y + y form by reaction of these phases. In alloys containing more than 50 at% of Pd, the ordering process is accompanied by the formation of a broad heterogeneous (y + y -)-phase. Two stable phases, (A + A -) and y + y - , appear on the section PdFe-FeCo.

Card 2/3

25509

S/078/61/006/008/008/018 B121/B203

The phase diagram for the systems iron - palladium and iron - cobalt and the projection of the phase boundaries at room temperature in the three-component system were plotted on the basis of the present study and the papers Ref. 1(V. V. Kuprina, A. T. Grigor'yev. Zh. neorgan. khimii, 4, 1606, (1959)) and Ref. 14 (V. V. Kuprina, A. T. Grigor'yev, Zh. neorgan. khimii 3, 2736, (1958)). Fig. 5 shows this diagram. There are 5 figures, 2 tables, and 14 references: 4 Soviet-bloc and 10 non-Soviet-bloc.

SUBMITTED: July 1, 1960

Transformation "order ...

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Card 3/3

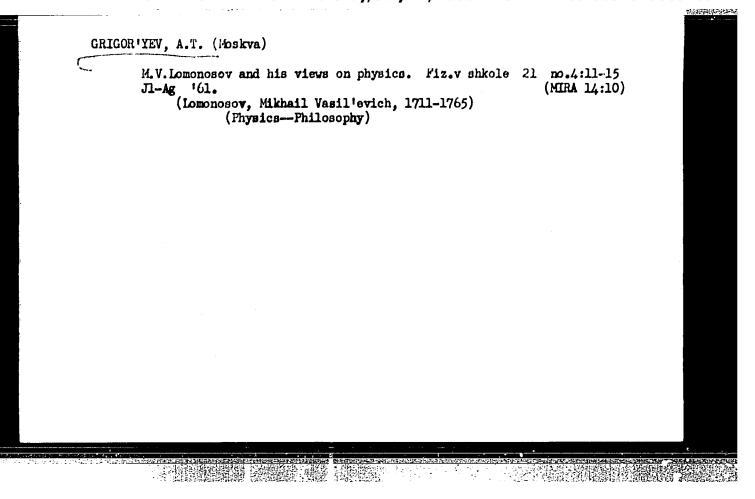
"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

GRIGOR'YEV, A.T.; SOKOLOVSKAYA, Ye.M.

Transformation in the solid state occurring in chromium and alloys based on it, Vest.Mosk.Un.Ser.2: khim. 16 no.6:3-15 N-D '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet. Kafedra obshohey khimii. (Chromium) (Chromium alloys)



GRIGOR'YEV, A.T.; KUPRINA, V.V.

Study of chromium-molybdenum-nickel alloys in the region of a solid solution on a chromium base. Zhur.neorg.khim. 7 no.4:
(MIRA 15:4)

(Chromium-molybdenum-nickel alloys)

(Chromium-molybdenum-nickel alloys)

181152

S/078/62/007/002/018/019 B127/B110

AUTHORS:

Grigor'yev, A. T., Sokolovskaya, Ye. M., Bogatyrev, I. L

TITLE:

Physicochemical study of phase transformations in Co-Mn alloys

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 2, 1962, 441-444

TEXT: Transformations of Co - Mn alloys in solid state were studied by the thermal differential analysis of hardness (η_{K-52} (PK-52) pyrometer), measurement of the electrical resistance and its temperature coefficient, tests of microstructure and microhardness. At 30 atom% Mn, a transformation in the melt caused by a ε - α -transition of Co, was observed, with Mn lowering the temperature of transformation. A two-phase region, α + β , β + γ due to Mn polymorphy, was found in the part rich in Mn. Another transformation was found in the center part of the diagram caused by formation of CoMn occurring in two polymorphous modifications: γ_1 at low temperatures up to 515°C and γ_2 at high temperatures up to 805°C. Hardness tests showed a minimum at 50 atom% which corresponds to CoMn. Minima occurring at 25 and 75 atom% Mn indicate the possibility of Co₃Mn and Card 1/17

\$/078/62/007/002/018/019 B127/B110

Physicochemical study of phase ...

This, however, requires further studies - F. Galtperin CoMn₃ formations is mentioned. There are 4 figures, 1 table, and 4 references: 5 Soviet The reference to the English-language publication reads and 1 non-Soviet as follows: M. Hansen, K. Anderko, Constitution of binary alloys, 1958

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonesova, Kafedra obshchey khimii (Moscow State University imeni M. V.

Lomonosov, Department of Ceneral Chemistry)

July 11, 1961 SUBMITTED:

Fig. 2. Phase diagram Mn - Co (A. T. Grigor'ev et al.) (1) Thermal analysis; (2) electrical resistance; (3) one phase; (4) two phases.

Fig. 4. Hardness of tempered Co - Mn alloys. Abscissa: atom/ Mn.

Card 2/1 🕏

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S/078/62/007/004/016/016 B107/B110

AUTHORS: Grigor'yev, A. T., Kuprina, V. V.

TITLE: Study of the alloys of chromium with molybdenum and nickel in the field of mixed crystal on chromium basis

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 4, 1962, 942 - 945

TEXT: One part of a section through the system Cr - No - Ni, starting from the chromium corner down to 60% of Cr, ratio Ni:No = 1:3, temperature range 1200 - 1900°C was studied. Electrolytic chromium (99.98%), electrolytic nickel (99.98%), and molybdenum (99.95%) were used as initial materials. The specimens were heated in an arc furnace in argon atmosphere and also quenched in argon atmosphere. Examination of the microstructure of the samples yielded the following results (Fig. 1): four solid phases corresponding to the various chromium modifications were observed. Two-phase regions take their origin from the transition points of chromium (950°, 1350°, 1650°, 1830°C). There are 2 figures, 1 table, and 4 Soviet references.

SUBMITTED: October 2, 1961

Card 1/2

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

in the second section of the section of the

S/078/62/007/005/009/014 B101/B110

AUTHORS:

Grigor'yev, A. T., Sokolovskaya, Ye. M., Pyatigorskaya, L.I.,

Maksimova, M. V.

TITLE:

Solid-state conversions in alloys of the system

chromium-iron

National Exclanation of

PERIODICAL:

Zhurnal neorganicheskoy khimii, v. 7, no. 5, 1962, 105-1109

TEXT: 60 alloys of electrolytic chromium and iron (up to 80 at 5 Fe) were investigated by plotting the differential heating curves, contact-free thermal high-temperature analysis, determining hardness and microhardness after 1000 hr tempering and subsequent hardening (1800-400°C in oil, 1300-300°C in H₂0). The phase diagram Cr-Fe was plotted on the basis of these data (Fig. 3). The existence of the five chromium modifications there was confirmed. There are 4 figures and 2 tables. The most comportant English-language references are: F. 0. Williams, H. W. Paxton, important English-language references are: F. 0. Williams, Trans. J. British Iron and Steel, Inst., 185, 358 (1958); P. 0. Williams, Trans. Letallurg. Soc., ASME, 212, 497 (1958).

Card 1/3

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S/078/62/007/005/009/014 B101/B110

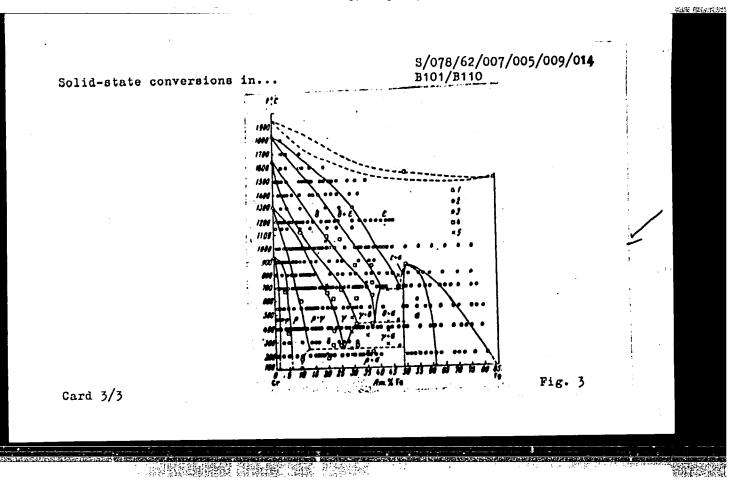
Solid-state conversions in...

SUBMITTED: June 23, 1961

Fig. 3. Phase diagram of the system chromium-iron on the basis of the authors' results. (1) Polymorphous conversions; (2) thermal analysis; (3) electrical resistance; (4) one phase; (5) two phases.

Legend: Am. % Fe = at% Fe.

Card 2/3



37170 s/078/62/007/005/010/014 B101/B110

18.1280 AUTHORS:

Grigor'yev, A. T., Panteleymonov, L. A., Kuprina, V. V., Goldobina, G. V.

TITLE:

Investigation of alloys of the system palladium-gold-nickel

PERIODICAL:

Zhurnal neorganicheskoy khimii, v. 7, no. 5, 1962, 1110-1116

TEXT: The system Pd-Au-Ni was studied on 77 alloys with palladium concentrations between 10 and 90 % rising by 10 % each. Thermal analysis of the liquid state, differential analysis of the tempered alloys (500 hr in vacuo at 900°C), investigation of the microstructure, and determination of the Brinell hardness, of the resistivity at 25 and 100°C, and of its temperature coefficients were carried out. Results: (1) At constant Pd content, the liquidus and solidus curves suggest the existence of a continuous series of solid solutions. The melting-point curves show a flat minimum in the range of medium concentrations. (2) At a Pd content below 20 %, the ternary solid solution decomposes, and a mechanical mixture forms within a wide range, which consists of solid solution on the basis of Gold and solid solution on the basis of nickel. (3) Hardness and Card 1/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

Investigation of alloys of...

S/078/62/007/005/010/014 B101/B110

resistivity increase in the range of the mechanical mixture almost linearly with the concentration of Au, show a break at the phase boundary, and - in the range of the ternary solid solution - maxima at medium Au concentrations. (4) The curves for the temperature coefficient of the resistivity are countercurrent to those for hardness and resistivity. There are 6 figures and 2 tables.

SUBMITTED:

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June 27, 1961

Card 2/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

CRIGOR: YEV, A.T., SOKOLOVSKAYA, Ye.M.; BOGATYREV, I.L.

Physicochemical study of phase transformations in alloys of cobalt with mange uses. Zhur.neorg.khim. 7 no.2:441-444 f 162.

(MIRA 15:3)

1. Mostovskiy gosudarstvennyy universitet imeni Lomonosova, kaledra obshchey khimii.

(Cobalt manganese alloys) (Phase rule and equilibrium)

GRIGOR'YEV, A.T.; SOKOLOVSKAYA, Ye.M.; PYATIGORSKAYA, L.I.; MAXSIMOVA, M.V.

Solid-state conversions in alloys of the chromium - iron system.
Zhur.meorg.khim. 7 no.5:1105-1109 My '62. (MIRA 15:7)
(Chromium-iron alloys)

GRIGOR!YEV, A.T.; PANTELEYMONOV, L.A.; KUPRINA, V.V.; GOLDOBINA, G.V.;
RUDNITSKIY, M.A.

Alloys of the system palladium - gold - nickel. Zhur.neorg.khim.
7 no.5:1110-1116 My '62. (MIRA 15:7)
(Palladium-gold-nickel alloys)

s/078/62/007/011/005/005 B101/B186

AUTHORS:

Sokolovskaya, Ye. E., Grigor'yev, A. T., Smirnova, Ye. M.

TITLE:

Solid-state conversions in alloys of the copper-manganese

system which are rich in manganese

了。 1995年 1995

PERIODICAL:

Zhurnal neorganicheskoy khimii, v. 7, no. 11, 1962, 2636-2638

TEXT: Copper-manganese alloys containing 0.5-31 atom% Mn were investigated by thermal analysis. Their hardness was determined, their microstructure was examined after 690 hr annealing in an argon atmosphere and after quenching from 350, 450, 700 or 800°C in a mixture of acetone with dry ice, their electrical resistances were measured at high temperature and they were subjected to x-ray analysis. The heating curves show thermal effects which indicate ordering of the solid y-solution at 16.3 atom% Mn (CugMn) and 400°C, also at 25 atomy, Mn (CuzMn) and 450°C. The hardness curves are smooth for quenching temperatures of 800-700°C but irregular for 400-350°C, with minima corresponding to Cu Mn and Cu Mn. The formation of these compounds in the solid phase was manifest also in the curves of electrical Card 1/2

Solid-state conversions in alloys...

S/078/62/007/011/005/005 B101/B186

resistance and of its temperature coefficient. X-ray patterns for alloys of Cu_5Mn or Cu_3Mn type composition showed no superstructure lines. There are 4 figures.

SUBMITTED: April 25, 1962

Card 2/2

S/659/62/008/000/005/028 I048/I248

AUTHORS:

Grigor yev, A.T., Sokolovskaya, Ye.M., Sokolova, I.G.,

and maksimova, M.V.

TITLE:

Polymorphous transformations in chromium, and structure

of the chromium-based solid solution in the system

chromium-iron-molybdenum

SOURCE:

Akademiya nauk SSSR. Institut metallurgii, Issledovaniya

po zhatoprochnym splavam. v.8. 1962. 42-46

TEXT: An isoplet through the Cr-Mo-Fe system radiating from the Cr corner and representing a fixed 3:1 (st:wt) Fe:Mo ratio was constructed on the basis of microstructural and x-ray analysis data for 33 different alloys. The total Fe+Mo content of the alloys studied did not exceed 45%; the alloy specimens were prepared in a W-arc furnace in argon atmosphere using Ti as the getter, and tempered at 1400-1700°C before the tests. The solidus temperatures were 1750, 1715, 1640, 1620, and 1620°C for the alloys containing 96, 86, 76, 62, and 58% Cr respectively. Three homogenous regions

Card 1/2

S/659/62/008/000/005/028 1048/1248

Polymorphous transformations...

representing solid solutions based on the ℓ , δ , and γ modifications of Cr were found to exist, together with the $\ell+\delta$ and $\gamma+\ell$ two-phase regions; the ℓ + δ region is associated with the ℓ - ℓ -transformation at 1830°C, while the $\gamma+\ell$ -is associated with the region beneath the solidus curve, while the γ -phase occupies the region beneath the solidus curve, while the γ -phase occupies the Cr-rich corner at temperatures below 1600°. An x-ray analysis of the 90% Cr alloy quenched from 1500°C showed that the ℓ -modification possesses a b.c.c. lattice with a=2.878 kX. There are 4 figures and 1 table.

Card 2/2

Solid state transformations in alloys of the system copper-manganese rich in copper. Zhur.heorg.khim. 7 no.11:2636-2638 N '62. (MIRA 15:12) (Copper-manganese alloys)

S/078/62/007/012/021/022 B144/B180

AUTHORS:

Sokolovskaya, Ye. M., Grigor'yev, A. T., Altunin, Yu. F.

TITLE:

Solid-state transitions in iron - manganese alloys

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 12, 1962, 2809-2811

TEXT: The Fe - Mn system was investigated to discover whether there is formation of intermetallic compounds as observed in the Fe - Co and Fe - Ni systems. The studies included differential thermal and x-ray analyses, determinations of hardness, microhardness, microstructure, resistivity and its temperature coefficient, and temperature dependence. In the region of 25 - 55 at% Mn the differential curves showed two breaks at 700 - 800°C and at 150 - 250°C. These have not hitherto been described and are due to solid-state transitions. This was also evident from two maxima in the region of the solid /-solution, indicating the formation of the intermetallic compounds FeMn and Fe₂Mn. The occurrence of FeMn with an Mn content of ~50 at% was confirmed by the hardness and resistivity, measurements etc. The exact nature of the low-temperature transition at Card 1/2

Solid-state transitions in iron - ... S/078/62/007/012/021/022

Mn remains to be elucidated. It is possible that Fe₂Mn forms as well as FeMn. There are 5 figures.

SUBMITTED: April 26, 1962

Card 2/2

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

S/078/63/008/001/013/026 B101/B186

AUTHORS: Grigor'yev, A. T., Pozharskaya, G. V.

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TITLE: Investigation of alloys of the system palladium-iron-copper

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 8, no. 1, 1963, 141-145

TEXT: Polythermal cross sections through the system Pd - Fe - Cu with palladium content of 10-80 at-% and the radial section Pd - Cu : Fe = 1:1 were investigated. It was found that the ranges of ternary solid y solution of Cu and Pd in Fe, and solid ϵ solution of Fe and Pd in Cu, become progressively wider with increasing Pd concentration at solidus as well as at room temperature, combining respectively at 33 or 38 at-%. Owing to the change in the solubilities of Cu and Fe in Pd, the range of ternary solid solutions becomes progressively narrower with decreasing temperature. Above 40 at-% Pd, continuous solid solutions are formed. For alloys with Pd \leq 30 at-%, the crystallization ranges of the solid y and ϵ solution as well as the three-phase range liq + y + ϵ were determined. The thermographic effect at 735°C corresponds to the eutectoidal decomposition of the alloy and the appearance of the α + y and ϵ + α + y phase. The effect at Card 1/2

S/078/63/008/001/013/026 B101/B186

Investigation of alloys of the...

 665°C corresponds to the magnetic conversion. Furthermore, a thermal effect was found at 1070°C , the cause of which is assumed to be the formation of the chemical compound Pd_{2}FeCu , which exists in two modifications whereby the

conversion $\sigma_2 \leftrightarrow \sigma_1$ at 650°C shows itself also as a thermal effect.

Microscopic investigation of the alloys confirmed the thermographic results. There are 4 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: June 6, 1962

Card 2/2

GRIGOR'YEV, A.T.; KUIRINA, V.V.

Alloys of chromium with ion and cabalt. Zhur. neorg. khim. 8
no.10:2351-2354 0 '63.

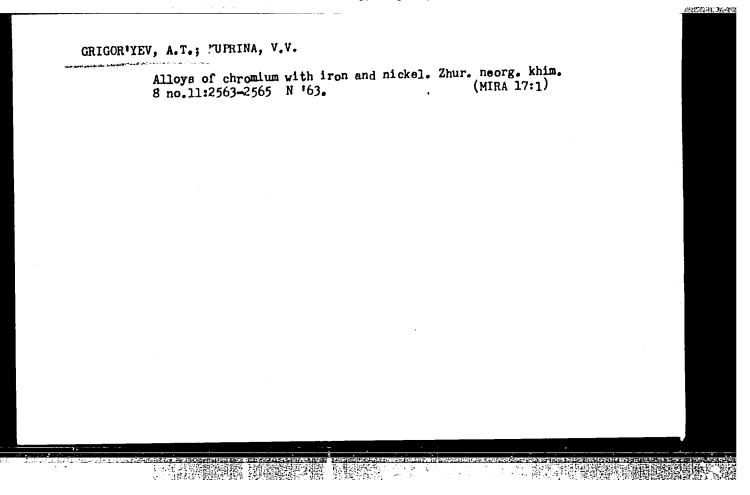
(Chromium from the chalt, Alloys)

GRIGOR'YEV, A.T.; KUPRINA, V.V.; BERNARD, V.B.

m.

Chromium-iron-cobalt alloy in the region of a chromium-based solid solution. Vest. Mosk. un. Ser. 2: Khim. 18 no.5:41-43 S-0 63. (MIRA 16:11)

1. Kafedra obshchey khimii Moskovskogo universiteta.



GRIGOR'YEV, A.T.; POZHARSKAYA, G.V.

Properties of palladium-iron-copper alloys. Zhur. Leorg. khim. 2 no.12:2694-2699 D '63. (MIRA 17:9)

1. Moskovskiy gosudarstvennyy universitet imeni Lomenosova.

EWT(m)/EPF(n)-2/T/EWP(t)/EWP(b) L 24484-65 Pu-4 JD/JG ASD(f)-2/ASD(a)-5/ASD(m)-3/AFETR/ RAEM(c) s/0078/64/009/004/0883/0889 ACCESSION NR: AP4029188 AUTHOR: Nefedov, A. P.; Sokolovskaya, Ye. M.; Grigor'yev, A. T.; Sokolova, I.G.; Nedumov, N. A. TITIE: Solid-state phase transformations in vanadium tantalum alloys B SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 4, 1964, 883-889 TOPIC TAGS: vanadium tantalum system, system phase diagram, vanadium tantalum alloy, solid solution, crystal structure, alloy property, alloy phase, vanadium, vanadium base alloy, vanadium containing alloy, tantalum, tantalum base alloy, tantalum containing alloy ABSTRACT: The V-Ta system was studied in view of incomplete' and contradictory state of the literature. Some 39 alloys containing 0-100% tantalum were subjected to microscopic, thermal and x-ray diffraction analyses, and determinations of hardness, microhardness, specific electric resistance and of the temperature coefficient of electric resistance were made. The phase diagrem (Fig. 1) shows that it temperatures above 15000 the alloys of the V-Ta system form a

L 24434-65

ACCESSION NR: AP4029188

continuous series of solid solutions. At 1300 ± 100 V₂Ta intermetallic compound is formed; at 9000 its area of homogeneity extends from 32-39 at Ta. At 9000 the two-phase area (alpha + V₂Ta, V₂Ta + beta) extends from 9-52 at; at 12500 this area is reduced to 15-45 at Ta. The curves of the composition dependence of hardness and specific electric resistance and its temperature coefficient show a smooth change within the regions of solid solutions and breaks at 34 at. Ta corresponding to the region of V₂Ta. X-rey diffraction patterns show the alloy with 34 at. Ta to consist of one crystalline phase having a tetragonal lattice, with parameters a = 5.041 A, c = 6.702, and z = 4.0 orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 18Jul63

ENCL: O1

SUB CODE: NH, SS

NO REF SOV: 004

OTHER: 006

2/3 Card

GRIGOR*YEV, A.T.; KUPRINA, V.V.; BERNARD, V.B.

Chromium alloys with iron and cobalt in the region of chromium based solid solution. Vest. Mosk. un. Ser. 2 Khim. 19 no.2: 37-40 Mr-Ap'64 (MIRA 17:6)

1. Kafedra obshchey khimii Moskovskogo universiteta.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

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L 58702-65 EWT(m)/EWP(w)/EPF(n)-2/EWA(d)/T/EWP(t)/EWP(b)/EWA(c)IJP(c) JD/JC UR/0363/65/001/005/0715/0720 ACCESSION NR: AP5016587 546.881 + 546.883 + 546.882 + 546.881 + 546.883 + 546.77.541.123.3 AUTHOR: Nefedov, A. P.; Sokolovskaya, Ye. M.; Grigor'yev, A. T.; Sikolova, I. G. TITLE: Phase diagram of the ternary systems V - Ta - Nb and V - Ta - Mo SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 5, 1965, 715-520 TOPIC TAGS: tantalum alloy, vanadium alloy, niobium alloy, molybdenum alloy, tantalum compound, vanadium compound, phase diagram ABSTRACT: This study was carried out by means of microscopic analysis, high-temperature noncontact thermal analysis, hardness and microhardness measurements, x-ray analysis, and determination of the temperatures of the start of fusion. In each ternary system, alloys were prepared in two sections: in a section with a constant content of 10 at. % Nb (or Mo) and in a radial section with a constant ratio (at. %) V:Ta = 2:1. A total of 68 alloys was prepared by fusion in an arc furnace in argon. Data obtained for the alloys in the cast, homogenized, and quenched state were used to plot phase diagrams for the two ternary systems. The components were found to form a continuous series of solid solutions which, as the temperature was lowered toward compositions adjoining the 1/2

L 58702-65

ACCESSION NR: AP5016587

binary system V - Ta, underwent transormations due to the formation of an ordered phase based on the binary compound TaV2. X-ray analysis showed that in the V - Ta - Nb system the crystal lattice and cell constants of the ternary ordered phase are the same as those of the binary Laves phase TaV2: a = 5.058 A, c = 1.631, z = 4. In the V - Ta - Mo system, the ordered phase, while retaining the crystal structure of TaV2, has slightly larger c and a constants. Thus, for the alloy with the radial section at 5 at. 7 Mo, a = 5.090 A, c = 8.322-A, c/a = 1.635. Ori , art. has: 7 figures.

ASSOCIATION: Khimicheskiy fakul'tet, Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Chemistry Department, Moscow State University)

SUBMITTED: 28Jan65

ENCL: 00

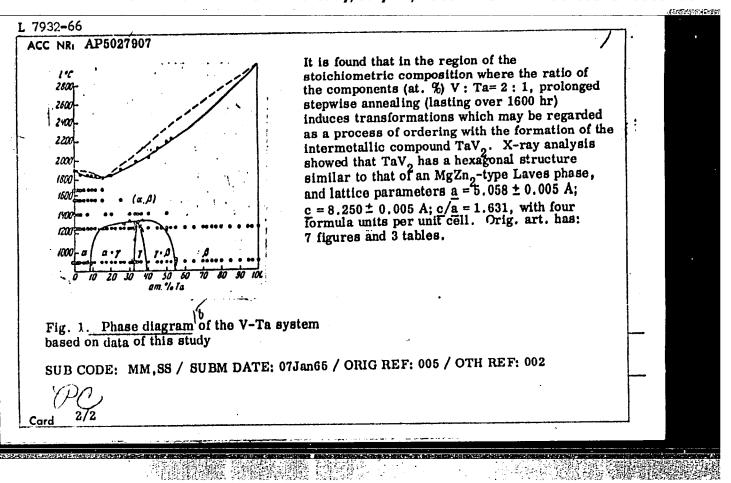
SUB CODE: IC, MM

NO REF SOV: 003

OTHER: 002

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うつうし	SE ENTIN)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG	3,7970
CC N	The second of the second of the second of the	907 SOURCE CODE: UR/0189/65/000/005/0042/0047	
Sok	THOR: Nefe	edov, A. P.; Sokolovakaya, Ye. M.; Grigor'yev, A. T.; Chechernikov, V. I. G.; Guzey, L. S. 74.55	i
	************	State University (Moskovskiy gosudarstvennyy universitet) 53	
		state phase transformations in vanadium-tantalum alloys /6 cow, Universitet. Vestnik. Seriya II. Khimiya, no. 5, 1965, 42-47	
тоі		phase transition, vanadium alloy, tantalum alloy, vanadium compound,	
phase suse tem obta mic	se of TaV ₂ aceptibility was peratures of ained on the erostructure	The paper is devoted to the determination of the nature of the intermediate and boundaries of its existence in V-Ta system. The magnetic was measured as a function of composition and temperature. The of the start of fusion (solidus temperatures) were determined. Data were differential thermal analysis of alloys of the V-Ta system, and on the a, hardness, and crystal structure. The results were used to plot a phase system (see Fig. 1).	
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ard	1/2	UDC: 536.7	



CIA-RDP86-00513R00051681

NEFEDOV. A.P.; SOKOLOVSKAYA, Ye.M.; GRIGOR'YEV. A.T.: SOKOLOVA, I.G.

Phase diagrams of the ternary systems V - Ta - Nb and V -Ta - Mo.
Izv. AN SSSR. Neorg. mat. 1 no.5:715-720 My '65. (MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonesova, khimicheskiy fakul'tet.

GRIGOR YEV, A.T.; SOKOLOVSKAYA, Ye.M.; NEFEDOV, A.P.; SOKOLOVA, I.G.

Effect of molybdemum on transformations in the solid state in alloys of the W - Ta system. Vest. Mosk. un. Ser. 2:Khim. 20 no.4:44-49 Jl-Ag *65. (MIRA 18:10)

1. Kafedra obshchey khimii Moskovskogo gosudarstvennogo universiteta.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

NEFEDOV, A.P.; SOKOLOVSKAYA, Ye.M.; GRIGOR'YEV, A.T.; CHECHERNIKOV, V.I.; SOKOLOVA, I.G.; GUZEY, L.S.

Phase transitions in the solid state in alloys of vanadium with tantalum. Vest. Mosk. un. Ser. 2:Khim. 20 no. 5:42-47 S-0 *65. (MIRA 18:12)

1. Kafedra obshchey khimii Moskovskogo gosudarstvennogo universiteta. Submitted Jan. 7, 1965.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

	F(t)/ETI IJP(c) JD/JG
ACC NR: AP6019776	SOURCE CODE: UR/0370/66/000,'003/0183/0192
DRG: none	T (Manager) & Calculated
OURCE: AN SSSR. IEVes	tiya. Metally, no. 3, 1966, 183-192
ABSTRACT: In this paper attempted to determine the standard in the region of the system, in the region of the system, in the region of the system of the system of the system of the system of the basis of radial section with a system.	ioy, tantalum alloy, niobium containing alloy, alloy place, which continues their study of the V-Ta system, the authors he nature of the influence of niobium (which, like vanadium ent of group V) on solid state transformations in alloys of on of the metallic compound TaV ₂ . Both annealed (ordered) 1150, 1250, and 1400°C) alloys were investigated by physicoroscopic and high-temperature contactless thermal analyses, as measurements, determination of temperatures of starting the data obtained, phase diagrams of the V-Ta-Nb system in constant ratio (at. %) V:Ta = 2:1 and in two polythermal
ections (with 10 and 5 a egions was established i and 1/2	it. % Nb) were plotted, and the distribution of the phase in the ternary system at various temperatures. According to

re-ray data, the crystal structure and lattice constants of the ternary ordered phase o not differ from those of the metallic compound TaV2. Authors express their appresiation to L. S. Guzey for assistance in carrying out the thermal analysis. Orig. rt. has: 5 figures and 3 tables.										
				ORIG REF:	005/	OTH REF:	003			
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								_		
								-		

GRIGOR'YEV, A.V.; KOZLOV, V.M.; FLORINSKIY, I.B.; SHEVCHINKO, N.S.

Automatic control of the uniformity of the heating of the coke cake. Koks i khim. no.12:14-19 '63. (MIRA 17:1)

1. Magnitogorskiy metallurgicheskiy kombinat.

DECONO

GRIGOR'YEV, A.V. [deceased]

Development of capillaries in post-traumatic regeneration of skeletal muscle tissue in mammals. Biul. eksp. biol. i med. 56 no.8:89-93 Ag '63. (MIRA 17:7)

l. Is kafedry obshchey biologii (sav. - prof. G.M. Litver) I Leningradskogo meditsinskogo instituta imeni I.P. Pavlova. Predstavlena deystvitel'nym chlenom AMN SSSR A.V. Lebedinskim.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

ORIGOR YEV. A.V.; ZALUTSKAYA, T.L.; PECHEREY, L.Ye.; SMIRNOV, A.I.

Errors of coaxial calorimeter-type power measuring device due to unequivalent heat losses. Trudy inst. Kom. stand., mer i izm. prib. no.53:10-20 *61. (MIRA 15:2)

l. Vsesoyuznyy nauchno-issledovatel skiy institut metrologii
im. D.I.Mendeleyeva.

(Microwaves) (Electric measurements)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

```
GRIGOR'YEV. A.V. (Orenburg, Sovetskaya ul., d.2); AKOPYAN, T.A. (Orenburg, Nizhegorodskaya, d.8, kv. 3)

Comparative study of the results of radium and adiocobalt therapy in cancer of the lower lip. Vop.onk. 5 no.3:373-375 '59. (MIRA 12:12)

1. Iz kafedry rentgenologii i radiologii Orenburgskogo meditsinskogo instituta (sav. - doktor med.nuk A.V. Grigor'yeva) i Orenburgskogo oblastnogo onkologicheskogo dispansera (glavn. vrach - B.A. Soloveychik). (LIPS, neoplasms, ther., radiocobalt & radium, comparison (Bns))

(COBAIM, radioactive, ther. of cancer of lip. comparison with radium (Bns))

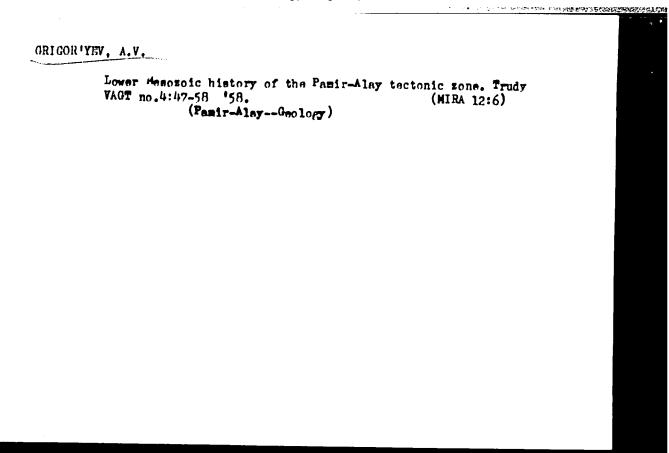
(RADIUM, ther. use, cancer of lip, comparison with radiocobalt (Rns))
```

KEIDYSH, M.V., akr bmik; FFDOROV, Ye.k., Ekademik; ARTSIMOVICH, L.A., akademik;
SISAEYAH, Ar., akademik; GORSEIY, I.1.; FAFIICA, P.L.; FOK, V.A.;
IANDAU, L.D.; LIFSHITS, Ye.M.; SHAL'HILOV, A.I.; FEALATHILOV, I.M.;
AIELSTYEVER Y, N.Ye.; VAYNSHTEYH, L.A.; FALLADIN, A.V., akademik;
SATPAYEV, F.I., akademik; AMBARTSUNYAH, V.A., akademik; EUPREVICH,
V.F.; MUSH ELISHVILI, N.I., akademik; FARAFEYEV, E.K.; MUSTEL', E.R.;
MASEVICH, G.G., doktor fiz.-matem.nauk; FFRON, k.M.; HARTYNOV, D.Ya.,
prof.; GAIDOR'YEV, A.A., akademik; MARKOV, K.K., prof.; COLOVKOVA,
A.G., prof.; FILATOVA, L.G., prof.; FEYVE, Ya.V.; SEMIKHATOV, B.N.,
prof.; TILOV, A.G.; RYCHAGOV, G.I.; BARSLAYA, V.F.; VLASOVA, A.A.;
BARAHOVA, Ye.P.; KIBARDIHA, L.A.; ISACHENKO, A.F.; IL'INA, Yu.P.;
DANILOV, A.I., prof.; FIAUDE, K.K.; NECHAYEVA, T.N., prof.; CHEPEK,
L., doktor; SZANTO, Ladislav, akademik; BELACHIK, Yozef; FAN KLOK
V'YEN; M/GEHSON, M.S., prof. (L'vov); STARKOV, N.; AERAMOVICH, Yu.;
VOSKRESMISKIY, V.; KROPACHEV, A.; REZVOY, D., prof., (L'vov);
FONDRAF'YEV, V.N., akademik; LEEEDINSKIY, V.I., kand.geol.-mineral-nauk; YANSHIN, A.L., akademik

"Priroda" is 50 years old. Priroda 51 no.1:3-16 Ja *62.
(MIRA 15:1)

1. Prezident AN SSSR (for Keldysh). 2. Glavnyy uchenyy sekretar' Prezidiuma AN SSSR (for Fedorov). 3. Akademik-sekretar' Otdeleniya fiziko-matem.nauk AN SSSR (for Artsimovich). 4. Akademik-sekretar' Otdeleniya biologicheskikh nauk AN SSSR (for Sisakyan). 5. Chlenkorrespondent AN SSSR, zamestitel' akademika-sekretarya Otdeleniya (Continued on next card)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810



APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

BELYAYEVSKIY, N.A.; GRIGOR'YFV, A.V.: IVANOV, Yu.A.

Problems of and trends in geological rapping in the M.S.S.R..
Sov.geol. 2 no.12:3-11 D '59. (MIRA 13:5)

1. Ministerstva geologii i okhrany nedr SSSR.

(Geology--Maps)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

GRIGOR'YEV, A.V.

Results of the session on the coordination in minerallogical (metallogenetic) research. Sov. geol. 3 no.6:147-148 Je '60. (MIRA 13:11)

1. Ministerstva geologii i okhrany nedr SSSR. (Mineralogy)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

VERESHCHAGIN, V.N.; IVANOV, Yu.A.; HELYAYEVSKIY, N.A., glav. red.;

ALEYNER, A.Z., red.; GRIGOR YEV, A.Y., red.; ZAYTSEV, I.K.,

red.; KLIMOV, P.I., red.; KRASNOV, I.I., red.; LANKIN, A.A.,

red.; MUZYLEV, S.A., red.; OCNEV, V.N., red.; TROSTNIKOVA,

N.Ya., red. izd-va; IYERUSALIMSKAYA, Ye.S., tekhn. red.

[Instruction for compiling and preparing for publication a geological map at a scale of 1:50,000; supplement to the instruction for organizing and conducting geological surveys at a scale of 1:50,000 and 1:25,000] Instruktsiia po sostavleniiu i podgotovke k izdaniiu geologicheskoi karty masshtaba 1:50 000; dopolnenie k instruktsii po organizatsii i proizvodstvu geologos memochnykh rabot masshtaba 1:50 000 i 1:25 000. Moskva, Gosgeoltekhizdat, 1962. 41 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. (Geology-Maps)

BELYAYEVSKIY, N.A.; GRIGOR'YEV, A.V.; FEDYUK, V.I.

Regional studies of the subsurface geology of closed and partly closed territories. Sov.geol. 5 no.3:23-39 hr 162.

(MIRA 15:4)

1. Ministerstvo geologii i okhrany nedr SSSR. (Geology, Structural) (Prospecting)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

GRIGOR'YEV, A.V. [Hryhor'iev, O.V.]

Late Cenozoic red beds in the northern Azov Sea region. Dop. AN URSR no.1:105-111 '64. (MIRA 17:4)

1. Institut geologiqueskikh nauk AN UkrSSR. Predstavleno akademikom AN UkrSSR V.G. Bondarchukom [Bondarchuk, V.H.].

BERRI, L.Ya., doktor ekon. nauk, prof.; MAKSIMOV, I.S.; BRAGINSKIY,
B.I., doktor ekon. nauk; GRIGOR'YEV, A.Ye., doktor ekon.
nauk, prof.; ITIN, L.I., doktor ekon. nauk, prof.;
LOKSHIN, E.Yu., prof.; KAMENITSER, S.Ye., doktor ekon. nauk,
prof.; OBLOMSKIY, Ya.A., kand. ekon. nauk, dots.; SHASS, M.Ye.,
doktor ekon.nauk, prof.; STEPANOV, A.Ya.; ULITSKIY, L.I., prof.,
doktor ekon. nauk; PODGORNOVA, V., red.; TROYANOVSKAYA, N.,
tekhn. red.

[Economics of socialist industry] Ekonomika sotsialisticheskoi promyshlennosti; uchebnik. 3., dop. i perer. izd. Pod red.L.I. Itina. Moskva, Gospolitisdat, 1963. 646 p. (MIRA 16:8)

1. Moscow. Gosudarstvennyy ekonomicheskiy institut. 2. Zaveduyushchiy kafedroy ekonomiki promyshlennosti Moskovskogo instituta narodnogo khozyaystva im.G.V.Plekhanova (for Itin). (Russia--Industry)

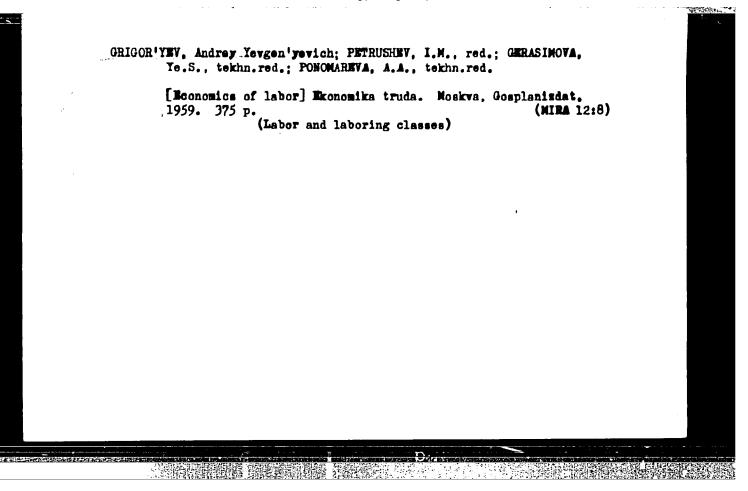
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

RUMYANTSEV, A.F.; YEFIMOV, A.N.; TEPLOV, G.V.; LOKSHIN, E.Yu.;
KARPENKO, A.P.; GRIGOR'YEV, A.Ye.; FILIPPOV, V.F.;
PERESLEGIN, V.I.; TYAGAY, Ye., red.; TROYANOVSKAYA, N.,
tekhn. red.

[Economics of industrial enterprises] Ekonomika promyshlennykh predpriiatii; uchebnik. 3. izd., perer. Moskva, Gospolitizdat, 1963. 574 p. (MIRA 16:10)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Industrial management)



RUMYANTSEV, A.F.; YEPIMOV, A.N.; TEPLOV, G.V.; LOKSHIN, E.Yu.; KARPENKO, A.P.; GRIGOR'YEV, A.Ye.; FILIPPOV, V.F.; PERESLEGIN, V.I., Prinimal uchastiye VOLOBARSKIY, L.M.; TYAGAY, Ye., red.; POPOVA, T., tekhn.red.

[Economy of socialist industrial enterprises; textbook] Ekonomika sotsialisticheskikh promyshlennykh predpriiatii; uchebnik. Moskva. Gos.isd-vo polit.lit-ry. 1959. 591 p. (MIRA 13:3)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola. 2. Zamestitel nachal nika TSentral nogo statisticheskogo upravleniya SSSR (for Volodarskiy).

(Industrial management)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

BELLII, L.Ya., doktor ekon. nauk, prof.; MARCHENKO, L.S., kard.
ekon. nauk; GRIGOR'YEV, A.Ya., doktor ekon. nauk, prof.;
ITIN, L.I., doktor ekon. nauk, prof.; LOKSHIN, E.Yu., doktor ekon. nauk, prof.; KAMENITSER, S.Ye., doktor ekon. nauk, prof.;
OBLOHSKIY, Ya.A., kand. ekon. nauk, dots.; SOKOLOV, B.M.,
doktor ekon.nauk, prof.; SHASS, M.Ye., doktor ekon.nauk;
STEPANOV, A.Ya.; ULITSKIY, L.I., doktor ekon. nauk, prof.;
PODGORNOVA, V., red.; TROYANOVSKAYA, N., tekhn. red.

[Economics of socialist industry; textbook] Ekonomika sotsialisticheskoi proryshlennosti; uchebnik. Pod red. L.I.Itina, B.S.Gerashchenko. 2., dop. i perer. izd. Moskva, Gospolitizdat, 1961. 775 p. (MIRA 15:10)

1. Moscow. Gosudarstvennyy ekonomicheskiy institut. 2. Zaveduyushchiy kafedroy ekonomiki proryshlennosti Moskovskego gosudarstvennogo ekonomicheskogo instituta (for Itin).

RUMYANTSEV, A.F.; YEFIMOV, A.N.; TEPLOV, G.V.; LOKSHIN, E.Yu.;

KARPENKO, A.P.; GRIGOR'YEV, A.Yg.; FILIPPOV, V.F.;

PERESIEGIN, V.I.; TYAGAY, Ye., red.; TROYANOVSKAYA, N.,
tekhn. red.

[Economics of industrial enterprises; textbook] Ekonomika promyshlennykh predpriiatii; uchebnik. 2., perer. i dop. izd.
Moskva, Gospolitizdat, 1962. 574 p. (MIRA 15:9)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Industrial management)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

AKOPOV, R.Ya., kand. ekon. mauk, dots.; BASYUK, T.L., doktor ekon. nauk, prof.; BIRMAN, A.M., doktor ekon. nauk, prof.; GRIGOR'YEV, A.Ye., doktor ekon. nauk, prof.; DOKUKIN, V.I., prof.; IKONNIKOV, V.V., prof.; KONDRASHEV, D.D., doktor ekon. nauk; KURSKIY, A.D., doktor ekon. nauk; LOKSHIN, E.Yu., doktor ekon. nauk, prof.; MALYY, I.G., kand. ekon. nauk, dots.; PERVUSHIN, S.P., kand. ekon. nauk; PLOTNIKOV, K.N., TYAPKIN, N.K., kand. ekon. nauk; FILIMONOV, N.P., kand. ekon. nauk; SHAFIYEV, K.N., doktor ekon. nauk; prof.; BAKOVETSKIY, O., red.; KOKOSHKINA, I., mladshiy red.; MOSKVINA, R., tekhn. red.

[Economics; communist means of production]Politicheskaia ekonomia; kommunisticheskii sposob proizvodstva. Uchebnik 2., perer. i dop. izd. Moskva, Sotsekgiz, 1963. 599 p.

(MIRA 16:5)

1. Chlen-korrespondent Akademii nauk SSSR (for Plotnikov).
(Economics) (Communism)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

GRIGOR'MEV, B.

Beacon with a hydraulic rotor. Rech. transp. 22 no.11:59 N
(MIRA 16:12)
163.

GRIGOR'YEV, B.A., doktor tekhn.nauk; GRIBANOV, V.P., kand.tekhn.nauk

Evaluating the efficiency of the engine cooling system of automobiles under operating conditions. Avt.prom. 27 no.10:7-9 0 161. (MIRA 14:10)

1. Vsesoyuznyy zaochnyy mashinostroitel'nyy institut.
(Automobiles-Engines-Cooling)

GRIGOR'YEV, B.A.

Combined method for the design of steam power plant with air condensation of steam. Izv.AN SSSR Otd.tekh.nauk no.2:165-182 147. (MLRA 6:12)

1. Predstavleno akademikom M. V. Kirpichevym. (Steam power plants)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

Using albedograph fc .etermining optical coefficients of engineering materials. Inzh.-fiz.zhur. no.1:34-40 Ja '58.

(Materials--Optical properties)

(MIRA 11:7)

GRIGOR YEV, B.A.

24-1-11/26

Grigor'yev, B. A. (Moscow). AUTHOR:

TITLE:

Certain problems of heating of an unlimited plate by non-steady state radiation fluxes. zadachi nagreva neogranichennoy plastiny nestatsion-

arnymi luchistymi potokami).

PERIODICAL: Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk, 1958, No.1, pp. 86-94 (USSR)

Card 1/3

ABSTRACT: The author considers non-steady state radiation fluxes of the impulse type (occurring for instance during atomic explosions), the density of which E at the irradiated surface is expressed by a denivative constant. surface is expressed by a derivative according to time T of a power function and an index function. Unilateral heating is considered of an infinite plate of a thickness d by a radiation flux of the above described type for the following conditions: the coefficient of absorption A of the irradiated surface remains constant during the entire irradiation time; the radiation is absorbed at the surface of the plate, i.e. the thickness of the absorbing layer can be disregarded; there is no release of heat from the plate to the outside; the physical parameters of the plate material are equal in all its points and do not change as a result of heating;

24-1-11/26 Certain problems of heating of an unlimited plate by non-steady state radiation fluxes.

there are no sources of heat inside and on the surface of the plate; at the beginning of the irradiation the temperature of the entire plate is completely uniform. The problem is one of the unidimensional problems of heat conductivity, which are functions of time, whereby the boundary conditions are of the second type. A sketch of the plate showing the selection of the coordinates is given in Fig.2, p.88; the origin of the coordinate system is located on the side of the plate which is in shadow. At first the author derives a General solution which yields an equation for calculating the temperature at any point of the plane of the infinite plate, Eq.(22), p.91. Following that, the problem is solved for the thermal radiation of a powerful In absence of a temperature wave the dimensionless heating increases generally with an increase in the dimensionless time and its maximum value always It is stated that the data of Lawson (Ref.2) confirm the formation of temperature waves in materials which are heated by thermal radiation from an impulse

Card 2/3 source. The derived solutions and the method of

Certain problems of heating of an unlimited plate by non-steady

temperature calculation can be applied for practical purposes if the real conditions approximate adequately the conditions of the problem under consideration.

There are 5 figures, 2 tables and 5 references - 4 Russian, 1 English.

SUBMITTED: February 6, 1957.

AVAILABLE: Library of Congress.

Card 3/3

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

GRIGOR'YEV, B.A.

Some problems in the radiant heating of infinite plates with summary in Egglish J. Insh.-fiz. shur. no. 9:29-35 S '58. (MIRA 11:10) (Radiant heating)

6.3000

\$/051/61/010/001/009/017

E201/E491

AUTHORS:

Grigor'yev, B.A., Yershov, A.G. and Uvarov, V.A.

TITLE:

Reflection of Radiation by an Infinite Plane

Illuminated With a Point Source.

I. Characteristics of the Radiation Field

PERIODICAL: Optika i spektroskopiya, 1961, Vol.10, No.1, pp.96-103

TEXT: The authors derive theoretically characteristics of the radiation field for perfectly diffuse reflection and for specular (directed) reflection by an infinite plane when scattering in the medium above the plane can be neglected and only directional attenuation of the medium need be allowed for. Fig.l and 2 show coordinates employed in calculations. The paper is entirely theoretical. There are 2 figures and 9 Soviet references.

SUBMITTED: October 3, 1959

Card 1/1

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681

Reflection of radiation from an unbounded plane surface irradiated by a point emitter. Part 2: Particular cases of importance for practical applications. Opt. i spektr. 10 no.2:198-208 F *61.

(Radiation) (Reflection (Optics))

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

L 16835-63 ENT(1)/BDS AFFTC/ASD/IJP(c)/SSD
ACCESSION NR: AP3003279 S/0286/63/000/003/0058/0058

AUTHOR: Grigor'yev, B. A.

TITLE: Heliostatic Installation. Class F 02j; h6e, 9. No. 152989

SOURCE: Byul. izobreteniy 1 tovarnykh znakov, no. 3, 1963, 58

TOPIC TAGS: heliostat, louvered shutter

ABSTRACT: 1. Heliostatic installation containing a concentrator for the sun's radiation, made up of long-focus reflectors, each of which is equipped with a guidance mechanism and a device for regulating the radiation; its distinguishing feature is that in order to ensure uniformity of irradiation of the objects under variable conditions, the reflectors have different relative focal dis-

tances (the ratio of the focal distance to the maximum linear dimension of the reflector), which increase gradually with increasing angles of inclination of the reflectors to the optical axis of the concentrator.

2. In an installation of type 2 -- use of sectionalized louvered shutters for

Card 1/32

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681

L 16835-63

ACCESSION NR: AP3003279

slow and fast regulation of the illumination with remote program control, so as to ensure gradual or step-wise change in radiation with time in accordance with a specified characteristic. Abstracter's note: complete translation. Orig. art. has: 1 figure.

ASSOCIATION: one

SUBMITTED: 1Feb62

DATE ACQ: 23Jul63

ENCL: O1

SUB CODE: CO, GE

NO REF SOV: 000

OTHER: 000

Card 2/32

AMBARTSUMOV, A.M.; ZHUKOV, G.V.; GRIGOR'YEV, B.F.; MAKSIMOV, I.S., red.; GERASIMOVA, Ye.S., tekhn. red.

[Standardizing the consumption of materials in production and construction] Normirovanie raskhoda materialov v proizvodstve i stroitel'stve. Moskva, Izd-vo ekon. lit-ry, 1961. 99 p.

(MIRA 14:10)

(Materials)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

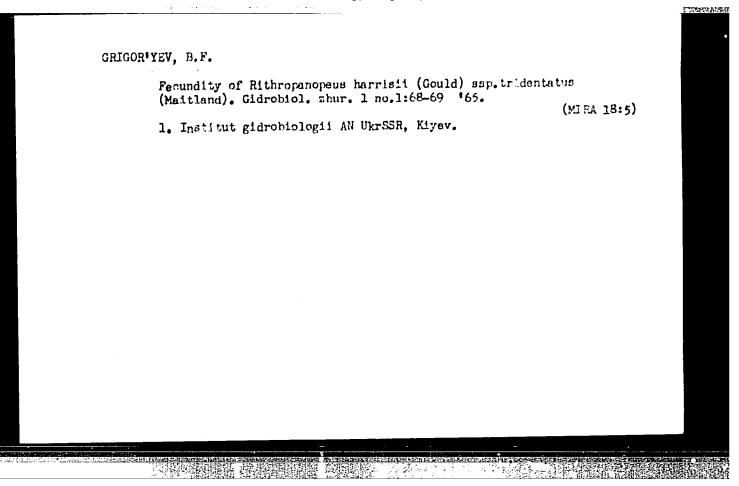
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AMBARTSUMOV, A.A.; ZHUKOV, G.V.; GREGOR'YEV, B.F.; SMIRNOV, Ye.I., red.; PONOMAREVA, A.A., tekhn. red.

[Standardizing the consumption of materials] Normirovanie raskhoda materialov. Fod red. Ambartsumova. Izd.2., dop. Moskva, Ekonomizdat, 1963. 109 p. (MIRA 16:6)

(Materials management)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681



GRIGOR YEV, B.F.

Hydrobiological regionalization of the lower reaches of the Southern Bug River as to the composition and population dynamics of the bottom fauna. Gidrobiol.zhur. 1 no.5:20-28 *65. (MIRA 18:11)

1. Institut gidrobiologii AN UkrSSR, Kiyev.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

DEFINITION OF THE PROPERTY OF

- 1. GRIGORIYEV, 3.6
- 2. USSR (600)
- 4. Shipbuilding
- 7. Analysis of the curves of vessel's effective tugging power, Mor. flot 12, No. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress,

February 1953, Unclassified.

APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681(

GRIGOR'YEV, B. G.

Girgor'yev, B. G. -- "New Methods of Calculating the Buoyancy, Stability, and the Unsinkability of Vessels." Min River Fleet USSR, Gor'kiy Inst of Engineers of Water Transport, Odessa, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

"APPROVED FOR RELEASE: Thursday, July 27, 2000

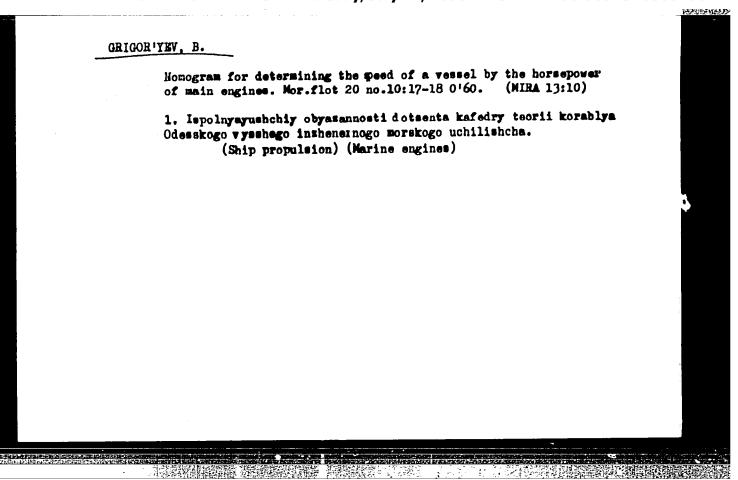
CIA-RDP86-00513R00051681

CRIGOR'TEV, B.G., kand.tekhn.nauk

Lightweight type of inclinograph. Rech.transp. 17 no.11:51
(MIRA 11:12)

Ships--Equipment and supplies)

GRIGOR'YEV, B.G., kand. tekhn. nauk Propeller pitch estimation. Sudostroenie 25 no.8:51-52 Ag '59. (MIRA 13:2-) (Propellers)

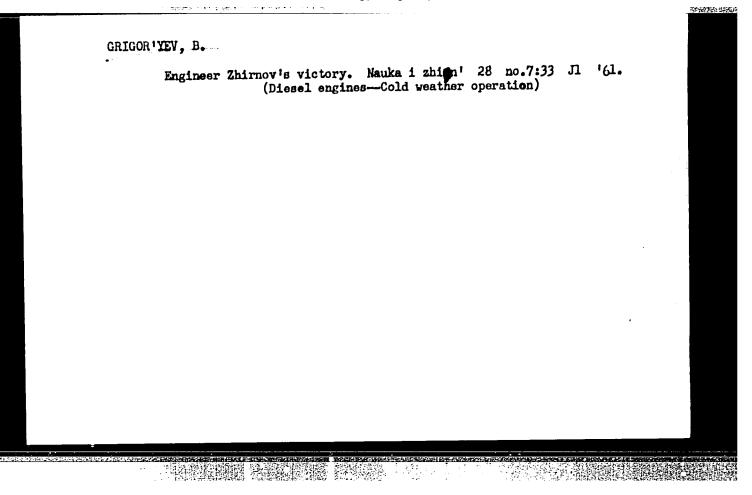


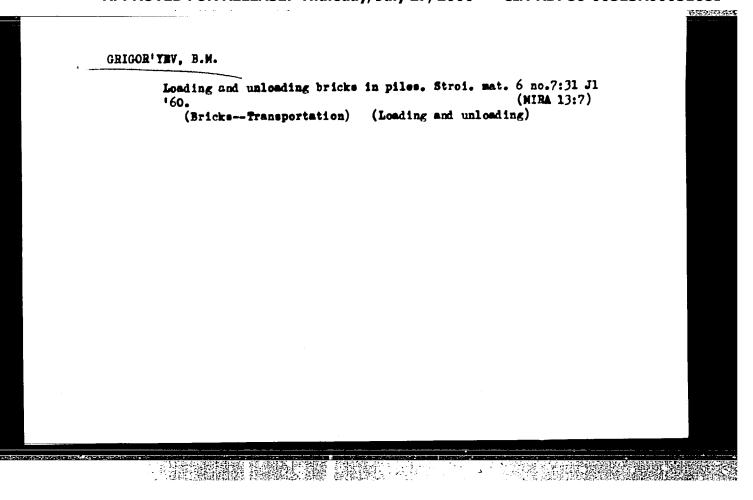
Approximate calculations of the propulsive speed of seagoing vessels. Sudostroenie 26 nc 11:13-14 N '60. (MIRA 14:1)

(Ship propulsion)

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ACC NR: AP7002611 (A,N) SOURCE CODE: UR/0413/66/000/023/0117/0118

INVENTOR: Grigor'yev, B.P.

ORG: none

TITLE: Method of improving wear and corrosion resistance of metals and alloys by surface treatment with halides. Class 48, No. 189278

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 117-118

TOPIC TAGS: whether chemical treatment, corrosion resistance improvement, wear resistance improvement, metal surface treatment, metal Surface (1111) A FOND TION, HALIDE.

ABSTRACT: This Author Certificate introduces a method for improving the wear and corrosion resistance of metals and alloys by surface impregnation with halides. Zinc, lead, and aluminum or their alloys are treated in a solution of iodine in acetone, and copper alloys are treated in a solu-

tion of bromine in glycerin. [AZ]

SUB CODE: 11/ SUBM DATE: 20Mar63/ ATD PRESS: 5114

Card 1/1 UDC: 620.197.2:621.785.5

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是特別

GRIGORYEV, B.P.; KOROLEV, B.G.; YAVOYSKIY, V.I.; ABROSICIOV, C.V.

K voprosu o kinetike okisleniya fosfora v staleplavilynykh protsessakh.

report submitted for the 5th Physical Chemical Conference on Steel Production.

Moscow po Jun 1959

DULIN, Viktor Nikolayevich; GRIGOR'YEV, B.S., red.; FRIDKIN, A.M., tekhn. red.

[Electronic and ionic devices] Elektronnye i ionnye pribory. Moskva, Gosenergoizdat, 1963. 543 p.

(MIRA 17:1)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

GRIGORIYET, D. S. AID 391 - I TREASURE ISLAND BICLIOURAPHIC REPORT PHASE I Call No.: TX.7870.075 DOOK Author: GRIGOR'YEV, V. S. and GRIGOR'YEV, B. S. Full title: ELECTRONIC AND IONIC DEVICES Transliterated title: Elektronnye i Ionnye Fribory Fublishing data Publishing house: State Publishing House got Literature on Problems of Communications and Radio No. of capies: 10,000 110. pp.: 327 Dtae: 1950 Editorial staff: Tech. Ed.: None Editor: None Appraiser: Lone Editor-in-chief: None Others: The author expresses his gratitude for aid in preparing this book to the following: Prof. N.A. Wikitin, D.V. Stramkovskiy. (see card for GRIGOR YEV, V. S. for more information)

े अने दूर्ण दूर्वराद्व **प्रदेशक्ष्यद्वद्वद**्व अन्तर्भाग्यासम्बद्धाः । । । । । । । । । । ASEYEV, Boris Pavlovich; GRIGGR'YEV, B.S., redaktor; MOROZOVA, T.N., tekhnicheskiy redaktor; [Phase relations in radio communication] Fasevye sootnosheniia v radiotekhnike. Moskva, Gos. izd-vo lit-ty po voprosam sviezi i radio, 1951. 247 p. (Phase modulation)

GRIGOR'YEV, V.S.; QRIGOR'YEV, B.S.; NIKITIN, N.A., professor, redaktor;
SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[Electronic and ion instruments] Elektronnye i ionnye pribory.
Izd. 2-e, perer. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i
radio, 1954, 418 p.

(Electronic apparatus and appliances)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

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CIA-RDP86-00513R00051681

Grigoryon B.S.

USSR/Hiscellaneous - Historical

Card 1/1

Pub. 133 - 11/16

Authors

: Grigor'yev, B. S.

Title

: An important document on radio construction

Periodical : Vest. svyazi 5, page 25, May 1955

Abstract

A reference is made to a telephone conversation and a letter written on 26 Jan. 1921, to Lenin, by the director of the Moscow Bureau of Nizhne-gorod Radio Laboratory, P. A. Ostryakov, dealing in a series of difficulties and problems encountered in the development of radio-telephone installations.

Institution:

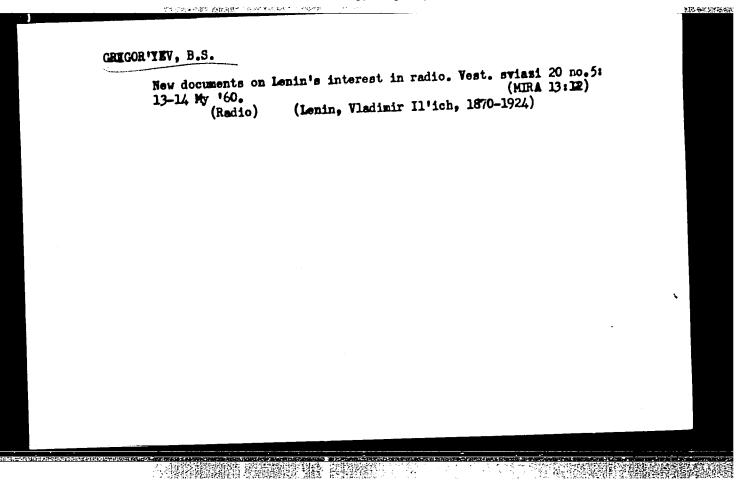
Submitted

GRIGOR'YRY, B.S., inzhener. Semiconductor devices. Vest.sviazi 16 no.3:13-15 Mr 156. (Semiconductors)

BORODICH, S.V.; KALININ, A.I.; FORTUSHENKO, A.D., otvetstvennyy redaktor; GRIGOR'YEV, B.S., redaktor; VEYNTRAUB, A.B., tekhnicheskiy redaktor

[Handbook for electrocommunications engineering] Inzhenernotekhnicheskii spravochnik po elektrosviazi. Moskva. Gos. izd-vo lit-ry po voprosam sviazi i radio. Vol. 7. [Radio relay systems] Radioreleinye linii. 1956. 172 p. (MIRA 9:9)

1. Russia (1923- U.S.S.R.) Ministerstvo svyazi. (Radio relay systems)



GRODNEY, I.I.; GUMELYA, A.M.; KLIMOY, M.A.; SHRGHYCHUK, K.Ya.; SHVARTSMAN, V.O.; GRIGGR'YEV, B.S., red.; FORTUSHEMKO, A.D., red.; BOGACHEVA, G.V., red.; SHEFER, G.I., tekhn.red.

[Miectrical communications engineering handbook; cable and overhead communications lines] Inshemerno-tekhnicheskii spravochnik po elektrosviasi; kabel'nye i vozdushnye linii sviasi. Moskva, Gos.isd-vo lit-ry po voprosam sviasi i radio, (MIRA 14:3) (Telephone lines)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

BOVKUN, Viktor Georgiyevich; KAZARINOV, Ivan Alekseyevich; KOKOSHKIN,
Pavel Aleksandrovich; IYUBSKIY, Gennadiy Severianovich; EEDOVAR,
Anatoliy Isayevich; PETROV, Viktor Vasil'yevich; PIONTKOVSKIY,
Bronislav Aleksandrovich; SERYAKOV, Nikolay Ivanovich; ELINSON,
Mikhail Mikhaylovich; SERGEYCHUK, K.Ya., red.; GRIGOR'YEV, B.S.,
red.; FORTUSHENKO, A.D., red.; BUSANKINA, N.G., red.; SHEFER, O.I.,
tekhn. red.

[Engineering manual on electric communications; electric equipment] Inzhenerno-tekhnicheskii spravochnik po elektrosviazi; elektroustanovki. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1962. 671 p.

(Telecommunication-Handbooks, manuals, etc.)

(Electric engineering-Handbooks, manuals, etc.)

NOVIKOV, Vasiliy Vasiliyevich; ZUBOVSKIY, Leonid Isaakovich;
PRAMNEK, German Fritsevich; KCGAN, Valentina Solomonovna;
KLIKOV, Semen Ivanovich; NAUMOV, Pavel Alekseyevich;
YEMELIYANOV, Gennaddy Alekseyevich; VORONIN, Mikolay
Isidorovich; SERGEICHUK, K.Za., red.; GRIGOR!YEV, B.S., red.;
FORTUSIENKO, A.D., red.; NOVIKOV, V.V., otv. red.; SMOLYAN,
G.L., red.; MARKOCH, K.G., tekhn. red.

[Manual on electric communications; telegraphy] Inshenernotekhnicheekii spravochnik po elektroeviasi; telegrafia.
tekhnicheekii spravochnik po elektroeviasi; telegrafia.
[By] V.V.Novikov i dr. Moskva, Svias'izadat, 1963. 654 p.
(MIRA 16:5)

(Telecommunication-Handbooks, manuals, etc.)