"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

Karpinskiy, G.K.

Russia/General Problems - Problems of Teaching A-3

Abst Journal : Referat Zhur - Fizika, No 12, 1956, 33583

Author : Karpinskiy, G. K.

Institution : None

Title : Elements of Polytechnic Instruction in the Physics Classes

Original Periodical : Sb.: Iz praktiki politekh. obucheniya, Moscow, Academy of Pedagogical Sciences RSFSR, 1955, 39-54

Abstract : It is noted that practical realization of the problem of polytechnic instruction is impossible without creating a material base in the school. The teacher who acquires the physical laboratory instruments must obtain not only teaching equipment but a certain amount of instruments and devices of a technical nature. Instruments and installations that acquaint the students with the level of modern technique are partly produced in the school by the effort of the students. The physical-technical equipment of the laboratory should to some

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Russia/General Problems - Problems of Teaching A-3

Abst Journal : Referat Zhur - Fizika, No 12, 1956, 33583

extent reflect the specific characteristic of the regions in which it is located so as to be able to bring the knowledge of the students closer to the surrounding life and to the techniques of the industry or of agriculture. Field trips to manufacturing places occupy an important place in teaching. It is noted that all measures carried out in the school with respect to the realization of polytechnic instruction have contributed to a deeper mastery of the fundamentals of physics.

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KOVALEVSKIY, Mikhail Mikhaylovich; KIRILLOV, I.I., doktor tekhnicheskikh nauk, retsenzent; KARPINSKIY, G.K., inzhener, retsenzent; BITEMAN, B.L., inzhener, redaktor; DUGINA, N.A., tekhnicheskiy redaktor

[Steam turbines; a popular scientific sketch] Parovye turbiny; nauchno-populiarnyi ocherk. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 102 p. (MLRA 10:2)
(Steam turbines)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, G.K., zasluzhennyy uchitel' shkoly RSFSR (Sverdlovsk)

Studying physics in the sixth grade according to the new program and using a new textbook. Fiz.v shkole 20 no.4:37-41 Jl-Ag '60. (MIRA 13:8)

(Physics--Study and teaching)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, G.K. (Sverdlovsk)

Studying physics in the seventh grade according to the new program and the new textbook. Fiz.v shkole 21 no.3:39-41 My-Je '61. (MIRA 14:8)

(Physics--Study and teaching)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

30(4) SOV/127-59-4-24/27

AUTHOR: Karpinskiy, G.Ye., Mining Engineer

TITLE: On the Article by A.P. Gridnev, "New Variations of Mining Methods for Especially Powerful Excavators". (Na stat'yu A.P.Gridneva "Novyye varianty sistemy razrabotki dlya osobo moshchnykh ekskavatorov."

PERIODICAL: Gornyy zhurnal, 1959, Nr 4, p 79 (USSR)

ABSTRACT: The author does not agree with the author of the above article published in Nr 4 (1958) of "Gornyy zhurnal" that the field of activity of the ESh-14/75 excavator could be considerably increased. In the specific conditions of the Raychikhinsk deposit, the height of the dumping terrace is limited by frequent rainfalls and it must be calculated as 10-20% lower than usual. There is 1 graph and 1 diagram.

Card 1/1

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, G.Ye., gornyy inzh.

Selecting new stripping equipment for the coal deposits of Eastern Siberia. Ugol' 36 no.7:11-15 Jl '61. (MIRA 15:2)
(Siberia, Eastern--Strip mining) (Coal mining machinery)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, G.Ye., inzh.

Efficiency of the organization of boring and blasting operations in the Krivoy Rog Basin open-cut mines. Nauch.soob.IGD 24:40-45 '65. (MIRA 18:10)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

ACC NR: AR7004312 SOURCE CODE: UR/0271/66/000/011/A048/A048

AUTHOR: Volkov, N. P.; Golosovskiy, A. M.; Zorin, Yu. V.; Karpinskiy, I. P.; Mukhin, G. I.; Rudenko, L. I.; Polosin, A. V.

TITLE: Measuring outfit for automatic counting of replaceable specimens with information recorded on punchtape

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 11A377

REF SOURCE: Tr. 6-y Nauchno-tekhn. konferentsii po yadern. radioelektron. T.3. Ch. 2. M., Atomizdat, 1965, 129-136

TOPIC TAGS: ~~particle counting~~, ~~electronic measurement~~ automaton, punched paper tape, computer, output unit, radio transmitter / ST-2M transmitter

ABSTRACT: The distinguishing feature of this automaton is the punchtape recording of information including the ordinal number of the specimen which is retained for further measurements. The number is composed from the disk-position number and the reel number. A readout device consists of a few standard pushbutton switches controlled by code tracks situated below the disk and the reel. The information is taken by a telegraph apparatus. The output parallel code is turned into a series code by a cam-contact mechanism of an ST-2M transmitter. The transmitter contact system and the receiver magnet, in the same apparatus, are connected in series. One of the contact bars of the ST-2M apparatus is replaced by six electrically insulated contact bars with separate leads. Three figures. Bibliography of 3 titles. B. U. [Translation of abstract]

SUB CODE: 09

Card 1/1 UDC: 658.562:533

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 41918-65 EWT(1)/EEC(m)/EWT(m)/EWG(v)/FCC/EEC-4/EEC(t)/T/EWA(h) Po-4/Po-5/
Pq-4/Pae-2/Peb/Pi-4 IJP(c) GW
ACCESSION NR: AP5009640 UR/0293/65/003/002/0237/0243

AUTHOR: Babichenko, S. I.; Karpinskiy, I. P.; Kaplan, S. A.; Katyushina, V. V.; Krylov, L. N.; Kurt, V. G.; Pustovayt, K. N.; Shifrin, A. V.

TITLE: Investigation of scattered ultraviolet radiation in the upper atmosphere. 1. Equipment

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 2, 1965, 237-243

TOPIC TAGS: UV radiation, radiation counter, photon counter, Geiger counter/SFM-1 radiation counter

ABSTRACT: Photon counters used in investigations of scattered UV radiation in the upper atmosphere are described. The two counters, of the SFM-1-type, are filled with NO and have LiF radiation windows for measurements within 1050—1340 Å. The counters were selected for their narrow sensitivity band and comparatively high quantum yield (0.01—0.1). Pulses from a counter are recorded by a two-channel logarithmic rate meter within the interval from 2 to 2×10^3 pps. However, slot width and brightness were selected so that the counting rate does not exceed 1000 pps, which keeps it within the linear portion of the counting characteristic.

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L 41818-65

ACCESSION NR: AP5009640

The operating voltage of the counters is 1000 v. The counter circuitry includes a preamplifier, trigger, pulse normalizer, storage circuit, transistorized d-c amplifier, supply-voltage regulator, and high-voltage converter for power supply. The modular design of the system provides a high degree of miniaturization and reliability. Orig. art. has: 5 figures. [KM]

ASSOCIATION: none

SUBMITTED: 23Jul64 ENCL: 00 SUB CODE: OP, AA

NO REF SOV: 005 OTHER: 002 ATD PRESS: 3235

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

ACC NR: AR6023344 SOURCE CODE: UR/0271/66/000/004/A042/A042

AUTHOR: Golosovskiy, A. M.; Ioannesyants, L. M.; Karpinskiy, I. P.; Kreyndlin, I.I.

TITLE: Use of successive statistical analysis in measurements of nuclear radiations

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 4A317

REF SOURCE: Tr. Soyuzn. n.-i. in-ta priborostr., vyp. 1, 1964, 213-232

TOPIC TAGS: nuclear radiation, statistic analysis, radiation measurement

ABSTRACT: The principles of using successive statistical analysis for determining the parameters of the Poisson distribution law in measurements of nuclear radiations are examined. [Translation of abstract] 9 illustrations and bibliography of 7 titles. B. U.

SUB CODE: 12, 18

Card 1/1 UDC: 658.562:533

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 35353-66 EWT(m)

ACC NR: AR6017801 SOURCE CODE: UR/0058/66/000/001/A058/A058

AUTHOR: Golosovskiy, A. M.; Ioannesyants, L. M.; Karpinskiy, I. P.; Kreyndlin, I. L.

TITLE: On the use of sequential statistical analysis in measurement of nuclear radiation 19

SOURCE: Ref. zh. Fizika, Abs. 1A502 9M

REF SOURCE: Tr. Soyuzn. n.-i. in-ta priborostr. vyp. 1, 1964, 213-232 33

TOPIC TAGS: nuclear radiation, radiation measurement, statistic analysis B

ABSTRACT: The authors consider the application of the method of sequential statistical analysis for sorting radioactive samples by their activity. For the case of a Poisson distribution, this problem can be formulated in the following manner. If m pulses were registered in a time t = T and if m < N (where N is the limiting number of pulses), then hypothesis H_1 is assumed, and if m = N after t < T, then hypothesis H_2 is assumed. In the method of sequential statistical analysis, the choice between the hypotheses reduces to a verification of the inequality (A. Wald, Sequential Analysis, Wiley, N.Y. 1947) $\ln B < Z < \ln A$ (1), where Z is the logarithm of the likelihood ratio, and the numbers A and B are determined from the relations $A = (1 - a_2)/a_1$ and $B = a_2/(1 - a_1)$, where a_1 and a_2 are probabilities determined by the formulas

$$a_2 = \int_0^{\lambda_{threshold}} f(x\lambda_2)\,dx \text{ and } a_1 = \int_{\lambda_{threshold}}^{\infty} f(x\lambda_1)\,dx.$$

Card 1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, M. A.

Title: Filtering of the electro-mechanisms of interference sources

Author: M. A. Karpinskii

Publication: Electrical Industry Bulletin

Location: Leningrad

No. 1-2 p. 10-19 Date: 1946

From List ATIC 20361-1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, M. A.

"An Analysis of the Protection From Industrial Interference of a Pulse Type," Elektrichestvo No. 11, 1947. (~~in biblio-file~~).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, M. A.

USSR/Electricity - Interference Dec 51

"Equivalent Circuits for a Source of Impulse Interference to Radio Reception," M. A. Karpinskiy, Cand Tech Sci, TsLIR, Min of Elec Ind USSR

"Elektrichestvo" No 12, pp 58-62

Derives equiv rf circuits for the interference-forming element of a source of impulse interference, i.e., a contact interrupter. Proposes an engineering method for the calcn of the effectiveness of filters. Submitted 17 Jul 50.

201T83

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

IL'GEKIT, F.E.; SHAPIRO, D.N.; FOMENKO, L.A.; KARPINSKIY, M.A.; FERSMAN, A.A.; PEVNITSKIY, V.P. [reviewers]; LYUTOV, S.A. [author].

"Industrial interference with radio reception and its control." S.A.Liutov. Reviewed by F.E.Il'gekit, D.N.Shapiro, L.A.Fomenko, M.A.Karpinskii, A.A. Feresman, V.P.Pevnitskii. Elektrichestvo no.12:85-87 D '53. (MLRA 6:11)

1. TSentral'naya laboratoriya po bor'be s industrial'nymi radiopomekhami MESEP SSSR (for Il'gekit, Shapiro and Fomenko). 2. Leningradskiy elektrotekhnicheskiy institut (for Karpinskiy). 3. Leningradskoye vyssheye morekhodnoye uchilishche (for Fersman and Pevnitskiy).
(Radio--Interference) (Liutov, S.A.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, M. N.

1 3
2 {4E2C
{4E4}

4026 Technical analysis of dimethylaniline. M. N. Karpinskii. *Trudy Leningr. Tekhnol. Inst. im. V. M. Molotova*, 1956, (4), 275-278; *Ref. Zhur., Khim.*, 1957, Abstr. No. 23,532.—The method consists in the oxidation of dimethylaniline (I) in acid medium and its condensation with phenol to form the dye methyl violet, with comparison of the colour formed against a standard. Mix about 0·05 g of sample with finely ground NaCl, $CuSO_4 \cdot 5H_2O$ and phenol, maintain at 60° or 65° for 5, 6 or 7 hr., and after adding a few drops of HCl place the mixture on a boiling-water bath for 30 min. Extract the dye formed with ethanol and add to 25 g of kaolin a vol. of the soln. calculated from the formula $T = 1/1{\cdot}034\ W$, where T = volume of dye soln. in ml. and W = wt. of sample of I. Compare the colour with a standard soln. of the dye.

C. D. Kopkin

1/1

gag

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

5.3620,5.3810

75689
SOV/80-32-10-38/51

AUTHORS: Dashkevich, B. N., Karpinskiy, M. N.

TITLE: Brief Communications. Activated Carbon From Sulfite-Cellulose Liquor

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 10, pp 2339-2341 (USSR)

ABSTRACT: A simple method for the preparation of activated carbon from sulfite-cellulose liquor is given. The sulfite-cellulose liquor is evaporated, the dry residue carbonized at 300 to 400°, and the ashes removed. The activated carbon so obtained has less activity and less strength of grains than activated birchwood carbon. Washing of carbon residue with benzene and petroleum ether does not increase its activity. Activation of sulfite carbons with steam increases the activity to 160-195% of activated birchwood carbon (BAU). Activation of sulfite carbons with CO_2 increases vapor and gas static sorption activity by 280 to 340% and dynamic sorption activity

Card 1/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

Brief Communications. Activated Carbon From Sulfite-Cellulose Liquor

75689
SOV/80-32-10-38/51

by 220% in comparison with activated birchwood carbon. Activated sulfite carbons are useful for purification of gases in stable working conditions where friction of carbon grains is not present. There are 2 tables; 6 references, 2 Soviet, 1 U.S. (U.S. patent 2411125, 11 V, 1948; 2567468, 11 IX, 1951), 2 German, 1 Norwegian.

SUBMITTED: July 24, 1958

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

AKIM, L.Ye.; KARPINSKIY, M.N.; ROMANENKO, V.A.; ETINA, Yu.Ya.

Changes of the functional groups of viscose cellulose in the process of its bleaching. Zhur.prikl.khim. 35 no.11:2534-2538 N '62. (MIRA 15:12)

(Cellulose) (Bleaching)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, M.N., kand.khimicheskikh nauk; KHOMYAKOVA, G.I.

Oxidation of mixtures of aromatic amines to methyl violet. Trudy LTITSBP no.8:123-126 '61. (MIRA 16:9)
(Amines) (Methyl violet) (Oxidation)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

SINYAGIN, [illegible]; KOPEN'KOV, D.A.; CHEREMISOV, G.A., NAYDIN, [illegible]
BARANOV, P.A.; KARPINSKIY, N.I.; BALYABO, N.K.; MAR[illegible]

Leonid Nikolaevich Baranov, d. 1965; an obituary. Morlsdenie
2[illegible] no.10:89 O '65. (MIRA 18:[illegible])

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

20

15

Mechanical analysis of soil by the pipet method. N. P. KARPINSKII AND S. I. DOLGOV. *Novii. Agron.* 1, 1–42(1930).—Results agree well with those of Schoene's method, but differ considerably from those of Williams' method in the coarse and medium fractions. B. C. A.

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

Ca

15

Phosphoric acid combined with soil organic matter. N. P. Karpinskii and V. B. Zamyatina. *Proc. Gedroiz Inst. Fertilizers* (Moscow) 2, 133–47(1933).—Soil org. matter is destroyed by H_2O_2, and P_2O_5 is leached out with 0.05 *N* HCl. The P_2O_5 combined with org. matter in chernozems and podzols amts. to 50% of the total. Oxidation with H_2O_2 converts it into a difficultly sol. form.

B. C. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

Fundamental methods in accurate soil investigations

N. P. Karpinskii. *Chemisation Socialistic Agr.* (U. S. S. R. 17, No. 1, 85-9 (1938); *Chem. Zentr.* 1938, II, 751.

The importance of uniform methods in soil investigation and cartography is pointed out. In actual operation, accurate information regarding the condition of the individual field and its development should be given.

M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, N. P.

KARPINSKIY, N. P. - "Acidity of Podzolic Soils." Sub 8 May 52, All-Union Sci Res Inst of Fertilizers, Agricultural Engineering and Soil Science. (Dissertation for the Degree of Doctorates of Agricultural Sciences)

SO: Vechernaya Moskva January-December 1952

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, N.P.

Dependence of the pH of a salt extract of a soil on the salt concentration of the solution and the acidity of the solid phase of the soil. N. P. Karpinskii and A. P. Golubeva (*Pochvovedenie*, 1935, No. 5, 1—18). — The pH of an aq. $CaCl_2$ extract of soil may be calculated from the equation $pH = pH_0 + kp\,C_a$ where pH_0 is the pH at unit $[C_a]$. In soils of high exchange acidity the equation is approx. true only for low salt concn. The acidity of the solid phase of the soil, which in very acid soils is modified by high salt concn., is described by (a) the potential (exchange hydrolytic) acidity, as measured by the titratable acid in a salt extract or suspension of the soil, and (b) the level of acidity.

Soils & Fertilizers (A. G. P.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, N.P.

The nature of soil acidity. D. L. Ashkinazi, N. P. Karpinskii, and N. P. Remezov. *Pochvovedenie* 1955, No. 9, 17-24.—A theoretical discussion and crit. analysis of the problem of soil acidity based on the views of Gedroits (*Die Lehre vom Adsorptionsvermögen der Böden* (*C.A.* 26, 2008)) that exchange acidity is due to replaceable H ions and the views of Chernov (*C.A.* 47, 6690*e*; C., *et al.*, *C.A.* 49, 14242*a*) that exchange Al is responsible for the acidity. Conclusion: There is no proof that Al is the chief source of hydrolytic acidity and hence of exchange acidity.

— J. S. Joffe

AG

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

BENEDIKTOV, I.A., redaktor; GRITSENKO, A.V., redaktor; IL'IN, M.A., zamestitel' glavnogo redaktora, LAPTEV, I.D., LISKUN, Ye.F.; LOBANOV, P.P., glavnyy redaktor; LYSENKO, T.D.; SKRYABIN, K.I.; STOLETOV, V.N.; PAVLOV, G.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SOKOLOV, N.S., professor, nauchnyy redaktor; ANTIPOV-KARATAYEV, I.N., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KARPINSKIY, N.P., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHESTAKOV, A.G., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; RUBIN, B.A., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KOMARNITSKIY, N.A., dotsent, nauchnyy redaktor; LYSENKO, T.D., akademik, nauchnyy redaktor; POLYAKOV, I.M., professor, nauchnyy redaktor; SHCHEGOLEV, V.N., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; YAKUSHKIN, I.V., akademik, nauchnyy redaktor; LARIN, I.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; SMELOV, S.P., professor, doktor biologicheskiy nauk, nauchnyy redaktor; EDEL'SHTEYN, V.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHCHERBACHEV, D.M., professor, doktor meditsinskikh nauk, nauchnyy redaktor; OGOLEVETS, G.S., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; YAKOVLEV, P.N., akademik, nauchnyy redaktor; YEKIMOV, V.P., agronom, nauchnyy redaktor [deceased], EYTINGEN, G.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; TIMOFEYEV, N.N., professor, nauchnyy redaktor; TUROV, S.I., professor, doktor biologicheskikh nauk; YUDIN, V.M., akademik, nauchnyy redaktor; LISKUN, Ye.F., akademik, nauchnyy redaktor; VITT, V.O., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KALININ, V.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor

(Continued on next card)

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BENEDIKTOV, I.A.---- (continued) Card 2.

GREBEN', L.K., akademik, nauchnyy redaktor; NIKOLAYEV, A.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; RED'KIN, A.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SMETNEV, S.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POPOV, I.S., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; MANTEYFEL', P.A., professor nauchnyy redaktor; INIKHOV, G.S., professor, doktor khimicheskikh nauk, nauchnyy redaktor; ANFIMOV, A.N., professor, nauchnyy redaktor; GUBIN, A.F., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; POLTEV, V.I., professor, doktor veterinarnykh nauk, nauchnyy redaktor; LINDE, V.V., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; CHERGAS, B.I., professor, doktor biologicheskikh nauk, nauchnyy redaktor; NIKOL'SKIY, G.V., professor, nauchnyy redaktor; AVTOKRATOV, D.M., professor, doktor veterinarnykh nauk, nauchnyy redaktor; IVANOV, S.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; VIKTOROV, K.P., professor, doktor veterinarnykh nauk, nauchnyy redaktor; KOLYAKOV, Ya.Ye., professor, doktor veterinarnykh nauk, nauchnyy redaktor; ANTIPIN, D.N., professor, doktor veterinarnykh nauk, nauchnyy redaktpr; MARKOV, A.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; DOMRACHEV, G.V., professor, doktor veterinarnykh nauk, nauchnyy redaktor; OLIVKOV, B.M., professor, doktor veterinarnykh nauk nauchnyy redaktor [deceased]; FLEGMATOV, N.A., professor, doktor veterinarnykh nauk, nauchnyy redaktor; BOLTINSKIY, V.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; VIL'YAMS, Vl.P., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; KRASNOV, V.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor;

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BENEDIKTOV, I.A.---(continued) Card 3.

YEVREINOV, M.G., akademik, nauchnyy redaktor; SAZONOV, N.A., doktor tekhnicheskikh nauk, nauchnyy redaktor; NIKANDROV, B.I., inzhener, nauchnyy redaktor; KOSTYAKOV, A.N., akademik, nauchnyy redaktor; CHERKASOV, A.A., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; DAVITAYA, F.F., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; IVANOV, N.N., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor; ORLOV, P.M., professor, doktor tekhnicheskikh nauk, nauchnyy redaktor, LOZA, G.M., kandidat ekonomicheskikh nauk, nauchnyy redaktor; CHERNOV, A.V., kontrol'nyy redaktor; ZAVARSKIY, A.I., redaktor; ROSSOSHANSKAYA, V.A., redaktor; FILATOVA, N.I., redaktor; YEMEL'YANOVA, N.I., redaktor; SILIN, V.S., redaktor BRANZBURG, A.Yu., redaktor; MAGNITSKIY, A.V., redaktor terminov; KUDRYAVTSEVA, A.G., redaktor terminov; AKSENOVA, A.P., mladshiy redaktor; MALYAVSKAYA, O.A., mladshiy redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

BENEDIKTOV, I.A.---(continued) Card 4.

[Agricultural encyclopedia] Sel'skokhoziaistvennaia entsikolopediia. Izd.3-e, perer. Moskva, Gos. izd-vo selkhoz. lit-ry. Vol.5. [T-IA.] 1956. 663 p.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, N.P.

BARANOV, P.A., akademik; KARPINSKIY, N.P., doktor sel'skokhozyaystvennykh nauk; BOYARSKAYA, L.S., redaktor; PERESYPKINA, Z.D., tekhnicheskiy redaktor; ZUBRILINA, Z.P. tekhnicheskiy redaktor.

[Use of fertilizers in the German Democratic Republic] Primenenie udoblenii v GDR. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 157 p. (MIRA 10:6)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, N.P.; ZAMYATINA, V.B.

Phosphate level of soils [with summary in English]. Pochvovedenie no.11:27-39 N '58. (MIRA 11:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.
(Minerals in soil) (Phosphates)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

TYURIN, I.V.; SOKOLOV, A.V.; BUSHINSKIY, V.P.; SOBOLEV, S.S.; ERANTSESSON, V.A.; KARPINSKIY, N.P.; BALYABO, N.K.; GRINCHENKO, A.M.; KRUPSKIY, N.K.

Aleksei Nikanorovich Sokolovskii; obituary. Pochvovedenie no.10:124-125 O '59. (MIRA 13:2)
(Sokolovskii, Aleksei Nikanorovich, 1884-1959)

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KARPINSKIY, N., ZAMYATINA, V. and GLAZUNOVA, N.

"Mobile Soil Phosphorus And Its Utilization By Plants".

report submitted for the 7th Congress of International Society of Soil Science Madison, Wisconsin, 15-23 Aug 60.

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BALYABO, N.K., red.; KARPINSKIY, N.P., red.; FRANTSESON, V.A., red. [deceased]; SHLEPANOV, V.M., red.; ANTONOVA, N.M., tekhn. red.

[Agricultural characteristics of soils; as exemplified by individual economies] Agronomicheskaia kharakteristika pochv; na primere otdel'nykh khoziaistv. Pod obshchei red. N.K.Baliabo, N.P.Karpinskogo i V.A.Frantsesona. Moskva, Sel'khozizdat, 1961. 290 p. (MIRA 15:2)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.
(Soils)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, N.P., doktor sel'skokhoz. nauk

Agrochemical indices and the use of fertilizers. Zemledelie 25 no.11:58-63 N '63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, N.YE.

BUYANOV, Yu.D., inzh.; GAZYZOV, M.S., inzh.; DAVIDENKO, Yu.K., inzh.; DIONIS'YEV, A.I., inzh.; DEMIN, A.M., inzh.; KARPINSKIY, N.Ye., inzh.; RAZMYSLOV, Yu.S., kand.tekhn.nauk; SKRIPKA, L.V., kand. tekhn.nauk; TULOVSKIY, M.V., inzh.; YAMSHCHIKOV, S.M., inzh.; OKHRIMENKO, V.A., red.izd-va; BERLOV, A.P., tekhn.red.

[Problems in open-cut mining of coal] Voprosy otkrytoi razrabotki ugol'nykh mestorozhdenii. Pod obshchei red. IU.S.Razmyslova. Moskva, Ugletekhizdat, 1957. 338 p. (MIRA 11:4)
(Strip mining) (Coal mines and mining)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, O.G.; LEVITSKIY, B.M.

Residual stresses in metals due to grinding. Izv.AN SSSR.Ser.fiz.20 no.6:700-702 Je '56. (MLRA 10:1)

1. Moskovskiy inzhenerno-fizicheskiy institut.
(Strains and stresses) (Grinding and polishing)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, O.G.

USSR/Physics

Card 1/1 Pub. 22 - 14/43

Authors : Karpinskiy, O. G., and Levitskiy, B. M.

Title : Residual strains after grinding metals

Periodical : Dok. AN SSSR 106/1, 55-57, Jan 1, 1956

Abstract : Experiments were conducted to study the effect of grinding on the formation of residual strains in metals. The roentgenographic method was used and the results are described. Eight references: 4 USA, 4 USSR (1943-1954). Graphs.

Institution : Moscow Physico-Engineering Institute

Presented by: Academician G. V. Kurdyumov, July 5, 1955

Translation D419421, p.57

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, O.G.

Category : USSR/Solid State Physics - Structure of Deformable Materials E-8

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3938

Author : Karpinskiy, O.G., Levitskiy, B.M.

Title : Errata to Article "Residual Stresses after Polishing of Metals"

Orig Pub : Dokl. AN SSSR, 1956, 106, No 6, 950

Abstract : Concerns Ref. Zh. Fiz. 1956, 31769

Card : 1/1

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, O.G., Cand Phys-Math Sci -- (diss) "Residual stresses after polishing of metals". Mos, 1957, 8 pp (Min of Higher Education USSR, Mos Engineering Phys Inst), 100 copies (KL, 1-58, 114)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

S/180/61/000/005/013/018
E193/E383

AUTHORS: Ageyev, N.V., Karpinskiy, O.G. and Petrova, L.A. (Moscow)

TITLE: Stability of the beta-solid solution in titanium-iron-chromium alloys

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo, no. 5, 1961, 86 - 89 + 1 plate

TEXT: The object of the present investigation was to study the effect of a third alloying element (iron or chromium) on the stability of the β-phase in binary Ti-Cr or Ti-Fe alloys. The composition of the experimental alloys is given in a table. Hardness measurements, metallographic examination and X-ray diffraction were used to study the phase transformations in specimens prepared from alloys which had been melted in an argon-arc furnace, hot-forged, scalped and homogenized by two-hours treatment at 900 °C. In the first series of experiments the constitution of alloys quenched from 800 and 900 °C was studied. The results are reproduced in Fig. 1, showing the

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Stability of ....

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E193/E383

Ti-rich corner of the metastable constitution diagram of Ti-Fe-Cr alloys at 900 °C (broken line) and 800 °C (continuous line); the regions above and below these lines comprise alloys consisting, respectively, of β+ω and β-phase only. These results are in agreement with the earlier findings of Ageyev and Petrova (Ref. 5 - DAN SSSR, 1961, v. 138, no. 2, 359-360), according to which alloys with an electron concentration ≥ 4.2 consist of a single β-phase, whereas those with and electron concentration < 4.2 have a two-phase (β+ω) structure. In the second series of experiments, the stability of the metastable β-phase, obtained in alloys 2, 4, 5 and 7 by quenching from 900 °C, was studied on specimens aged at 100 - 400 °C for periods ranging from 15 min to 100 hours. The results are reproduced in Fig. 2, where the constitution of an alloy containing 4.09% Fe and 6.20% Cr is plotted as a function of temperature (t, °C, vertical axis) and time (τ, min, horizontal axis); the continuous lines divide the diagram into three regions: β-phase regions (circles); (β+ω) region (crosses) and (α+β) region (squares). The numbers ascribed to

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experimental points denote the hardness (kg/mm^2) of the corresponding specimens and the broken lines represent the boundary of the maximum-hardness region. It will be seen that alloys with the ($\beta+\omega$) structure are relatively hard, the hardness increasing with temperature of the ageing treatment. This effect is associated with the degree of dispersion and the quantity of precipitated ω-phase. Laue photographs of the Ti-Fe-Cr alloys, aged at 300 - 400 °C, showed additional reflections (satellite spots) situated near those produced by the matrix lattice. This effect was attributed to a change in the periodicity of the lattice in sub-microscopic crystal regions caused by localized variation of the concentration of supersaturated solid solution during the formation of two-dimensional nuclei of the new phase, whose composition approached that of the precipitated phase in equilibrium with the matrix. The dimension of the Ti-enriched regions were calculated from the angular displacement of the satellite spots and it was found that they depended on the composition of the alloy and the ageing time and temperature, being approximately

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150 Å in the 3.19 wt.% Fe and 5.99 wt.% Cr alloy, aged for 15 min at 400 °C, approximately 125 Å in similarly treated 4.09 wt.% Fe and 6.20 wt.% Cr alloy and about 100 Å in the 4.15 wt.% Fe - 6.33 wt.% Cr alloy. The effect of temperature was more pronounced: in the case of the 4.09 wt.% Fe - 6.2 wt.% Cr alloy, it took 15 min for the size of the Ti-enriched zones to reach 125 Å, when aged at 400 °C, and 81 hours when aged at 300 °C. The change in the particle size and quantity of the precipitated ω-phase was accompanied by enrichment of the β-matrix, whose composition tended to approach that of the eutectoid. This tendency was indicated by the variation of the lattice parameter of the β-phase which, in the 4.0 wt.% Fe - 3.64 wt.% Cr alloy, changed from 3.250 kX after quenching, to 3.182 kX after 7 hours ageing at 400 °C. The results of the present investigation showed that the decomposition of the supersaturated solution in Ti-rich Ti-Fe-Cr alloys took place in the following manner:

$$\beta \rightarrow B + [\omega(\beta_{impov.}) + \beta_{enrich.}] \rightarrow \beta_{enrich.} + \omega \rightarrow \beta_{enrich.} + \alpha \rightarrow \alpha + \text{chem. compound.}$$

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33180
S/180/61/000/006/014/020
E193/E383

18.9200

AUTHORS: Ageyev, N.V., Karpinskiy, O.G. and Petrova, L.A. (Moscow)

TITLE: Stability of the beta-solid solution in titanium-iron-vanadium alloys

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo, no. 6, 1961, 127 - 129 + 1 plate

TEXT: The object of the present investigation was to study the effect of a third component (V or Fe) on the stability of the α-phase in binary Ti-Fe or Ti-V alloys. The composition of the experimental alloys is given in a table. The alloys, remelted several times in an argon-arc furnace, were hot-forged at 900 - 950 °C into rods measuring 9 x 9 x 100 mm. After machining-off the oxide skin, the rods were homogenized by a five-hour vacuum treatment at 900 °C, followed by furnace-cooling. The phase-transformations were studied by X-ray diffraction and hardness measurements. The results of examination of specimens quenched from 900 and 800 °C are given in Fig. 1, in the form of a metastable constitution diagram (the Ti, V and Fe contents

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33180

Stability of the ....

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E193/E383

are given in wt.%), alloys situated above the broken or continuous lines represent those in which the β-phase can be retained on quenching from 800 or 900 °C, respectively; decomposition of the β-phase in alloys situated below these lines cannot be prevented by quenching and the alloys in this composition range consist of β- and ω-phases. In the next series of experiments the alloys 7, 8, 9 and 10 solution-treated at 900 °C, were aged at various temperatures for various times. Typical results are reproduced in Fig. 2, showing the constitution of the Ti-3.74 Fe - 14.68 V (graph a) and Ti - 3.87 Fe - 16.68 V (graph б) alloys as a function of ageing temperature (vertical axis, °C) and time (horizontal axis, min). The continuous curves divide each diagram into the β, β+ω and α+β regions; the numbers, ascribed to the experimental points, denote the Vickers hardness number of the alloy, while the broken lines form boundaries of the maximum-hardness regions. In general, it was found that with increasing alloying-additions content, the precipitation of the ω-phase in solution-treated

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33180

Stability of the S/180/61/000/006/014/020
E193/E383

Ti-Fe-V alloys aged at 400 °C was suppressed, the (β + ω) range became narrower, the quantity and particle-size of the ω-phase decreased and the hardness of the alloy was reduced to an extent which increased with increasing V content. It would appear that in alloys with 23 - 25% V and 3 - 4% Fe, aged at 400 °C, the (α + β) structure is formed directly from the β-solid solution without passing through the intermediate (β + ω) stage. The presence of additional (satellite) reflections on Laue photographs of specimens aged at 400 °C was taken to indicate the formation (in the initial stage of the process) of two-dimensional nuclei of the ω-phase surrounded by Ti-enriched β-solid solution. The size of these nuclei, calculated from the angular displacement of the satellite reflections, was ~ 220 Å. The satellite reflections disappeared on further ageing and the Laue photographs showed the lines of ω-phase and Ti-enriched β-solid solution only. It was concluded that decomposition of the β-solid solution in Ti-Fe-V alloys took place in the following manner:

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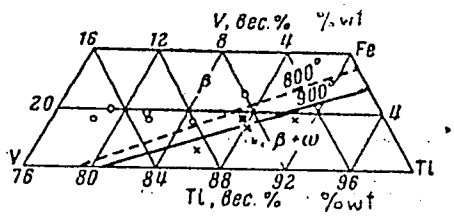
$$\beta \rightarrow \beta + [\omega(\beta_{impov.}) + \beta_{enrich.}] \rightarrow \beta_{enrich.} + \omega \rightarrow \beta_{enrich.} +$$

$$+ \alpha \rightarrow \alpha + \text{chemical compound.}$$

There are 3 figures, 1 table and 4 Soviet-bloc references.

SUBMITTED: March 3, 1961

Fig. 1:



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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

88475

18.1285

S/078/61/006/001/018/019
B017/B054

AUTHORS: Ageyev, N. V., Karpinskiy, O. G., Petrova, L. A.

TITLE: Mechanism of Decomposition of Solid β-Solution of Titanium - Rhenium Alloys

PERIODICAL: Zhurnal neorganicheskoy khimii, 1961, Vol. 6, No. 1, pp. 251 - 252

TEXT: The authors studied the mechanism of decomposition of solid β-solution of titanium - rhenium alloys by metallographic and X-ray analyses, as well as by Vickers hardness measurements. The alloys were produced at the Laboratoriya redkikh i blagorodnykh metallov i splavov Instituta metallurgii Akademii nauk SSSR (Laboratory of Rare Metals, Precious Metals and Alloys of the Academy of Sciences USSR). A figure schematically shows hardness and structure of a titanium alloy with 19.91 % by weight of rhenium, which was hardened at 900°C. The solid β-solution of the titanium alloy with 19.91 % by weight of rhenium is decomposed on heating at 400°C with separation of the ω-phase; with extension in the reaction time, the ω-phase passes over into the α-phase.

IX

Card 1/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

88473

Mechanism of Decomposition of Solid β-Solution of Titanium - Rhenium Alloys

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B017/B054

The mechanism of decomposition of solid β-solution of titanium - rhenium alloys proceeds according to the scheme $\beta \longrightarrow \beta + \omega \longrightarrow \beta + \alpha$. The increased hardness of β-alloys of titanium with rhenium is explained by a distortion of the crystal lattice of the solid β-solution. There are 1 figure and 5 Soviet references.

SUBMITTED: August 2, 1960

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

18.1285

25518

S/078/61/006/008/018/018
B127/B226

AUTHORS: Ageyev, N. V., Karpinskiy, O. G., Petrova, L. A.

TITLE: Stability of the β-phase solution of a titanium-chromium alloy

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 8, 1961, 1976-1978

TEXT: This is to continue a series of studies on the β-phase Ti-Cr alloy, and to clarify the balancing of the metastable phase and the mechanism of dissociation at 100 - 400°C. Titanium and chromium iodides were used as initial materials which contained 1% of carbon and, as gaseous additions, 0.01% of oxygen and nitrogen, and 0.001% of hydrogen. The iron and silicon content did not exceed 0.05%. The components were fused in an arc furnace with tungsten electrodes and an argon atmosphere. The alloy was kept in molten state at 900 - 950°C with intermediate heating for 5 - 15 min. The melt was tempered in a muffle furnace at 900°C for 2 hr, and then gradually cooled in the furnace. Heat treatment of the samples was carried out in quartz ampuls evacuated to a pressure of 10^{-4} mm Hg. The samples were metallographically and roentgenographically examined; hardness was determined by the Vickers method and under a pressure of 10 kg.

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The β-phase can be obtained in metastable state in melts of 9% by weight (8.4 at%) of Cr by tempering at 800 and 900°C. All other alloys containing less than 9% of Cr showed β- and ω-phase structures. For this stabilization, different values are given in publications. They are explained by the impurity of the substances used and by the different rates of tempering of the alloys. In the present case, the stability of the β-phase of alloys having 9.14 and 9.79% by weight of Cr was studied at temperatures of 100 - 400°C. The stability of the β-phase is graphically shown in Fig. 2. The solid lines comprise the structural range; the dotted ones show the range of maximum hardness, the values of which are given in figures. The β-phase dissociates as follows: $\beta \longrightarrow \beta + [\omega(\beta_{reduced}) + \beta_{concentrated}] \longrightarrow \beta_{concentrated} + \omega \longrightarrow \beta_{concentrated} + \alpha \longrightarrow \alpha$ + chemical compound. There are 2 figures, 1 table, and 12 references: 10 Soviet-bloc and 2 non-Soviet-bloc. The two references to English-language publications read as follows: Ref. 7: F. B. Cuff, N. J. Grant, C. F. Floe. Trans Amer. Inst. min. (metall). Engrs, 194, 848 (1952); Ref. 8: D. J. Me Pherson, M. G. Fontana. Trans Amer. Soc. Metals, 43, 1098 (1951).

SUBMITTED: March 6, 1961

Card 2/4

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

AGEYEV, N.V. (Moskva); KARPINSKIY, O.G. (Moskva); PETROVA, L.A (Moskva)

Stability of beta-phase solid solutions of titanium-iron-chromium alloys. Izv.AN SSSR.Otd.tekh.nauk.Met.i topl. no.5:86-89 S-O '61. (MIRA 14:10)

(Titanium-iron-chromium alloys--Metallography)
(Phase rule and equilibrium)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

AGEYEV, N.V. (Moskva); KARPINSKIY, O.G. (Moskva); PETROVA, L.A. (Moskva)

Reply to IU.A.Bagariatskii's and G.I.Nosova's letter. Izv.AN SSSR. Otd.tekh.nauk. Met.i topl. no.4:188 Jl-Ag '62. (MIRA 15:8)

(Titanium alloys--Metallography) (Bagariatskii, IU.A.) (Nosova, G.I.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 13648-65 EWT(m)/EPF(n)-2/EWP(t)/EWP(b) Pu-4 JD/JG/MLK

ACCESSION NR: AT4046210 S/0000/63/000/000/0005/0009

AUTHOR: Agayev, N. V. (Moscow); Karpinskiy, O. G. (Moscow); Petrova, L. A. (Moscow)

TITLE: Stability of β-solid solution in titanium-niobium and titanium-tungsten alloys

SOURCE: Yubileynaya konferentsiya po fiziko-khimicheskomu analizu. Novosibirsk, 1960. Fiziko-khimicheskiy analiz (Physicochemical analysis); trudy* konferentsii. Novosibirsk, Izd-vo Sib. otd. AN SSSR, 1963, 5-9

TOPIC TAGS: titanium base alloy, titanium niobium alloy, titanium tungsten alloy, beta titanium alloy, beta titanium stability, beta titanium stabilizer

ABSTRACT: The effect of niobium or tungsten on the stability of the β-phase and the mechanism of its decomposition in titanium-base alloys were studied. In titanium-niobium alloys with 36.8% Nb, a metastable β-phase can be preserved by quenching from 800C. In alloys with 34.6—36.5% Nb, quenched from the same temperature, the

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L 13648-65

ACCESSION NR: AT4046210

β-phase was found to be partially decomposed. X-ray diffraction patterns of these alloys showed, in addition to the lines of β-phase, those of the α-phase, whose quantity increases with decrease in the niobium content and in the annealing temperature. It was found, however, that even in these alloys the β-phase can be preserved by an increase in the cooling rate. No ω-phase was found. In titanium-tungsten alloys with 26.64% W, the β-phase was preserved by quenching from 800C. Alloys with 16.05% W, quenched from 800—1200C, have an α-phase structure, and alloys with 24.08—25.15% W, a β + ω-structure. In the alloy with 37.44 Nb, quenched from 900C, the β-phase begins to decompose after 100hr at 100C, 16hr at 200C, or 1 hr at 500C. The primary product of decomposition is ω-phase, which then changes to α-phase. In the alloys with 26.64% or 28.64% W, quenched from 900C, the β-phase begins to decompose after 1 hr at 300C. At 400C, the β-phase decomposes immediately, with precipitation of the ω-phase. Although it was not possible precisely to compare the stability of β-phase of Ti-W with that of Ti-Nb, there is some reason to assume that tungsten is a stronger stabilizer of the β-phase than niobium. Orig. art. has: 4 figures and 2 tables.

Card 2/3

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 13648-65

ACCESSION NR: AT4046210

ASSOCIATION: none

SUBMITTED: 10Sep63 ENCL: 00 SUB CODE: MM

NO REF SOV: 006 OTHER: 001 ATD PRESS: 3129

Card 3/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 22505-65 ASD(a)-5/ASD(m)-3/AFETR/ESD(gs)

ACCESSION NR: AT4046816 S/0000/64/000/000/0054/0056

AUTHOR: Karpinskiy, O.G.; Yevseyev, B.A.

TITLE: The crystal structure of Zr sub 5 Si sub 3

12
B+1

SOURCE: AN SSSR. Nauchny*y sovet po probleme zharoprochny*kh splavov. Issledovaniya staley i splavov (Studies on steels and alloys). Moscow, Izd-vo Nauka, 1964, 54-56

TOPIC TAGS: crystal structure, diffraction symmetry, space group, lattice parameter, unit cell, zirconium silicide

ABSTRACT: The structure of Zr_5Si_3 single crystals obtained from the flaws in zirconium alloy ingots with 18% Si by weight was investigated. The crystals were found to belong to the D_{6h} class of diffraction symmetry. It is seen from the density of Zr_5Si_3 that the unit cell has two molecules of Zr_5Si_3. The presence of systematic extinctions for type hhol reflections and geometric analysis placed the compound in the D^3_{6h} - $P6_3/mcm$ space group. An analysis of the intensity of all the observed type hko reflections was conducted in order to refine the coordinates of the zinc and silicon atoms in the unit cell. A comparison of the experimental structure amplitudes obtained by kforograms and ionization apparatus measurements showed good agreement (not above 10% deviation). The following values were obtained for the lattice parameters: $x_{Si} = 0.604$ and $x_{Zr} = 0.249$. The confidence

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 22505-65

ACCESSION NR: AT4046816

coefficient for the coordinate values was calculated to be R = 22.53%. A comparison of experimental and calculated structure amplitude values is presented in tabular form. It is shown that zuronium in the Zr_5Si_3 lattice occupies two structurally non-equivalent positions, 4(d) and 6(g). The shortest distance between the zirconium atoms in a 4-fold position is significantly less than the doubled metallic radius of zirconium and two other interatomic distances. Each of the silicon atoms is arranged internally with seven small peaks formed by the zirconium atoms, three with 6-fold positions and four with 4-fold positions. "The authors thank N. V. Ageyev, Corresponding Member of the AN SSSR, for his advice." Orig. art. has: 1 table and 1 figure.

ASSOCIATION: None

SUBMITTED: 16Jun64 ENCL: 00 SUB CODE: MM, SS

NO REF SOV: 001 OTHER: 007

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 54992-65 EWT(1)/EWP(a)/EWT(m)/EPF(n)-2/T/EWP(t)/EEC(b)-2/EWP(k)/EWP(z)/EWA(c)/EWP(b)
Pf-4/Pu-4 IJP(c) WW/JD/JG/GG

ACCESSION NR: AP5011927 UR/0363/65/001/003/0337/0339
546.831'281:548.19

AUTHOR: Karpinskiy, O. G.; Yevseyev, B. A.

TITLE: Crystallographic structure of ZrSi

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 3, 1965, 337-339

TOPIC TAGS: zirconium silicate, zirconium compound, silicate crystallographic structure, single crystal

ABSTRACT: Single crystals of ZrSi containing from 23.5 to 25.5 wt. % of Si were prepared and their crystallographic structure was studied by x-ray technique. The results agree with the literature data for ZrSi powders [H. Schachner, H. Novotny, H. Kudielka, Mh. Chem., 85, 1140 (1954)] but they differ in respect to the atomic coordinates and dimensions of the unit cell. ZrSi belongs to the rhombic system and to symmetry group D_{2h}^{16}-Pnma. The unit cell of zirconium silicide has the following dimensions: $a = 6.995 \pm 3$ Å, $b = 3.786 \pm 2$ Å, $c = 5.296 \pm 3$ Å, and is built up of four formula units. The zirconium atoms occupy the 4(c) position with lattice para-

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L 54992-65

ACCESSION NR: AP5011927

meters $x = 0.1777 \pm 1$ and $z = 0.1244 \pm 1$. The silicon atoms occupy the 4(a) position with lattice parameters $x = 0.0396 \pm 2$ and $z = 0.6300 \pm 4$. The coordination number of silicon in the ZrSi crystals is seven, and the distance between silicon and zirconium atoms varies from 2.740 to 2.875 Å. "The authors thank Corresponding Member AN SSSR N. V. Agreyev for his advice and interest in this work." Orig. art. has: 1 table and 3 figures.

ASSOCIATION: Institut metallurgii im. A. A. Baykova (Institute of Metallurgy)

SUBMITTED: 29Dec64 ENCL: 00 SUB CODE: SS

NO REF SOV: 001 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, G.G.; [illegible], B.A.

Crystalline structure of the Zr[illegible] compound. Izv. AN SSSR. Neorg. mat. 1 no.3:[illegible] Mr '65. (MIRA 18:6)

1. Institut metallurgii imeni Baykova AN SSSR, Moskva.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

L 01928-67 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AR6031853 SOURCE CODE: UR/0058/66/000/006/A066/A066

AUTHOR: Mirgalovskaya, M. S.; Sakharov, V. V.; Karpinskiy, O. G.

TITLE: Deviation from stoichiometry in gallium antimonide

SOURCE: Ref. zh. Fizika, Abs. 6A601

REF SOURCE: Sb. Simpozium. Protsessy sinteza i rosta kristallov i plenok poluprovodnik. materialov, 1965. Tezisy dokl. Novosibirsk, 1965, 22

TOPIC TAGS: crystal property, stoichiometry, crystallography, x ray analysis, x ray crystallography, x ray investigation, gallium antimonide, crystal vacancy, crystal lattice

ABSTRACT: A study was made of the effect of high vacuum on the basic properties of crystals. Results of density and precision x-ray measurements of a solid solution of gallium antimonide are presented. Assumptions are made regarding the effect of defects (vacancies) in the GaSb lattice on the basic properties of crystals. [Translation of abstract]

[SP]

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, P.

Technical standardization should be the basis of inner-plant planning. Sots. trud. 4 no.10:95-99 O '59 (MIRA 13:3)
(Steel industry--Production standards)
(Wages)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, R.B.

Find of vein kimberlites in the Yenisey Range. Mat. po geol. i pol.iskop. Kras.kraia no.3:235-237 '62. (MIRA 17:2)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

ALADYSHKIN, A.S.; VASIL'KOVSKIY, N.P.; VINKMAN, M.K.; GINTSINGER, A.B.; GURARI, F.G.; KARPINSKIY, R.B.; KRASIL'NIKOV, B.N.; KRASNOV, V.I.; KRIVENKO, A.P.; LUCHITSKIY, I.V.; PAN, F.Ya.; PETROV, P.A.; POSPELOV, G.L.; SENNIKOV, V.M.; CHAIRKIN, V.M.; SHCHEGLOV, A.P.

In memory of Andrei Aleksandrovich Predtechenskii, 1909-1964. Geol. i geofiz. no.4:197-199 '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKII, VIACHESLAV ALEKSEEVICH

KARPINSKII, VIACHESLAV ALEKSEEVICH. Obshchestvennoe i gosudarstvennoe ustroistvo SSSR. /Moskva/ Gospolitizdat, 1947. 143 p. DLC: JN6515 1947.K32

SO: LC, Soviet Geography, Part I, 1951, Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

ZAGLADA, Nadezhda Grigor'yevna, zven'yevaya, Geroy Sotsialisticheskogo Truda; LEONOV, Ivan Danilovich, Deputat Verkhovnogo Soveta RSFSR, frezerovshchik; KARPINSKIY, Vyacheslav Alekseyevich, Geroy Sotsialisticheskogo Truda; MALYSHEV, V., red.; TROYANOVSKAYA, N., tekhn. red.

[Soviet people are the builders of communism] Sovetskie liudi-tvortsy kommunizma. Moskva, Gospolitizdat, 1962. 30 p. (MIRA 15:11)

1. Kolkhoz "Pervoye maya" Zhitomirskoy oblasti (for Zaglada).
2. Leningradskiy Kirovskiy zavod (for Leonov).
(Efficiency, Industrial) (Agriculture—Labor productivity)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KAMPINSKIY, V A

N/5
102.1
.K2

KONSTITUTSIYA SSSR; UCHEBNOYE POSOBIYE DLYA 7-GO KLASSA SREDNEY SHKOLY (CONSTRUCTION OF THE USSR) MOSKVA, UCHPEDIGZ, 1952- V. ILLUS., DIAGRS., PORTS. BIBLIOGRAPHICAL FOOTNOTES. LIB. HAS: 1952
1954

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KAR[illegible], [illegible]CH.

'ow the Soviet Union is governed. Moscow, Foreign Languages Pub., 1954. 94 p. diagrs.
Bibliographical footnotes.

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102.2
.K21

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, Vyacheslav Alekseyevich, chlen Kommunisticheskoy partii, literator-propagandist.

Most humane man. Zdorov'e 6 no,4:3-4 Ap '60. (MIRA 13:8)
(LENIN, VLADIMIR IL'ICH, 1870-1924

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

SHAPIRO, Ye.A.; ZHUKOVSKIY, Ye.S.; MUSTAFABEKOVA, A.A.; MIKHAYLOV, N.D.; KOBYLYANSKIY, A.N.; KONONYKHIN, A.G.; EPSHTEYN, R.R.; KARPINSKIY, V.F.; DAVYDOVA, R.T.; TROITSKIY, V.I., red.; GOR'KOVA, A.A., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Establishing standards for material consumption and stocks in the petroleum industry] Normirovanie raskhoda i proizvodstvennykh zapasov osnovnykh materialov v neftianoi promyshlennosti. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 252 p. (MIRA 12:12)

(Petroleum industry--Standards)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

BRYUKHANOV, V.A., inzhener; KARPINSKIY, V.I., inzhener; VYSOTIN, Yu.G., inzhener.

The high degree of general mechnization in the One-Chuna Forest Industry Establishment. Mekh trud.rab. 10 no.1:20-24 Ja '56. (MLRA 9:5)

(Krasnoyarsk Territory--Lumbering--Machinery)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I.

SILIN, K.S., inzhener; KARPINSKIY, V.I.

Building bridge supports on precast tubular reinforced concrete piles. Transp. stroi. 6 no.10:24-27 O '56. (MLRA 10:1)
(Wuhan, China--Bridge construction)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I.

TAMAROV, P.B., inzh.; KARPINSKIY, V.I., inzh.

Experience in using guide frames in constructing caissonless foundations. Transp.stroi. 7 no.7:6-9 Jl '57. (MIRA 10:11)
(China--Bridge construction) (Foundations)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

SILIN, K.S.; GLOTOV, N.M.; GRETSOV, A.P.; KARPINSKIY, V.I.; PROKHOROV, A.D.; YEVGRAFOV, G.K., prof., red.; ZELEVICH, P.M., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Precast reinforced concrete tube foundations] Fundamenty opor mostov iz sbornykh zhelezobetonnykh obolochek. Pod red. G.K. Evgrafova. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 198 p. (MIRA 12:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Yevgrafov).

(Bridges--Foundations and piers)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., inzh.

Standardization of precast reinforced concrete shells. Transp. stroi. 8 no.11:25-27 N '58. (MIRA 12:1)
(Precast concrete) (Concrete piling)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., inzh.; NKELEPAYEVA, Z.A., inzh.

Constructing a bridge over the Oka River; practices of the bridge construction crew no.1 for making precast reinforced concrete foundation tubes. Transp.stroi. 9 no.6:26-30 Je '59. (MIRA 12:11)
(Oka River--Bridges--Foundations and piers)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., inzh.

Bearing capacity of reinforced concrete shell foundations of bridge supports. Trudy TSNIIS no.38:117-128 '60. (MIRA 13:11)
(Bridges—Foundations and piers)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., inzh.

Organization of research at the construction site of a bridge across the Oka River. Transp.stroi. 10 no.1:30-34 Ja '60. (MIRA 13:6)

(Oka River--Bridges, Concrete) (Building research)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., inzh.

Increasing the bearing capacity of compressed reinforced concrete construction elements. Transp. stroi. 10 no.10:40-45 O '60. (MIRA 13:10)

(Reinforced concrete--Testing)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V. I.

Cand Tech Sci - (diss) "Study of the strength of concrete in prestressed spiral band /oboyma/." Moscow, 1961. 15 pp; (Ministry of Transportation Construction USSR, All-Union Scientific Research Inst of Trans Const "TsNIIS"); 150 copies; price not given; (KL, 7-61 sup, 237)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., insh.; LIPATOV, A.F., kand. tekhn. nauk, nauchnyy red.; NEKLEPAYEVA, Z.A., inzh., red.; SUYETIN, G.A., tekhn. red.

[Concrete in a prestressed reinforced spiral band] Beton v predvaritel'no napriazhennoi spiral'noi oboime. Moskva, Orgtransstroi, 1961. 182 p. (MIRA 15:3)
(Prestressed concrete construction)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

IMIL', A.I.; KARPINSKIY, V.I.; KAPUSTIN, A.S.

Factory laboratories are guides to technical progress. Transp. stroi. 14 no.7:46 Jl '64. (MIRA 18:1)

1. Rukovoditeli laboratoriy TSentral'nogo nauchno-issledovatel'skogo instituta svyazi (for Imil', Karpinskiy). 2. Starshiy tekhnolog TSentral'nogo nauchno-issledovatel'skogo instituta svyazi (for Kapustin).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

YUDOVICH, E.Z., kand. tekhn. nauk; KARPINSKIY, V.I., kand. tekhn. nauk; PALAGIN, Ye.V., inzh.

High-strength concrete from especially quick-hardening cement. Transp. stroi. 15 no.4:47-49 Ap '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., kand. tekhn. nauk; TSIMBARG, Ye.I., inzh.; PALAGIN, Ye.V., inzh.; SUBBOTINA, V.N., inzh.; TELEZHNIKOV, N.S., inzh.

Beam spans for automobile bridges of centrifuged blocks. Transp. stroi. 15 no.5:26-28 My '65. (MIRA 18:7)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.I., kand. tekhn. nauk; DUDCHENKO, N.P., inzh.; VASILEV, Nikolay, inzh.; KOLAYDZHITSKIY, Stoyan, inzh.

Using centrifuges for making shells with longitudinal prestressed reinforcement. Transp. stroi. 15 no.11:53-55 N '65. (MIRA 18:11)

1. Ministerstvo transportnogo stroitel'stva SSSR (for Karpinskiy, Dudchenko). 2. Ministerstvo transporta Narodnoy Respubliki Bolgarii (for Vasilev, Kolaydzhitskiy).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KONOVALOV, L. P.; RAVINSKIY, A. M.; KARPINSKIY, V. M.; Engs.

Steam Boilers

Feeding scheme of boilers operating without a water caretaker, Elek. sta. 24, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V.N., inzhener.

Using hydrogen for gas-cutting metals. Elek.sta. 24 no.8:51-52 Ag '53. (MLRA 5:8)
(Metal cutting)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

KARPINSKIY, V. N.

Study of the Instrument Profile of the Big Diffraction Spectrograph of the Hill Astronomicsl Station of the Main Astronomical Observatory of the Academy of Sciences USSR

The data of the spectrograph are: collimator and camera mirror (F = 7 m, D = 15 cm). The grating of Brescher-Anderson 72 x 99 mm^2 has 589 lines per 1 mm; the dispersion is 2386 A/mm. The method of emission lines was used for observation. The resolving power of the instrument is 29260 or 53% of the theoretical power. (RZhAstr, No. 9, 1955) Byul. Komis. po Issled. Solntsa AN SSSR, No. 10, 1954, 14-17.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

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KARPINSKIY, V.N.

ANTONOV, A.V., inzhener; KARPINSKIY, V.N., inzhener.

Burning of wooden stoppers in turbine condenser pipes. Elek. sta. 25 no.10:52 O '54. (MLRA 7:11)
(Steam turbines)

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KARPINSKIY, V.N., inzhener.

Shortcomings of the plan and operational experience with electrolytic installations. Elek.sta. 27 no.4:32-34 Ap '56. (MLRA 9:8)
(Electrolysis) (Electric power plants)

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KARPINSKIY, V.N.

KARPINSKIY, V.N., inzh.

On the use of dump cars for unloading coal from railroad cars.
Elek.sta. 28 no.10:12-15 '57. (MIRA 10:11)
(Loading and unloading)

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KARPINSKIY, V.N., inzh.

Using sheds for defrosting coal in railroad gondola cars. Elek.sta. 28 no.12:9-10 D '57. (MIRA 12:3)
(Coal--Cold weather conditions) (Railroads--Freight cars)

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A001/A101

3.1250

AUTHOR: Karpinskiy, V. N.

TITLE: Monochromator of double diffraction of rays on grating for determining contours of Fraunhofer lines

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 7, 1962, 61, abstract 7A433 ("Solnechnyye dannyye", 1961, no. 1, 70 - 76)

TEXT: In part I the author describes the diffraction spectrograph of the horizontal solar telescope of the Pulkovo Observatory which makes it possible to record spectrum by the photographic or photoelectric method. In part II the double diffraction monochromator of rays on grating with photoelectric recording is described. A double optical square of two mutually orthogonal mirrors is mounted at the monochromator exit slit, which ensures repeated passage of rays through the optical system in the reverse direction. However, only rays of the narrow spectrum band pass the second time, the rest are vignetted near the double optical square. Modulation of light reflected from the double optical square and spectrum recording by a photomultiplier with an a.-c. amplifier reduced scattered

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820019-2

ACC NR: AR6019475 SOURCE CODE: UR/0269/66/000/002/0050/0051

AUTHOR: Karpinskiy, V. N.

TITLE: Method of determining the contours of solar spectrum lines with a photoelectric monochromator having double transmission

SOURCE: Ref. zh. Astronomiya, Abs. 2.51.417

REF SOURCE: Izv. Gl. astron. observ. v Pulkovo, v. 24, no. 2, 1965, 84-144

TOPIC TAGS: solar spectrum, monochromator, Frauenhofer line, photoelectric detection, krypton, tellurium

ABSTRACT: A description is given of the procedure used for determining the profiles of the Frauenhofer lines of the solar spectrum with an accuracy of a fraction of 1% of an intensity of a continuous light spectrum. It was shown that the true profile of the line can be reconstructed from an observed one with this accuracy if the spectral apparatus transmits well all the harmonic components in the spectrum with a spatial frequency smaller than $W \approx 0.265$ mA. The two-chamber diffraction solar spectrograph of the horizontal solar telescope at Pulkovo is described. The units of the spectrograph are distributed on a 9-ton reinforced concrete plate mounted on shock-absorbing supports. The jacket design provides for a decrease of air current inside the spectrograph. The random-line displacement corresponds to a radial velocity of ~ 30 m/sec. A

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