PYASKOVSKIY, D.V., professor.

Obserations of noctilucent clouds in Kiev. Astron.tsir . no.172:23 Ag '56. (MLRA 10:1)

1. Kiyevskoye Otdeleniye Vsesoyuznogo astronomo-geodezicheskogo obshchestvo.

(Clouds)

PYASKOVSKIY, D.V.

Development of astronomy at Kiev University. Ist.-astron.issl. no.1:149-188 '55. (MLRA 9:12)
(Kiev--Astronomy--History)

PYASKOVSKIY, D.V.

New method for determining the deflection of astronomical instruments. Publ.Kiev.astron.obser.no.6:39-44 '54. (MLRA 9:4)
(Astronomical instruments)

SKVORTSOV, Ye.F.; PYASKOVSKIY, D.V.

"Astronomy." E.F.Skvortsov; Reviewed by D.V.Piaskovskii. Astron. zhur.32 no.5:469-471 S-O '55. (MLRA 9:1)
(Astronomy) (Skvortsov, E.F.)

PYASKOVSKIY, D.V.

PYASKOVSKIY, D.V.

Meridian circle observations of minor planets and Uranus at Kiev Astronomical Observatory. Publ.Kiev.astron.obser. no.3:97-98 '50. (MLRA 7:9)
(Planets, Minor) (Uranus (Planet))

PYASKOVSKIY, D.V.

PYASKOVSKIY, D.V.

Study of errors in the graduation of the meridian circle of Kiev Astronomical Observatory. Publ.Kiev.astron.obser. no.4:123-133. '50. (MLRA 7:9)
(Transit circle)

PYASKOVSKIY, D.V.

"Increase of sensitivity of photographic plates after treatment with mercury vapors," Astron Zhur., 16, No. 3, 1939.

Report U-1518, 23 Oct 1951

SOV/128-59-10-2/24

18(3,4,5)

AUTHORS: Yankovskiy, A., Pyaskovskiy, I., and Kumor, I., Engineers

TITLE: Production of Magnesium Cast Iron in a Sealed Ladle While Using Magnesium Rods

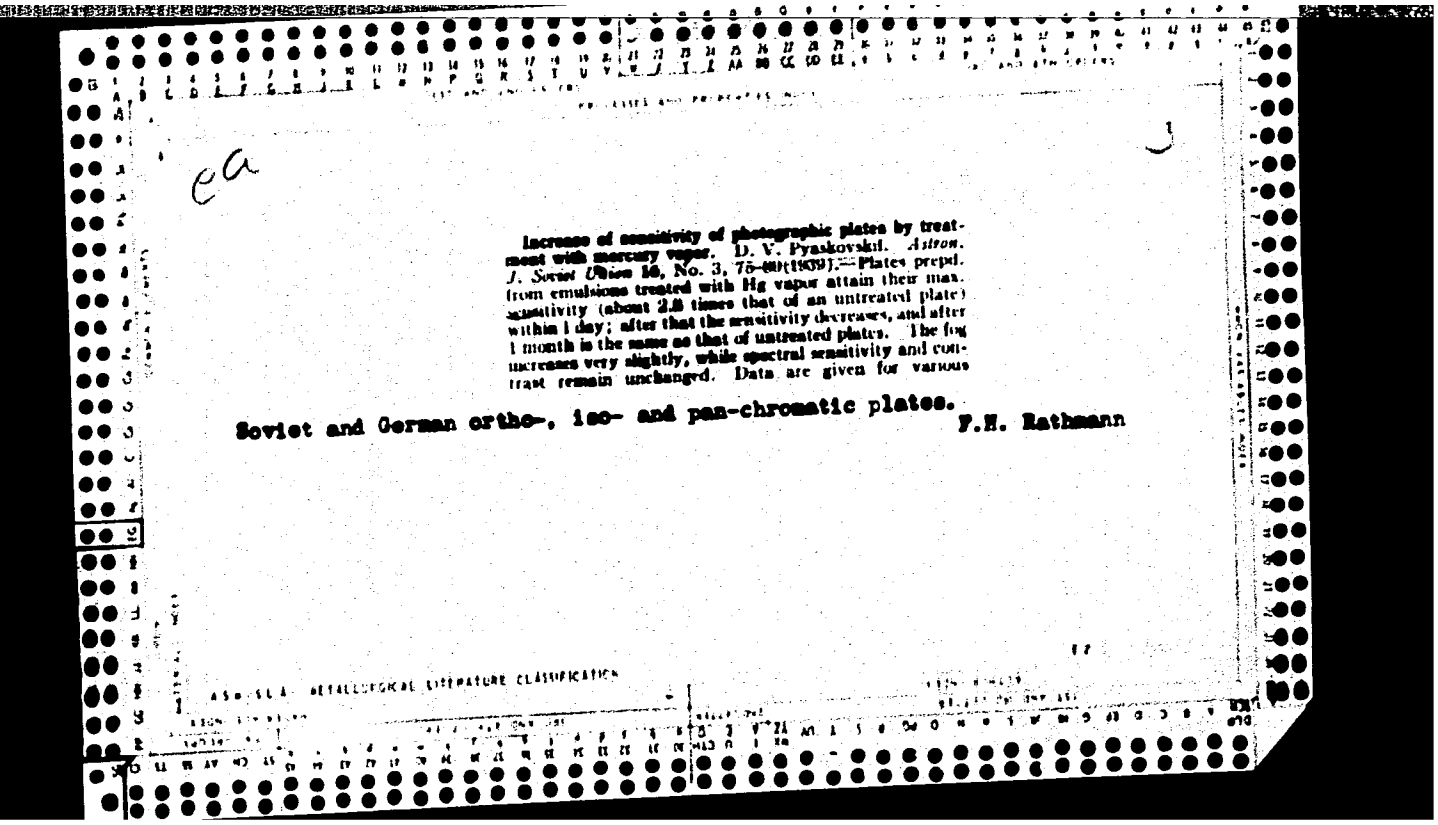
PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 10, pp 8-10 (USSR)

ABSTRACT: The authors present a report on experiences gathered in the fields of magnesium cast iron production in Poland. The report is based on the refs.1-11. A substantial improvement in the production process was reached only by using specially sealed ladles (JPK-58) (Ref.12). These ladles work at a low pressure. The sealed ladles have a capacity of 1750 kg. Fig.1 gives the layout of such a sealed ladle. #1 in the diagram is a steel bush; #2 is the flange with cover; #3 are both of the ferrite magnesium cast iron or steel sheets, #4 is the stand. The cover (3) is sealed by the fire resistant clay (5), with six bolts (6). Before the cast iron treatment, the ladles are well preheated (Fig.2). Experience showed that the results are better, if the ferrosilicon is not introduced at once, but in two or three stages. The initial cast iron - be-

Card 1/2

Production of Magnesium Cast Iron in a Sealed Ladle While Using Magnesium Rods

fore any additional elements are lead in -- has the following composition: 3.3--3.7% C; 1.5-2.2% Si; 0.4--0.6% Mn; 0.09--0.13% P; 0.06--0.1% S. With the help of the described device it is possible to obtain high quality cast irons: 1) Of type ZsP-55 pearlitic and 2) ferrite 10, according to the Polish Standard RN-53/MPM-22002. This method is already being used in several foundries in Poland. The publications of R. Radtke in Leipzig are mentioned (Refs.9-10). There are 2 diagrams, 2 graphs, 1 table and 19 references, 1 of which is Soviet, 12 Polish, 3 English, 2 German and 1 Czech.



Increase of sensitivity of photographic plates by treatment with mercury vapor. D. V. Pyaskovskii. *Astron. J. Soviet Union* 16, No. 3, 75-80(1939).—Plates prepd. from emulsions treated with Hg vapor attain their max. sensitivity (about 2.8 times that of an untreated plate) within 1 day; after that the sensitivity decreases, and after 1 month is the same as that of untreated plates. The fog increases very slightly, while spectral sensitivity and contrast remain unchanged. Data are given for various

Soviet and German ortho-, iso- and pan-chromatic plates. **F.H. Rathmann**

A.S.T.M. METALLURGICAL LITERATURE CLASSIFICATION

FYASKOVSKIY, Dmitriy Vladimirovich; YAKOVKIN, A.A., retsenzent; PLUZHNIKOV, V.Kh., dots., retsenzent; KOSTENKO, Yu.I., red.

[Course of spherical astronomy] Kurs sfericheskoi astronomii. Kiev, Izd-vo Kievskogo univ., 1964. 135 p. (MIRA 17:5)

1. Chlen-korrespondent AN Ukr.SSR(for Yakovkin).

VOL'TSINGER, N.Ye.; LABZOVSKIY, N.A.; PYASKOVSKIY, R.V.

Numerical calculation of rises of sea level at Leningrad. Trudy GOIN no.81:14-36 '64. (MIRA 17:11)

PYASKOVSKIY, R.V.

Secular variations of the salinity of deep waters in the White Sea.
Okeanologiia 3 no.1:44-48 '63. (MIRA 17:2)

1. Gosudarstvennyy okeanograficheskiy institut, Leningradskoye otdeleniye.

PYASKOVSKIY, VLADIMIR NIKOLAYEVICH

CHARNETSKIY, Georgiy Vikent'yevich, kandidat arkhitektury; PYASKOVSKIY, Vladimir Nikolayevich, kandidat arkhitektury; MURAV'YEV, B.V., kandidat arkhitektury, nauchnyy redaktor; ROTENBERG, A.S., redaktor izdatel'stva; PUL'KINA, Ye.A., tekhnicheskiy redaktor

[Planning and building dairy farms] Proektirovanie i stroitel'stvo molochnykh ferm. Leningrad, Gos.izd-vo lit-ry po stroit. i arkhit., 1957. 74 p. (MLRA 10:8)
(Dairy barns)

L 63346-65 EWA(h)/EWT(l)/T Pz-6/Peb IJP(c) AT

ACCESSION NR: AP5017322 UR/0181/65/007/007/2211/2213

19
17
B

AUTHOR: Sandomirskiy, V. B.; Pyasta, Ya. A.

TITLE: Field effect in semiconductors in the jump conductivity region

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2211-2213

TOPIC TAGS: field effect, semiconductor, conductivity

21

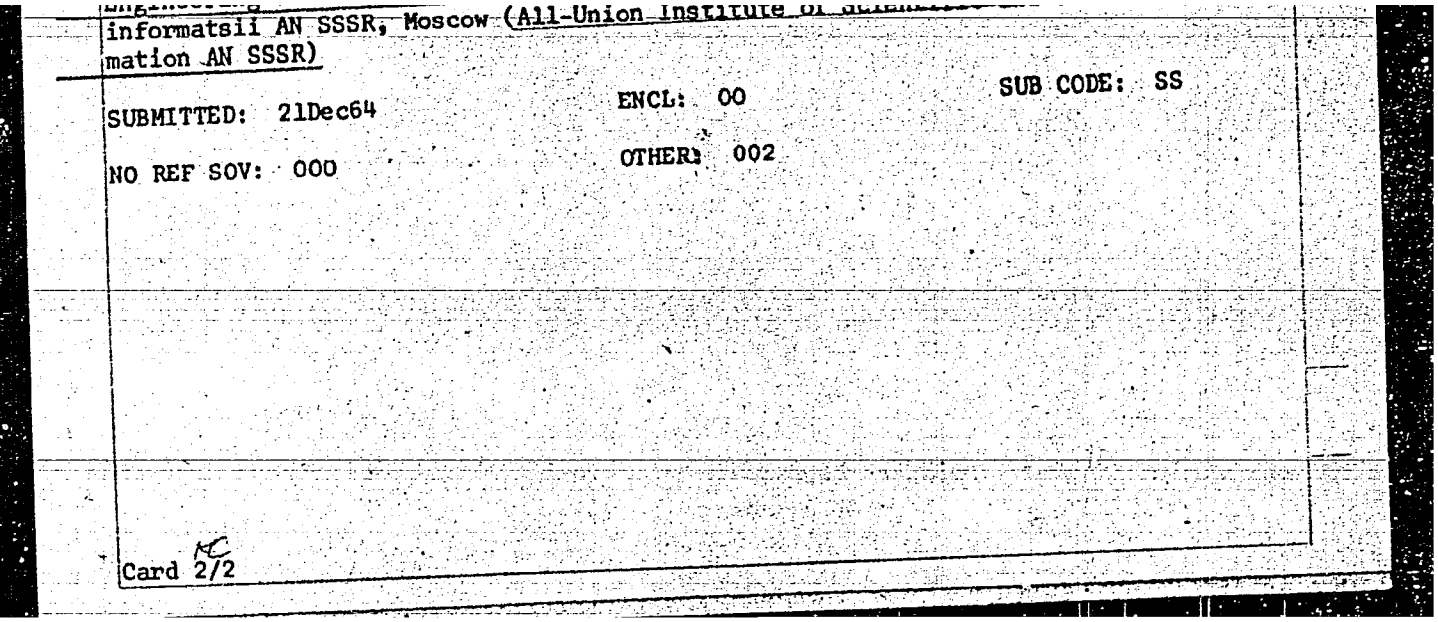
ABSTRACT: Jump conductivity in semiconductors is determined by the impurity concentration and the concentration ratio of filled and vacant impurity centers. Since this ratio changes under the action of an external field, there should be a field

Card 1/2

L 63346-65

ACCESSION NR: AP5017322

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR (Institute of Radio Engineering and Electronics AN SSSR); Vsesoyuznyy institut nauchnoy i tekhnicheskoy



informatsii AN SSSR, Moscow (All-Union Institute of Scientific and Technical Information AN SSSR)

SUBMITTED: 21Dec64 ENCL: 00 SUB CODE: SS

NO REF SOV: 000 OTHER: 002

Card 2/2

BULGAKOV, G.V.; PYASTKINA, G.A.

Cost of beer pasteurization. Spirt.prom 26 no.7:34-36 '60.
(MIRA 13:10)

(Brewing industry) (Pasteurizers)

AID P - 3769

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 11/29

Author : Pyastolov, A. A., Eng.

Title : Drying out of low capacity transformers with the zero-sequence current component

Periodical : Elek. sta., 10, 34-37, O 1955

Abstract : The author finds that the drying out of transformers with the zero-sequence current component is being more widely used because of its advantages and relative simplicity. He describes the phenomena occuring in the tested transformers of the TM-20/6, TM-100/6 and NOMI-6 types during the drying out process. Two tables, 7 diagrams.

Institution : None

Submitted : No date

BELYAYEV, V.F., gornyy inzh.; PYASTOLOV, A.V., gornyy inzh.; SAVIN, V.Ye., gornyy inzh.

Artificial means of strengthening water-saturated loose soil. Gor. zhur. no.9:28-29 S '64. (MIRA 17:12)

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

BELYAYEV, V.F., inzh.; PYASTOLOV, A.V., inzh.; SAVIN, V.Ye., tekhnik

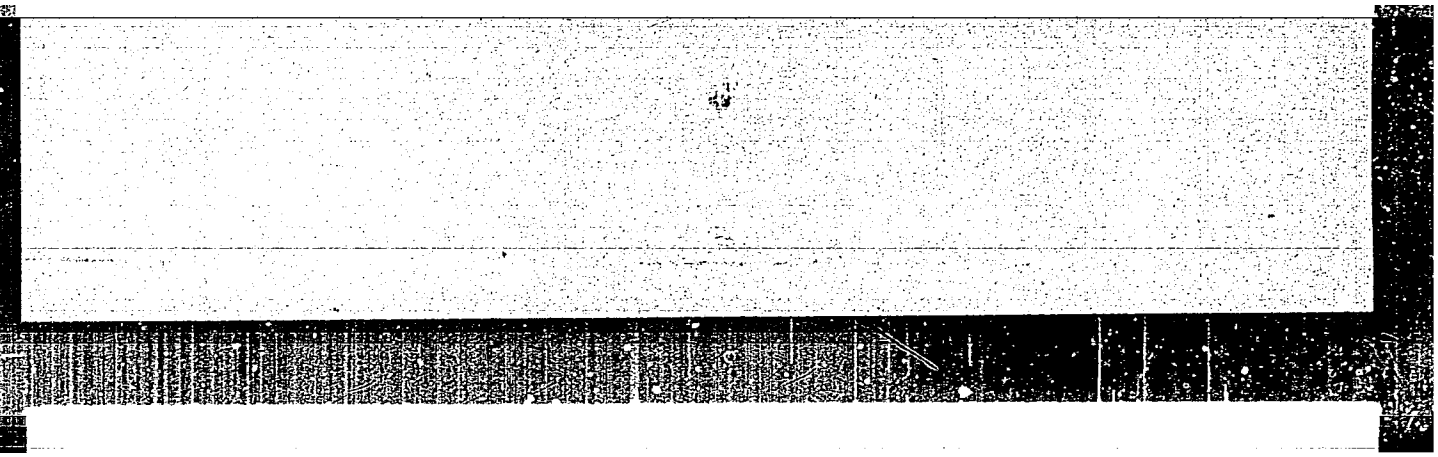
Solutions on a basis of urea formaldehyde resin for strengthening loose ground. Shakht. stroi. 8 no.9:9-11 S '64.
(MIRA 17:12)

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

PYASTOLOV, A. A.

Pyastolov, A. A. "Determination of the parameters in the drying of transformers with a zero-reactance current." Min Higher Education USSR. Moscow Inst of Mechanization and Electrification of Agriculture imeni V. M. Molotov. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya letopis', No. 27, 1956. Moscow. Pages 94-109; 111.



APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343720009-2"

Dependence of the current and voltage when drying transformers on the rated output. (Cont.) 104-2-17/38

power transformers the drying current is usually less than the rated current of the winding and, therefore, there is no risk of overheating the windings.

There are 4 tables.

AVAILABLE:

Card 2/2

PYASTOLOV, A.A.

Methods for calculating windings for the repair of electric machinery and transformers. Izv. vys. ucheb. zav.; elektromekh. 1 no.5:116-120 '58. (MIRA 11:8)
(Electric machinery--Maintenance and repair)
(Electric transformers--Maintenance and repair)

PASHIN, A.I., inzh.; PYASTOLOV, A.A., kand. tekhn. nauk

Heating of power transformers using zero-sequence currents.
Elek. sta. 36 no.12:77 D '65. (MIRA 18:12)

PYASTOLOV, A.A., kand. tekhn. nauk (Chelyabinsk)

Optimum temperature for burning-out electric motors. Energetik 13 no.8:18-19 Ag '65. (MIRA 18:9)

PIASTO[illegible], [illegible], kand. tekhn. nauk (Chelyabinsk), YUNSHIN, V.V., inzh.
([illegible])

Features of using distribution transformers in rural electrical systems. Energetik 13 no.6:1-3 Je '65. (MIRA 18:7)

POPOV, Ye.P., inzh.; PYASTOLOV, A.A., kand. tekhn. nauk, dotsent; BANNIKOV, Yu.I., inzh.

Study of the drying of single-phase OMS transformers using a zero sequence circuit. Izv. vys. ucheb. zav.; energ. 7 no.11: 16-22 N '64 (MIRA 18:1)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva. Predstavlena kafedroy proizvodstva i raspredeleniya elektroenergii v sel'skom khozyaystve.

POPOV, Ye.P., inzh.; PYASTOLOV, A.A., kand. tekhn. nauk

Drying of transformers with aluminum windings. Elek. sta. 35 no.2:56-60 F '64. (MIRA 17:6)

PYASTOLOV, A.A., kand. tekhn. nauk

Use of electrical machinery in agriculture. Vest. elektroprom. 34 no.3:56 Mr '63. (MIRA 16:8)

(Electric driving) (Farm mechanization)
(Agricultural machinery—Electric driving)

PYASTOLOV, A.A.; KABANOV, I.D.; SERDYUK, V.I.; CHERNOPYATOV, N.I.; KURGANOVA, M.A., red.; BALLOD, A.I., tekhn. red.

[Guide to the repair of electrical equipment] Praktikum po remontu elektrooborudovaniia. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 167 p. (MIRA 15:5)
(Electric machinery--Maintenance and repair)

BELYAYEV, V.F., inzh.; SUMENKOV, N.S., inzh.; PYASTOLOV, A.V., inzh.; SAVIN, V. Ye., inzh.

Reinforcement of rocks to control deformations of the benches and slopes of strip mines. Shakht. stroi. 8 no.5:4-7 My'64 (MIRA 17:7)

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

BELYAYEV, V.F., gornyy inzh.; PYASTOLOV, A.V., gornyy inzh.; SUMENKOV, M.S., gornyy inzh.; SAVIN, V.Ye., gornyy inzh.

Technical and economic estimation of the possibility of using artificial means of supporting rocks. Gor. zhur. no.9:26-27 S '62. (MIRA 15:9)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti, Sverdlovsk.
(Strip mining) (Mine timbering)

REPP, K.Yu., inzh.; TUNGUSKOVA, E.A., inzh.; FYASTOLOV, A.V., inzh.; SHALAKHIN, K.S., kand.tekhn.nauk

Relative durability of cements subjected to the corrosive influence of copper pyrite mines in the Urals. Shakht. stroi. 5 no. 1:17-19 Ja '61. (MIRA 14:2)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti.
(Cement--Corrosion) (Pyrites)
(Ural Mountain region--Copper mines and mining)

PYASTOLOV, A.V.

[illegible], I.N., [illegible]; PYASTOLOV, A.V., [illegible].

Using precast reinforced concrete timbering in the Degtyarsk Mine. Shakht. stroi. 5 no. 2:22 F '61. (MIRA 14:2)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti.
(Mine timbering)

PYASTOLOV, N. Ye., mostovoy master (st. Ursat'yevskaya, Tashkentskoy dorogi)

New design of the packaged rail unit. Put' i put. khoz. 6 no.9:33 '62. (MIRA 15:10)

(Railroads—Rails)

PYASTOLOV, V.I.; PETROV, O.A.

Experience in the operation of the MTR-77 protection system.
Ugol' 39 no.10:48-50 O '64. (MIRA 17:12)

1. Chelyabinskiy politekhnicheskiy institut.

PETROV, O.A., inzh.; PYASTOLOV, V.I., inzh.

Using arc suppression coils in 6 kv circuits in mines.
Ugol' 40 no.11:30-31 '65. (MIRA 18:11)

PYASTUNOVICH, S.

Arbiter settles the question. Izobr.i rats. no.1:51-52 Ja '61.
(MIRA 14:1)

1. Gosudarstvennyy arbitr Gosarbitrazha pri Sovete Ministrov RSFSR.
(Arbitration, Industrial)

KRYLOV, B.S.; PYATACHKOV, B.I.; ROMANOVA, T.M.; SKRYABIN, Ye.I.

Drying of insulation slabs made from peat. Torf.prom. 40 no.5: 25-28 '63. (MIRA 16:8)

1. Ivanovskiy energeticheskiy institut imeni V.I.Lenina.
(Peat--Drying) (Insulating materials)

PYATACHKOV, B.I., kand.tekhn.nauk, dotsent

Experimental investigation of the drying process of lump peat.
Sbor.nauch.trud.IEI no.10 pt.2:62-72. '62. (MIRA 16:9)

PYATACHKOV, B.I.

D.M.Levin's book "Thermodynamic theory and design of drying installations." Reviewed by B.I.Piatachkov. Koks i khim. no.2:53 '60. (MIRA 13:5)

(Drying apparatus)
(Levin, D.M.)

BAZHENOV, A.P.; KUZINA, T.M.; PYATACHKOV, B.I.; ROMANOVA, T.M.

"Heat using equipment in the cotton industry" by V.P.Samoilov. Reviewed by Bazhenov and others. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:160-162 '63. (MIRA 16:4)

1. Ivanovskiy energeticheskiy institut imeni Lenina.
(Cotton manufacture—Equipment and supplies)(Heat engineering)
(Samoilov, V.P.)

VYSHEGORODTSEV, Ya.S.; MOROZOV, B.I.; ZAYTSEV, Yu.A.; PYATAKHINA, T.T.; MIKHAILEV, V.P.

Improving the packing system of the 260-11-1(2) centrifugal pump. Gaz. prom. 10 no.1:49-51 '65. (MIRA 18:1)

PYATAKOV, A.

For the development and effectiveness of international legal labor regulation. Sots. trud 8 no.5:42-50 My '63.
(MIRA 16:6)

(International Labor Organization)

PYATAKOV, A.

Lenin's collection on labor law ("On labor legislation" by V.I.Lenin. Reviewed by A.Piatakov). Sots.trud 5 no.4:151-155 Ap '60. (MIRA 13:9)

(Lenin, Vladimir Il'ich, 1870-1924)
(Labor laws and legislation)

NOVIKOV, S.S.; SHVEKHGEYMER, G.A.; PYATAKOV, N.F.

Interaction of β-nitro alcohols and ethoxyacetylene. Izv. AN SSSR. Otd. khim. nauk no.2:375-376 F '61. (MIRA 14:2)

1. Institut organicheskoy khimii im.N.D.Zelinskogo AN SSSR.
(Alcohols) (Ether)

L 37234-66 EWT(m)/T/EWP(w)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6016590 (A) SOURCE CODE: UR/0129/66/000/005/0029/0031

AUTHOR: Pyatakova, L. L.

40
35
B

ORG: none

TITLE: Increasing the durability of the important parts of tractors

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 5, 1966, 29-31

TOPIC TAGS: vehicle component, durability, engine crankshaft, tracked vehicle, boron steel, steel, carbon steel, tractor, hardness, durability, brittleness/ T-100 M tractor, T-130 tractor, DET-250 tractor, K-700 tractor, DT-54 tractor, DT-75 tractor, T-4 tractor, 35RL boron steel, 40GR boron steel, 45R boron steel, 45G2 steel, 40G steel

ABSTRACT: The use of boron steels to improve the durability of important parts is studied. A sharp increase in the depth of the hardened zone is achieved with a boron content of 0.002% (see Fig. 1). The tests showed that the use of 45R steel for crank

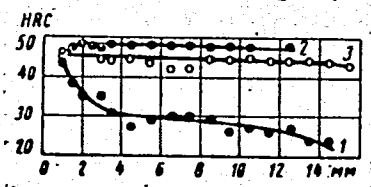


Fig. 1. Effect of boron on hardness distribution over cross section of tooth of driving wheel of tractor: 1 - 0.37% C + 0.6% Mn; 2 - same as 1 + 0.002% B; 3 - same as 1 + 0.005% B.

Card 1/2

UDC: 669.14-669.781

L 37734-66

ACC NR: AP6016590

5

shafts of tractors made it possible to replace the 45G2 steel without reducing the depth and hardness of the layer. Boron steel 40GR has an even better set of properties. It is used for the caterpillar track shoes of the T-100M and T-130 tractors. The use of 35RL, 40GR, and 45R boron steels instead of carbon alloys and 45G2 and 40G steels made it possible to increase substantially the technological and performance characteristics of machine parts. The use of 40GR steel for caterpillar tractor tracks, because of its high mechanical properties and cold resistance, provided a saving of 500 000 rubles and increased the strength of the parts. Orig. art. has: 1 graph and 2 tables.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 pb

KUSHKINA, R.I., red.; SOLDATOV, V.A., red.; PYATAKOVA, N.D., tekhn. red.

[National economy of the R.S.F.S.R. in 1962; statistical yearbook] Narodnoe khoziaistvo RSFSR v 1962 godu; statisticheskii ezhegodnik. Moskva, Gosstatizdat, 1963. 607 p. (MIRA 16:12)

(Russia—Statistics)

PYATALOVA, L.V.

Means for automating stationary compressor systems. Prom. energ. 20 no.7:50-51 Jl '65. (MIRA 18:12)

TSARAPKIN, L.S.; PORYADKOVA, N.A.; LABZINA, N.G.; ALEKSEYEVA, S.I.; PYATENKO, V.S.

Study of the processes of cellular restoration from primary cytogenetic injuries. Vest. AMN SSSR 20 no.9:26-32 '65. (MIRA 18:11)

1. Institut meditsinskoy radiologii AMN SSSR, Obninsk.

PYATETSKIY, G.Ye.

Potential silvicultural productivity of Karelian bogs. Uch. zap. Petrozav. gos. un. 12 no.2:114-131 '64. (MIRA 18:7)

NESMEYANOVA, T.N.; PYATETSKIY-SHAPIRO, I.I.; SHIK, M.L.

Study of the activity of motor units in intact, spinal and deafferentiated dogs. Biofizika 10 no.2:317-323 '65. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR, Moskva i Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR, Moskva.

L 60454-65 EWT(d) IJP(c)

ACCESSION NR: AP5007556 S/0020/65/160/005/1039/1041

AUTHOR: Bryzgalov, V. I.; Pyatetskiy-Shapiro, I. I.; Shik, M. L.

TITLE: Two-level model of automation interaction

SOURCE: AN SSSR. Doklady, v. 160, no. 5, 1965, 1039-1041

TOPIC TAGS: cybernetics, mathematical model, computer simulation, automation, artificial organ, game theory

ABSTRACT: This paper is devoted to the study of a system of automata, whose overall behavior is modified by some device so that the conduct of the automata in a game can be prescribed. A symmetric game is modeled on a computer. In the game a system

Card 1/3

L 60454-65

ACCESSION NR: AP5007556

2

0.8, depending upon the behavior of the automata in the game. Device *B* must work out the details of a strategy where the average number of automata making move 1 is equal to a previously selected number θ_0. The paper describes in detail the work

ASSOCIATION: none

Card 2/3

L 60454-65

ACCESSION NR: AP5007556 O

SUBMITTED: 18Aug64 ENCL: 00 SUB CODE: DP, MA

NO REF SOV: 009 OTHER: 001

Card 3/3

S/103/60/021/04/03/007
B014/B014

AUTHOR: Pyatnitskiy, G. I. (Moscow)

TITLE: The Effect of Steady Random Processes Upon Automatic Control Systems Containing Elements With Strongly Marked Nonlinearity

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 21, No. 4, pp. 474-480

TEXT: In the present paper the author suggests an approximate ansatz for problems of statistical calculation of nonlinear systems. It is necessary to estimate the applicability of the methods of statistical linearization for certain classes of automatic control systems. The specific features of the above-mentioned problem are discussed with the help of the circuit diagram shown in Fig. 1, which includes a feedback. A steady random process x(t) is assumed to act at the output of the circuit, and the problem consists in the calculation of the dispersion and expectation of the process y(t) at the output. It is assumed that the process z(t), which is a superposition of the input signal x(t) over the feedback signal w(t), has a normal two-dimensional distribution law. Thus, it is possible to apply statistical linearization, and the principal equations

The Effect of Steady-Random Processes Upon Automatic Control Systems Containing Elements With Strongly Marked Nonlinearity

S/103/60/021/04/03/007
B014/B014

are set up. Formulas are derived for the expectation, and dispersion at the output of the system, as well as for the correlation functions. The correlation function, which is calculated from the integral equation (10), is solved by an extensive development leading to the integral (29). Furthermore, formulas (30) and (31) are derived for the calculation of the expectation and dispersion. From this it results that the method of statistical linearization yields first solutions of the above-mentioned problem. Approximation may converge very well under certain conditions. Calculations by means of the above-mentioned formulas may be carried out by modern computers. The author thanks Docent R. L. Stratonovich for his valuable advice. There are 1 figure and 4 Soviet references.

SUBMITTED: June 22, 1959

√C

Card 2/2

S/103/60/021/05/05/013
B007/B011

AUTHOR: Pyatnitskiy, G. I. (Moscow)

TITLE: Effect of Random Processes on Discontinuous Control Systems

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 21, No. 5, pp. 585 - 594

TEXT: The complex of problems belonging to the statistical calculation of discontinuous control processes is dealt with here. The investigation is based on the spectral representation of steady random processes with a discrete argument (Ref. 9). Proceeding from the relation between the spectrum of the continuous process and of the discrete process related thereto, it is found that under equal conditions the dispersion at the output of a pulse system will be greater as compared with an equivalent continuous system. This is shown to be the consequence of the high-frequency parts of the spectrum of the process at

Card 1/2

the output being converted into a low-frequency range due to the pulse element. With the aid of formulas obtained for the dispersion at the output of the steady system, calculations can be made for the action of a nonsteady process. The following was found by examining the action of the steady process on a discrete system containing a nonlinear element: The method of statistical linearization can be also applied to the discrete case, with the calculation method remaining the same as in continuous systems (Ref. 13) (method of statistical linearization by I. Ye. Kazakov). A paper by V. S. Krapivin (Ref. 12) is mentioned. There are 2 figures, 2 tables, and 14 Soviet references.

SUBMITTED: April 13, 1959

Card 2/2

FARFOROVSKIY, B.S.; PYATOV, Ya.N.; VINOGRADOV, B.A., insh., nauchnyy red.; KAPLAN, M.Ya., red.izd-va; PUL'KINA, Ye.A., tekhn.red.

[Design of coolers for industrial water-supply systems] Proektirovanie okhladitelei dlia sistem proizvodstvennogo vodosnabzheniia. Leningrad, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 170 p. (MIRA 13:7)
(Water supply, Industrial) (Cooling)

112-57-8-16451D

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 8, p 60 (USSR)

AUTHOR: Pyastolov, A. A.

TITLE: Parameter Measurements When Drying Transformers by Zero-Phase-Sequence Current (Opredeleniye parametrov pri sushke transformatorov tokom nulevoy posledovatel'nosti)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to Mosk. in-t mekhaniz. i elektrifik. s. kh. (the Moscow Institute of Mechanization and Electrification of Agriculture), Moscow, 1956.

ASSOCIATION: Mosk. in-t mekhaniz. i elektrifik. s. kh. (the Moscow Institute of Mechanization and Electrification of Agriculture)

Card 1/1

SHVARTS, S.S.; BOL'SHAKOV, V.N.; PYASTOLOVA, O.A.

New data on various methods of the adaptation of animals to the change of environment. Zool. zhur. 43 no.4:483-487 '64. (MIRA 17:8)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.

PYASTSKAYA, YE.N.

BIRKOVSKIY, Yu.Ye.; PYASTSKAYA, Ye.N.; STUHMAN, I.Ya.

Epidemiological effectiveness of the dispensary method in the treatment of dysentery. Zhur.mikrobiol.epid. i immun. 28 no.3: 23-27 Mr '57. (MLRA 10:6)

1. Iz Kiyevskogo instituta epidemiologii, mikrobiologii i gigiyeny
(DYSENTERY, BACILLARY, therapy
dispensary methods (Rus))

LIBENSON, S.S.; PYATA, V.I.

Irrigation of the northern steppe zone of Krasnodar Territory. Sakh. prom. 33 no.2:55-56 F '59. (MIRA 12:3)

1.Giprosakhar (for Libenson). 2.Krasnodarskiy giprovodkhoz (for Pyata).

(Krasnodar Territory--Sugar beets)
(Krasnodar Territory--Irrigation)

KRYLOV, B.S.; PYATACHKOV, B.I.; ROMANOVA, T.M.

Principal factors bearing on the drying of peat-insulating slabs. Inzh.-fiz. zhur. no.10:56-61 O '64. (MIRA 17:11)

1. Energeticheskiy institut imeni Lenina, Ivanovo.

PYATAKOV, A.; PLETENEV, P.; Chos, S.; SEDOV, B.; SAAKOV, M.; ORLOVSKIY, Yu.; KARASINA, N.; MAMIOFA, I., inzh.

Discussing the draft of the "Basic Principles of the Labor Law of the U.S.S.R. and the Union Republics". Sots.trud 4 no.11:12-32 N '59. (MIRA 13:4)

1. Direktor Krasnopresnenskogo sakharorafinadnogo zavoda (for Chos). 2. Predsedatel' zavkoma profsoyuza Krasnopresnenskogo sakharorafinadnogo zavoda (for Sedov). 3. Zamestitel' zaveduyushchego otdelom truda i zarabotnoy platy TSentral'nogo komiteta profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti (for Saakov). 4. Institut prava AN SSSR (for Orlovskiy). 5. Institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Karasina). 6. Leningradskiy oblastnoy sovet Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Mamiofa).

(Labor laws and legislation)

BELOKOPYTOV, I.Ye.; BERESNOVICH, V.V.; BERSHADSKIY, L.S.; VEYTS, L.F.; ZHUKOV, A.G.; IVASHECHKIN, N.V.; KUZHMAN, G.I.; LASHNEV, I.A.; MURASHOV, F.G.; NIKODIMOV, P.I.; PYATAKOV, L.V.; SAMSONOV, N.N.; SEMENSKIY, Ye.P.; SINITSYN, N.A.; SOLOPOV, S.G.; STRUKOV, B.I.; STEBIKHOV, M.I.; TSUPROV, S.A.; CHERNOV, A.A.; CHULYUKOV, M.A.

Ivan Aleksandrovich Monakin. Torf. prom. 37 no. 3:37 '60.
(MIRA 14:1)

(Monakin, Ivan Aleksandrovich, 1908-1960)

PYATAKOV, L.V., inzh.

Complete mechanization in peat enterprises of the Moscow Province Economic Council. Torf. prom. 38 no.5:3-5 '61. (MIRA 14:10)

1. Mosoblsovnarkhoz.
(Moscow Province--Peat machinery)

5(3)

AUTHORS: Shvekhgeymer, G. A., Pyatakov, N. F., Novikov, S. S. (Moscow) SOV/74-28-4-6/6

TITLE: Synthesis and Reactions of Aliphatic Nitroalcohols (Sintez i reaktsii alifaticheskikh nitrospirtov)

PERIODICAL: Uspekhi khimii, 1959, Vol 28, Nr 4, pp 484-518 (USSR)

ABSTRACT: In this paper an attempt is made to summarize the data on the chemistry of nitroalcohols published in the technical literature. To begin with the author reports on the preparation methods of nitroalcohols. The method most thoroughly investigated and most frequently used is the condensation of carbonyl compounds with nitroparaffins (Refs 1 - 39, 41, 42, 50). Moreover, nitroalcohols can be obtained by the reaction of silver nitrite with halide hydrines (Refs 24, 43 - 45), by the effect of nitrogen oxides (Refs 46 - 60) and HNO_3 (Refs 48, 44) on olefins, and from α-oxides (Refs 61 - 65). Nitroalcohols could be obtained only in two cases in the nitration of alcohols (Refs 66, 67), otherwise, nitroalkanes are formed as main reaction products. A number of nitroalcohols were synthesized

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by the selective redution of the nitrocarbonyl compounds and the esters of nitric acids (Refs 68, 69). Halide--nitroalcohols containing the halide at the carbon atom connected with the nitro group can be reduced up to nitroalcohols in the presence of palladium and pyridine attached to barium sulphate (Refs 70, 71, 73). A great number of 2-nitropropanedioles-1,3 substituted by the p-nitrophenyl (Ref 73) or arylazo group (Ref 74) were synthesized in an acid medium by the decomposition of the dioxanes obtained from aldehydes or ketones and corresponding 2-nitropropanedioles-1.3. The effect of alkaline agents on trioles and dioles is also worth mentioning (Refs 70, 75). In the second part of this survey the author deals with the reactions of nitroalcohols. Numerous papers are devoted to the methods of esterification of nitroalcohols (Refs 39, 40, 68, 76 - 116). Moreover, the preparation of acetals and ketals (Refs 83, 117 - 121), the reaction with ammonia and amines (Refs 122 - 133), the reaction with amines and formaldehydes (Refs 134 - 136), the oxidation of the hydroxyl group into the carbonyl group (Refs 137 - 140), and the substitution of hydroxyl by a

chlorine atom (Refs 18, 22 - 24, 102, 108, 141, 142) are described. Duden and Ponndorf discovered a spontaneous dehydration of nitroalcohols (Ref 37) which was later on confirmed and investigated by other authors (Refs 15, 138, 143 - 163). So far ether could not directly be obtained from nitroalcohols. But there are some indirect methods which were described in the papers 159 and 164 - 169. K- and Na-salts of nitroalcohols are formed already during the synthesis of nitroalcohols (Ref 41), moreover, with the decomposition of glucoles by the effect of alkali metal-alcoholates (Refs 70, 75, 130). Finally, they can be obtained by the effect of alcoholates of alkali metals or caustic lye on nitroalcohols (Refs 71, 172 - 175). There are no data in publications on the preparation of C-halogen derivatives of nitroalcohols by a direct substitution of the hydrogen atoms at the carbon atoms by halogen. In all cases the effect of the corresponding halogen on the sodium or potassium salt of nitroalcohol is used instead (Refs 70, 75, 139, 171, 173, 176, 177). Moreover, the reactions with aromatic aldehydes (Ref 178), the decomposition of 2-nitro-2-methylolpropanediol-1,3,

nitroglycols and nitroalcohols (Refs 37, 40, 70, 72, 75, 130, 171, 177, 179), the effect of phenyl diazonium chloride (Refs 175, 176) and the reduction of nitroalcohols (Refs 31, 58, 70, 123, 166, 180 - 190) are described. In conclusion, 3 reactions are mentioned: 1) The synthesis of 3,5-dinitrooctane by the interaction of nitrobutane with 2-nitrobutanol-1 in the presence of $(C_2H_5)_2NH$ in CHCl and after removal of water (Ref 191). 2) Only one case is known of C-alkylation of nitroalcohols. In 1924, 2-nitro-2-chloropropanol was synthesized by the reaction CH_3J with the Na-salt of 2-nitro-2-chloroethanol in boiling methanol (Ref 148). 3) It was shown in reference 192 that the K-salt of dinitroethanol combines with acrylate and esters of the β, β'-dinitro-δ-oxyvalerianic acid are formed. The enclosed table shows the properties of some aliphatic nitroalcohols. There are 1 table and 309 references, 7 of which are Soviet.

NOVIKOV, S.S.; SHVEKHGEYMER, G.A.; PYATAKOV, N.F.

Addition of nitrile chloride to acrylic and methacrylic acids and their derivatives. Izv.AN SSSR.Otd.khim.nauk no.5:914-915 My '61. (MIRA 14:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Nitriles) (Acrylic acid) (Methacrylic acid)

POLIVANOV, V.V.; IL'IN, V.V.; IZ"YUROV, A.V.; POGUDINA, R.V.; PYATAKOV, N.I.

Feeder of the UEMV-100 electron microscope. Prib.i tekh.eksp. no.5:147-151 S-O '60. (MIRA 13:11)

(Electron microscope)

PYASKOVSKAYA-FESENKOVA, Ye. V.

"Atmospheric polarization of day light at dry and humid aerosols."

paper presented at the Atmospheric Radiation Symp, Leningrad, 5-12 Aug 64.

S/276/63/000/001/005/028
A006/A101

AUTHORS: Pyatakova, L. L., Iskhakov, S. S., Shitov, A. P., Miroshnikova, K.Ye.

TITLE: On the mechanism of the effect of some elements upon the properties of carburizing steel

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 1, 1963, 35, abstract 1B176 (In collection: "Novoye v metalloved. i tekhnol. term. obrabotki stali", Chelyabinsk, 1962, 7 - 23)

TEXT: The authors analyzed in detail the mechanical, technical and, in some cases, the operational properties of silico-manganese-base steel containing in %: C 0.15 - 0.24; Si 0.8 - 1.30; Mn 1.50 - 2.00 with admixtures of V, Cu, W, B, Ti, Cr, and Mo. An analysis is made of the location of the martensite point, the ability of cementation, hardenability, mechanical properties, and some parameters determining the behavior of steel under operational conditions. As a result of the investigation performed, it was established that the use of silico-manganese-base steel with Mo or W admixtures for the manufacture of gears instead of chrome-nickel steel, yields not only a high economical effect but raises

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On the mechanism of the effect of...

S/276/63/000/001/005/028
A006/A101

the operational properties of the gears. There are 5 figures, 6 tables and 12 references.

T. Kislyakova

[Abstracter's note: Complete translation]

Card 2/2

LYAKHOVICH, L.S.; PYATKOVA, L.L.

Effect of boron on the grain size of medium carbon steel. Izv. vys. ucheb. zav.; chern. met. no.8:120-127 '60. (MIRA 13:9)

1. Chelyabinskiy politekhnicheskiy institut.
(Boron steel—Metallography)

S/148/60/000/008/008/018
A161/A029

AUTHORS: Lyakhovich, L.S.; Pyatakova, L.L.

TITLE: The Effect of Boron on the Grain Size of Medium-Carbon Steel

PERIODICAL: Izvestiya vyssikh uchebnykh zavedeniy. - Chernaya metallurgiya, 1960, No. 8, pp. 120 - 127

TEXT: The effect of boron on some steel properties is not yet sufficiently studied and the conclusions drawn in some works are contradictory (Refs. 1 - 6, 7, 8, 9, 10). The investigation described was carried out with different boron contents and different preliminary oxidation of steel by titanium. Steel was smelted in laboratory, and open-hearth steel from Zlatoustovskiy metallurgicheskiy zavod (Zlatoust Metallurgical Works) was also used. Boron was added with ferroboral (6.75% B; 4.85% Si; 5.5% Al; 0.06% C; 0.04% S, remainder Fe) after deoxidation with aluminum. The chemical composition of all samples contained 0.070 - 0.020% Cr; 0.09 - 0.12% Ni and an equal quantity of Al. The article includes microphotographs (Fig. 1). In the authors' opinion boron addition drastically changes the nature (and maybe also the quantity) of the nonmetallic phase, boron compounds appear and the quantity of other inclusions decreases. Appar-

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The Effect of Boron on the Grain Size of Medium-Carbon Steel

ently, the boron compounds dissolve more easily in austenite grain at heating. The distribution of boron in grain and on the boundaries is uneven, and this explains the large difference in the size of separate grains. Titanium addition seems to change the nature of boron phases making them more stable and inhibiting growth. It is also possible that titanium simply raises the quantity of stable compounds preventing growth. The following conclusions were drawn: 1) Boron addition to medium-carbon steel raises considerably the tendency to growth of austenite grain and causes "heterograinity". 2) Additional deoxidation of steel by titanium reduces the effect of boron on austenite grain growth in the studied temperature range (860 to 1,300°C). The effect of titanium is strongest at low boron content, and drops with growing boron content. 3) The experimental results prove that preliminary deoxidation of boron-containing steel by titanium is necessary to obtain steel with fine grain. There are 7 figures, 3 tables and 11 references: 8 Soviet and 3 English.

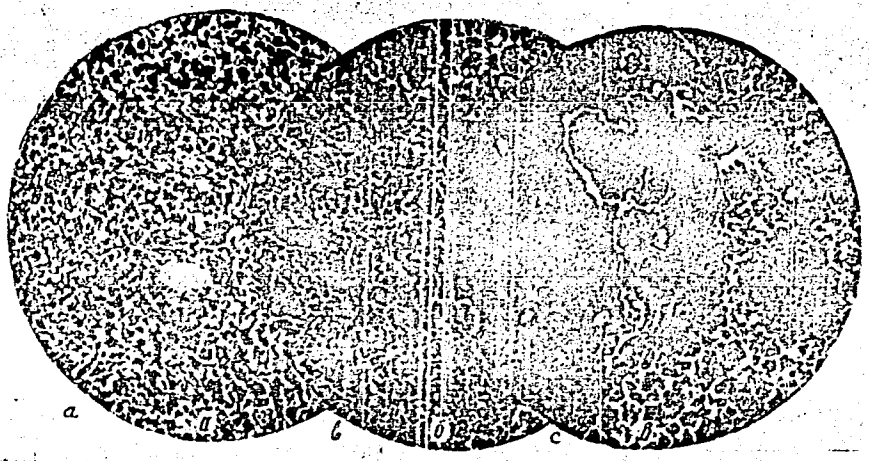
ASSOCIATION: Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnical Institute)

SUBMITTED: July 9, 1959

S/148/60/000/008/008/018
A161/A029

The Effect of Boron on the Grain Size of Medium-Carbon Steel

Figure 1. The Effect of Boron on the Grain Size of Austenite in Heating Steel to 930°C and Holding it for 3 Hours. a - without boron; b - 0.0013% B; c - 0.003% B. x 100.



Card 3/3

RAPPOPORT, Moisey Genrikhovich; DROZDOV, Boris Mikhaylovich; VIN'KOV, M.P., red.; POLOSINA, G.V., red.; KAPRALOVA, A.A., tekhn. red.; PYATAKOVA, N.D., tekhn. red.; PYATAKOVA, N.D., tekhn. red.

[EV 80-3 electronic computer]Elektronnyi vychislitel' EV 80-3; ekspluatatsionnye svoistva i nekotorye primery primeneniia. Moskva, Gosstatizdat, 1962. 164 p. (MIRA 16:2)
(Electronic computers)

RAPPOPORT, Moisey Genrikhovich; DROZDOV, Boris Mikhaylovich; VIN'KOV, M.P., red.; POLOSINA, G.V., red.; KAPRALOVA, A.A., tekhn. red.; PYATAKOVA, N.D., tekhn. red.; PYATAKOVA, N.D., tekhn. red.

[EV 80-3 electronic computer]Elektronnyi vychislitel' EV 80-3; ekspluatatsionnye svoistva i nekotorye primery primeneniia. Moskva, Gosstatizdat, 1962. 164 p. (MIRA 16:2)
(Electronic computers)

PYATACHKOV, B.I., kandidat tekhnicheskikh nauk;

Efficient system for enclosing dessicators. Prom. energ. 12 no.5: 4-7 My '57. (MLRA 10:6)

1. Ivanovskiy energeticheskiy institut.
(Drying apparatus)

PYATACHKOV, B.I., kandidat tekhnicheskikh nauk.

"Ventilation of woodpulp and paper factories" N.A.Galechkin. Reviewed by B.I.Piatachkov. Bum.prom.31 no.8:31-32 Ag '56. (MLRA 9:10)
(Factories--Heating and ventilation)

PYATACHKOV, B. I., Engineer

"Kinetics in the Drying of Lump Peat." Cand Tech Sci, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, 30 Dec 54. (VM, 22 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

PYATACHKOV, B. I.

"Kineti[illegible] of Drying Lump Peat." Cand Tech Sci, Moscow Power Engineering Inst, Moscow, 1954. (RZhKhim, No 8, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

PYATACHKOV, B.I., kand.tekhn.nauk

Calculation of savings resulting from heat regeneration in drying systems. Prom. energ. 20 no.3:6-8 Mr '65. (MIRA 18:6)

TROSHIN, P.V., kand.tekhn.nauk, dotsent; FEDOTOV, M.P., inzh.; SOKOLOV, Yu.P., inzh.; BORISOV, B.G., kand.tekhn.nauk; MALKOV, Yu.A., inzh.; SOROKIN, A.F., doktor tekhn.nauk, prof. [deceased]; ZUYEV, A.I., kand.tekhn.nauk; KOPTELOV, Yu.K., kand.tekhn.nauk; YERSHOV, Yu.G., inzh.; BROVKIN, L.A., kand.tekhn.nauk, dotsent; POTOSKUYEV, M.P., kand.tekhn.nauk, dotsent; PYATACHKOV, B.I., kand.tekhn.nauk, dotsent; ROMANOVA, T.M., kand.tekhn.nauk, dotsent

Abstracts of completed research works contracted for the national economy. Sbor. nauch.trud.LEI no.10 [illegible] '62.
(MIRA 16:9)

PYATAGORSKIY, A. M.

Dissertation defended for the degree of Candidate of Philological Sciences at the Institute of the Peoples of Asia

"From the History of the Medieval Tamil Literature."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

PYATAK, O. A. Cand Med Sci -- (diss) "On the Diagnosis of the Early Stages of Hypertonic Disease." Dnepropetrovsk, 1957. 15 14 pp 21 cm. (Min of Health Ukrainian SSR, Dnepropetrovsk State Medical Inst), 200 copies (KL, 26-57, 113)

PYATAKOV, A.

First labor code. Sots.trud no.12:36-39 D '58. (MIRA 13:4)

(Labor laws and legislation)

GOREVATYY, L.; PYATAKOV, A.

Procedure for the examination of labor disputes. Sots.trud no.6:135-141 Je '57. (MLRA 10:7)

(Labor disputes)

PYATAKOV, A.

Important study in the field of labor legislation ("Theoretical problems in all-Union labor legislation" by A. E. Pasherstnik. Sots. trud no.3:155-159 Mr '57. (MLRA 10:4)
(Labor laws and legislation)

PYATAKOV, Aleksandr Vasil'yevich; FILIMONOV, V.G., red.; TIMOFEYEVA, N.V., tekhn.red.

[Studies on trade-union participation in the economic-organizational and cultural-educational operations of the Soviet state] Ocherki ob uchastii profsoiuzov v khoziaistvenno-organizatorskoi i kul'turno-vospitatel'noi deiatel'nosti Sovetskogo gosudarstva. Moskva, Gos.izd-vo iurid.lit-ry, 1960. 157 p. (MIRA 13:6)
(Trade unions)

PROCESSES AND PROPERTIES INDEX

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Small sugar factories; their construction, exploitation and importance in the development of farming. A. I. Pyatakov and M. N. Shirokyatnikov. *Zhur. Sakharnoi Prom.* 4, 196-206(1930).—A discussion. V. R. Bairow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PYATAKOV, GEORGIY LEONIDOVICH, DEFENDANT.

N/5
135.21
.P9

REPORT OF THE COURT PROCEEDINGS IN THE CASE OF THE ANTI-SOVIET TROTSKYITE CENTRE, HEARD BEFORE THE MILITARY COLLEGIUM OF THE SUPREME COURT OF THE U.S.S.R., MOSCOW, JANUARY 23-30, 1937, IN RE: Y. L. PYATAKOV, K. B. RADEK, G. Y. SOKOLNIKOV, L. P. SFREBRYAKOV, N. I. MURALOV, Y. A. LIVSHITZ, Y. N. DBROBNIS, M. S. BOGUSLZVSKY, I. A. KNYAZEV, S. A. RATAICHAK, B. O. NORKIN, A. A. SHESTOV, M. S. STROILOV, Y. D. TUROK, I. Y. HRASCHE, G. E. PUSHIN, V. V. ARNOLD... VERBATIM REPORT. MOSCOW, PEOPLE'S COMMISSARIAT OF JUSTICE OF THE U.S.S.R., 1937

580 P.

TRANSLATION OF: SUDEBNYY OTCHET PO DELY ANTISOVETSKOGO TROTSKISTSKOGO TSENTRA.

135.21	N/5	COPY IN HIC	
114.651	N/5	115	N/5
114.65	N/5	132	N/5
861.21	N/5		