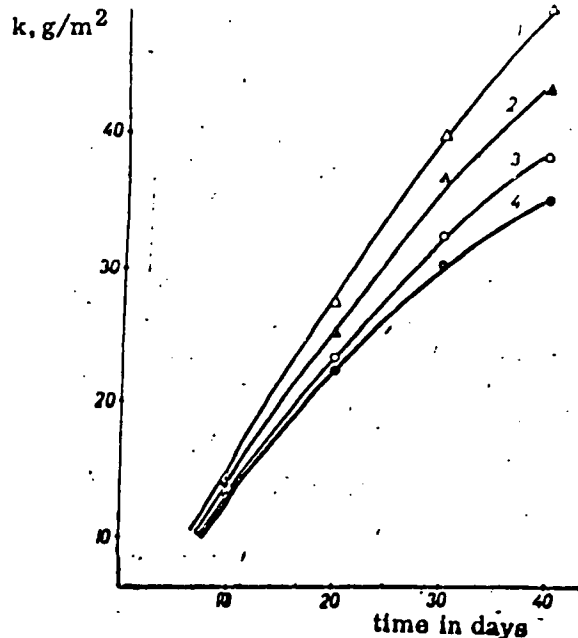


ACCESSION NR: AT4023777

ENCLOSURE: 01

Fig. 1 - Corrosion losses of steel ShKh15 in relation to time in 3% sodium chloride:

1 - steel from a usual smelt (melt No. 314822), perlite-ferrite; 2 - steel after electroslag smelting (melts No. 18, 28, 33), perlite-ferrite; 3 - steel from a usual smelt (melt No. 314822), martensite; 4 - steel after electro-slag smelting (melts No. 46, 48, 53), martensite.



Card

3/3

MIKHAYLOV, Pavel Aleksandrovich; LEBEDEV, G.P., red.; SOBOLEVA,
Ye.M., tekhn. red.

[Repair of electrical measuring devices] Remont elektro-
izmeritel'nykh priborov. Moskva, Izd-vo "Energia,"
1964. 413 p. (MIRA 17:2)

SHUL'IE, Yu.A., doktor tekhn.nauk; PARASYUK, P.F., inzh.; SHERSTYUK, A.A., inzh.;
MIKHAYLOV, P.A., inzh.; KURBATOV, M.I., kand.tekhn.nauk; BERKUN, M.N.,
inzh.

Increasing the durability of high-manganese steel castings.
Mashinostroenie no.4:57-58 Ji-Ag '65. (MIRA 18:8)

GABUYEV, G.Kh.; YEL'TSOV, K.S.; SHUL'TE, Yu.A.; MIKHAYLOV, P.A.; GAREVSKIKH, I.A.;
LEYBENZON, S.A.; TSIVIRKO, E.I.; MEDOVAR, B.I.; LATASH, Yu.V.; FRANTSOV,
V.P.; PAKHOMOV, A.I.; KAGANOVSKIY, G.P.; VOINOV, S.G.; SHALIMOV, A.G.;
KALINNIKOV, Ye.S.; SMOLYAKOV, V.P.; KOSOY, L.F.

Improving the quality of electric-slag-refined bearing steel. Stal'
24 no.7:640-642 J1 '64. (MIRA 18:1)

1. Zavod "Dneprospetsstal", Zaporozhskiy mashinostroitel'nyy institut,
Institut elektrosvarki im. Ye.O.Patona i Tsentral'nyy nauchno-issledo-
vatel'skiy institut chernoy metallurgii imeni I.P.Bardina.

ACC NR: AR6035216 SOURCE CODE: UR/0274/66/000/008/A078/A078

AUTHOR: Krivoguzov, A. S. ; Mikhaylov, P. A. ; Masharskiy, Ye. I.

TITLE: Frequency meter

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 8A577

REF SOURCE: Tr. Novosib. elektrotekhn. in-t svyazi, vyp. 1, 1965, 90-100

TOPIC TAGS: frequency meter, frequency band, frequency measurement, frequency spectrum

ABSTRACT: A device has been developed for frequency measurement with an accuracy of $\pm 1 \cdot 10^{-6}$ in the 3—10 Mc frequency band. It is based on producing spectra of frequencies multiple of the frequency of a basic quartz-crystal oscillator of 100 kc. The measured frequency is read using a decade scaler. A block diagram of the system, the basic circuits of the essential junctions and the results of experimental tests are presented. A number of advantages of this device as compared to the PICH-3 precision frequency meter are mentioned. [Translation of abstract] [NT]

SUB CODE: 17/

Card 1/1

UDC: 621.317.76:621.317.36

ABBAMOV, V.V.; MIKHAYLOV, I.A.; KIRBYEV, A.A.; MALYCHEV, N.; DUBINKO, Y.I.

Mechanical methods of testing residual stresses in composite materials. Fiz.-khim. mekh. mat., no. 5:605-608, 1981.

MIRA 19:1

.. Mashinostroitel'nyy institut imeni Babarya, Vaporozhnye.

KARPENKO, G.V.; STEPURENKO, V.T.; BABY, Y.L.; SHUM'KO, Ye.A.; MIKHAYLOV,
P.A.

Corrosion resistance and fatigue strength of St2015 steel refined
by the electric slag method. Viliian.rab. sred na svols. mat. no.2:
67-76 '63. (MIRA 17:10)

ACCESSION NR: AP4041869

S/0133/64/000/007/0640/0642

AUTHOR: Gabuyev, G. Kh.; Yel'tsov, K. S.; Shul'te, Yu. A.; Mikhaylov, P. A.; Garevskikh, I. A.; Leybenzon, S. A.; Tsivirko, E. I.; Medovar, B. I.; Latash, Yu. V.; Frantsov, V. P.; Pakhomov, A. I.; Kaganovskiy, G. P.; Voinov, S. G.; Shalimov, A. G.; Kalinnikov, Ye. S.; Smolyakov, V. P.; Kosoy, L. F.

TITLE: Improvement of the quality of electroslag-melted ball-bearing steel

SOURCE: Stal', no. 7, 1964, 640-642

TOPIC TAGS: ball bearing steel, electroslag melted steel, high purity steel, steel electroslag melting

ABSTRACT: Several variants of electroslag melting have been tested in an attempt to improve the quality of ball-bearing steel. The analysis of electroslag-melted steel showed that nitrides and carbonitrides constitute the greatest part (up to 75%) of the nonmetallic inclusions present in the steel. These nitrides derive from the initial material. The electroslag process eliminates large nitrides over 20 μ in diameter, but does not eliminate the smaller ones.

Card 1/3

ACCESSION NR: AP4041869

Therefore, the nitrogen and titanium contents of the initial metal must be reduced to a minimum. This can be done, for example, by refining the metal in the ladle with synthetic slag. Electroslag melting of open-hearth steel refined with synthetic slag eliminated all the inclusions larger than 10μ and reduced the number of smaller inclusions by more than 50% and the nitrogen and oxygen contents to 0.0053 and 0.0020%, respectively. To produce ultra-high purity ball-bearing steel, the double electroslag melting was applied with a combination of various fluxes. The use of ANF-6-ANF-6 fluxes in double electroslag melting or of AN-29-ANF-6 fluxes produced best results. Ultra-high purity steel, fully satisfying requirements for critical ball bearings, was obtained. Orig. art. has: 2 figures.

ASSOCIATION: Dneprospetsstal' (Dneprospetsstal' plant); Zaporozhskiy mashinostroital'nyy institut (Zaporozh Machine-Building Institute); Institut elektrosvar'ki im Ye. O. Patona (Electric Welding Institute); TsNIICHM

ard 2/3

ACCESSION NR: AP4041869

SUBMITTED: 00

ATD PRESS: 3068

ENCL: 00

SUB CODE: MM

NO REF SOV: 007

OTHER: 000

Card 3/3

MIKHAYLOV, P.D., student IV kursa.

Automatic scales for weighing out powders. Apt.delo 5 no.2:26-27
Mr-Ap '56. (MLBA 9:7)

1. Iz nauchnogo kruzha po organizatsii farmatsevticheskogo dela
(nauchnyy rukovoditel' A.Boyeva) pri farmatsevticheskom fakul'tete
Meditsinskoy akademii imeni V.Chervenkova, Soviya.
(SCALES (WEIGHING INSTRUMENTS))

KHAYLOV, P. D.

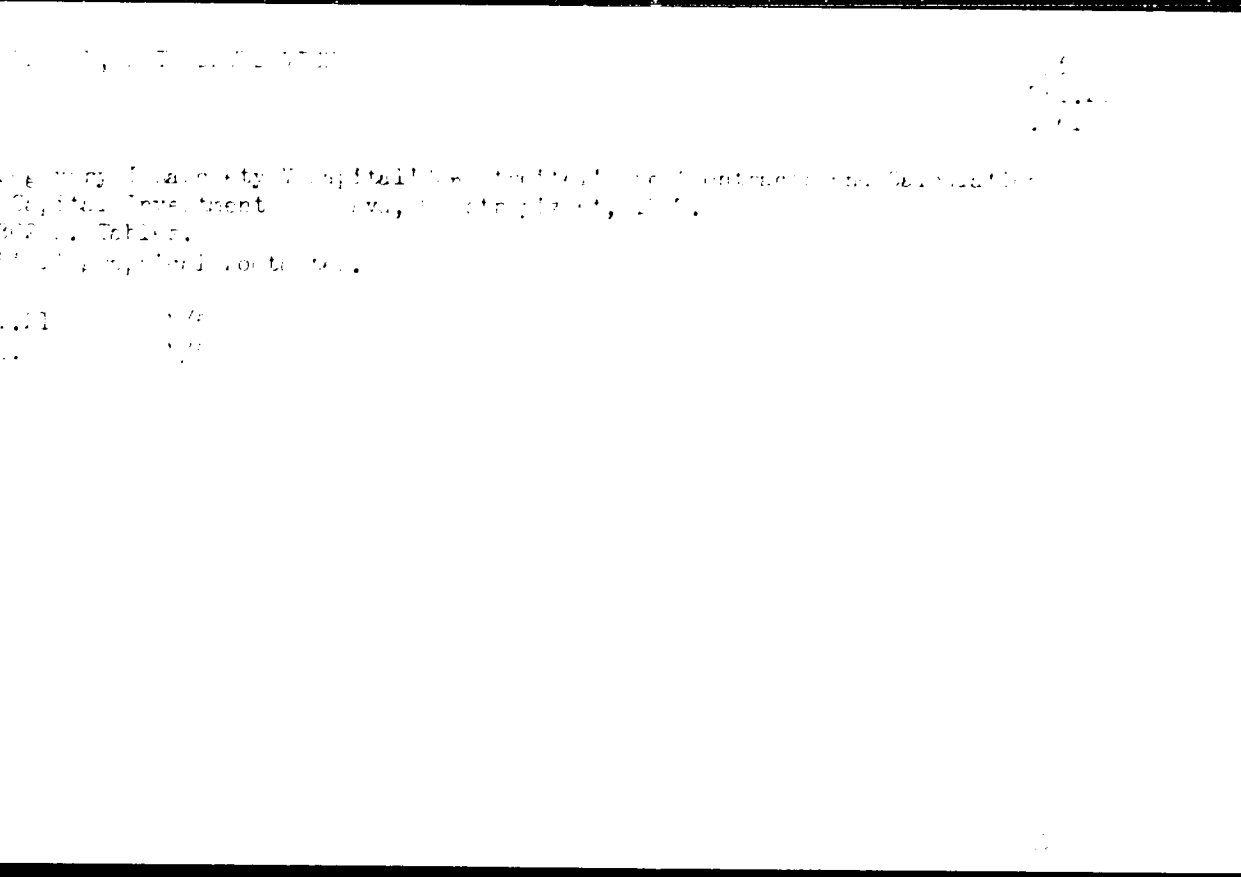
atilentni plan dorozhnogo khoziaistva SSSR. /The five-year plan for roads of
e USSR/. S predisl. L. P. Serebriakova. Moskva, Transpechat', 1930.

p. diags.

DLC: TE85.M5

t-H

Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.



MIKHAYLOV, Petr Davydovich; KVITNITSKIY, L.A., red.; MORSKOY, K.L.,
red.izd-va; BOROVNEV, N.K., tekhn.red.

[Drawing up contracts and settling accounts for capital
construction] Dogovory i raschety v kapital'nom stroitel'-
stve. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.
materialam, 1959. 354 p. (MIRA 13:2)
(Building--Contracts and specifications)
(Construction industry--Accounting)

MITIN, Sergey Andreyevich; GOBERMAN, M.D.; MIKHAYLOV, F.D.; RUSAKOV, A.N.; SEMIBRATOV, V.N.; TORGONENKO, Ye.A.; GIROVSKIY, V.F., glav. red.; USPENSKIY, V.V., zam. glav. red.; BASHINSKIY, S.V., red.; GORBUSHIN, P.B., red.; KUREVICH, M.S., red.; LEYKIN, B.P., red.; MALYUGIN, V.I., red.; BOGINA, S.L., red. izd-va; NAUMOVA, G.D., tekhn. red.

[Manual on labor and wages in construction] Spravochnik po trudu i zarabotnoi plate v stroitel'stve. Pod red. S.A.Mitina. Moskva, Gosstroizdat, 1962. 581 p. (MIRA 15:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut ekonomiki stroitel'stva. (Wages—Construction industry)

MALKOV V M., KIBARDINA A. I. (Moscow)
MIKHAYLOV, I. I., (Moscow) and SIBIRSKHOV,
A. N. (red.)

[Astrobleu? Face? ...
Vologda? ...
M. A. ...]

MALKOV, V.M.; VIKULOV, S.V., red.; DRUGOV, V.I., red.; LOGINOV,
V.I., red.; ~~MEKHAYLOV, S.D., red.~~ SHOROKHOV, A.N., red.;
PARAMONOV, B.P., red.; ROMANOV, A.A., red.; NEVZOROV, V.T.,
red.; KHMEL'NITSKIY, A.S., red.;

[Volga-Baltic Sea Waterway] Volgo-balt. Vologda, Severo-
Zapadnoe knizhnoe izd-vo, 1965. 381 p. (MIRA 18:10)

74. 11 (1)

Subject : USSR/Electricity AID P - 3410

Card 1/1 Pub. 29 - 25/30

Author : Mikhaylov, P. G., Eng.

Title : ~~Electric warming up of frozen water mains~~
Electric warming up of frozen water mains

Periodical : Energetik, 10, 33, 0 1955

Abstract : The author describes the methods applied for warming up water mains which froze during the very cold winter of 1954. One table.

Institution : None

Submitted : No date

AL'PER, M.G.; MIKHAYLOV, P.G.

Lacquering overshoes in a high-tension electric field. Kauch.
1 rez. 18 no.3:39-43 Nr '59. (MIRA 12:5)

1. Zavod "Krasnyy bogatyr'."
(Boots and shoes, Rubber)

6

HAYLOV, P. G., Cand Tech Sci -- (diss) "Experimental research into automatic gob assemblies with small-size loading machines." Moscow, U.S.S.R. 13 pp; (Academy of Sciences USSR, Inst of Mining Affairs); 200 copies; price not given; (KL, 27-60, 154)

MIKHAYLOV, P.G., kand.tekhn.nauk

Jet feeds for pneumatic fillers. Izv. vys. ucheb. zav.; gor.
zhur. no.8:133-139 '61. (MIRA 15:5)

1. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.
Rekomendovana Kuznetskim nauchno-issledovatel'skim ugol'nyim
institutom.

(Coal-handling machinery)

MIKHAYLOV, P.G., kand.tekhn.nauk; CHUCHUSHKOV, M.K., inzh.; KUZ'KIN, V.A., inzh.

Increasing the efficiency of the system of working inclined layers
with filling. Sbor. KuzNIUI no.9:20-42 '61. (MIRA 16:5)
(Kuznetsk Basin--Coal mine and mining) (Mine filling)

MIKHAYLOV, P.G.

Dust control in mine filling. Vop. bor' s sil. v Sib. no.1:
75-81 '61 (MIRA16:12)

MIKHAYLOV, P.G., kand.tekhn.nauk

Small pneumatic filling machines. Sbor. KuzNIUI no.9:51-67

'61.

(MIRA 16:5)

(Mine filling--Equipment and supplies)

MIKHAYLOV, P.I.

My experience in the use of radar. Rech.transp. 18 no.11:44-45
N '59. (MIRA 13:4)

1. Kapitan teplokhoda "Pekin".
(Radar in navigation)

MIKHAYLOV, P.I.; SKOBLO, A.I.

Investigating the hydrodynamic mode of operation of fireboxes in
pipe-still models. Trudy MINKHIGP no.37:141-156 '62. (MIRA 17:3)

MIKHAYLOV, P.I.; SKOBLO, A.I.

Organizing the movement of gases in tubestill heaters. Trudy
MINKHIGP no.44:278-284 '63. (MIRA 18:5)

PHASE I BOOK EXPLOITATION 889

Mikhaylov, Pavel Mikhaylovich, Hero of the Soviet Union

Moskva--N'yu-York--Moskva (Moscow--New York--Moscow) Moscow,
Izdatel'stv~~o~~ DOSAAF, 1958, 71 pp. 40,000 copies printed.

Ed.: Filimonov, I.M.; Tech. Ed.: Blazhenkova, G.I.

PURPOSE: The book is intended for the general reader interested
in Soviet aviation.

COVERAGE: The author, a Hero of the Soviet Union, and one of the
foremost flyers of the USSR, describes in detail the events pre-
ceding the transatlantic flight of the TU-104A, the first Soviet
turbojet passenger plane to fly the Atlantic. He gives an hour-
ly account of the Moscow--New York flight made under his command.
The TU-104A took off on September 4, 1957 from Vnukovo airfield
with stops scheduled for London, Keflavik (Iceland), Goose Bay
(Labrador). The plane landed at MacGuire Airfield in New Jersey.

Card 1/3

oscow--New York--Moscow 889

The round trip of 18,000 km. took 24 hours and 36 minutes. On board were: Alexey Ivanovich Semenov, Chief of the Administration of Aeroflot Transport Aviation, who was in charge of the flight, and a crew of 19, which included a double crew of pilots, copilots, navigators, flight engineers, and radio operators. Brief characteristics and biographical data on the leading members of the crew are given. There are no bibliographic references.

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AVAILABLE: Library of Congress
Card 3/3

IS/sfm
11-25-58

MIKHAILOV, Petr Mikhailovich

[Financial planning in the lumber industry] Finansovoe planirovanie
v lesozagotovitel'noi promyshlennosti. Moskva, Gosfinizdat, 1957.
89 p. (MIRA 12:4)

(Lumbering--Finance)

YUDENICH, V. V.; MIKHAYLOV, P. M.

Two cases of leiomyoma of the esophagus. *Grud. Khir.* 4 no.3:114
My-Je '62. (MIRA 15:7)

(ESOPHAGUS—TUMORS)

MIKHAYLOV, P.M.; VELICHKO, O.Ch.

Spectral determination of nickel, copper, iron, manganese and silicon
in metallic cobalt. Zav.lab.22 no.11:1307-1310 '56. (MLRA 10:2)

1. Kombinat "Severonikel".
(Cobalt--Analysis) (Silicon--Spectra) (Metals--Spectra)

NEW YORK, N. Y.

MILBY, W. N. — "Investigation of Thermal Properties of a Polyacetylene
for Firebox with Liquidizing Resin." U.S. Naval Research Lab.,
Report No. N601-11-101-101, 101-101, 101-101, 101-101, 101-101.
(Documentation for the purpose of the...)

No. 1

U.S. Naval Research Lab., 101-101, 101-101, 101-101, 101-101

MIKHAYLOV, P.M.

Thermal conditions of heat exchange in boiler-unit furnaces
[with summary in English]. Inzh.-fiz.zhur. 1 no.8:8-15 Ag '58.
(MIRA 11:8)

1. Politeknicheskii institut im. M.I. Kalinina, Leningrad.
(Boilers) (Heat--Radiation and absorption)

ZYSIN, V.A.; MIKHAYLOV, P.M.

Efficient operation of the gas-turbine unit in a thermal network.
Nauch.-tekh. inform. biul. LPI no.10:3-7 '58. (MIRA 14:3)
(Electric power plants)
(Gas turbines)

MIKHAYLOV, P.M.

Effective degree of the blackening of shielded surfaces. Nauch.-
tekh. inform. biul. LPI no.10:8-13 '58. (MIRA 14:3)
(Boilers)

Leningrad, Politekhnicheskii Institut

Energomashinostroeniye (Power-Machinery Construction) Moscow, Mashgiz, 1960. 163 p. (Series: Its; Truly, No. 204) Errata slip inserted. 1,600 copies printed.

Sponsoring Agency: MSPSR, Ministerstvo vysshago i srednego spetsial'nogo obrazovaniya.

Resp. Ed.: V.S. Sedmoy, Doctor of Technical Sciences, Professor; Ed.: I.I. Balenin, Candidate of Technical Sciences, Doctor of Tech. Sci.; P.S. Balenin, Candidate of Technical Sciences, Doctor of Tech. Sci.; V.I. Kuznetsov, Candidate of Technical Sciences, Doctor of Tech. Sci.; V.I. Kuznetsov, Candidate of Technical Sciences, Doctor of Tech. Sci.; V.I. Kuznetsov, Candidate of Technical Sciences, Doctor of Tech. Sci.; V.I. Kuznetsov, Candidate of Technical Sciences, Doctor of Tech. Sci.

PURPOSE: This book is intended for workers at scientific research institutes and factory design offices. It may also be useful to students of advanced courses and aspirants specializing in power-machinery construction. COVERAGE: This collection of 17 articles deals with analyses of gas-turbine installations and theoretical and experimental investigations of the operation of power and transportation machinery, including turbines, compressors, and internal-combustion engines. A description is given of recent theoretical and experimental investigations undertaken by the Department of Power Machinery Construction, the Institute of Power Machinery Construction (Leningrad), and the Institute of Power Machinery Construction (Moscow). The investigations include analyses of parameters for insuring high economy of operation and the perfecting of methods of calculating and designing new power equipment. References follow several of the articles.

5. Balenin, V.I. Some Features of One Type of Gas-Turbine Systems 83
6. Ameyev, L.V. Calculation of Transition Processes in Gas-Turbine Engines 61
7. Seluzhnev, K.F. On the Question of Similarity of Temperature Fields in Turbomachinery Elements 67
8. Dmitrevskiy, V.A. On the Determination of the Boundaries of the Operating Regime in Shaftless Diesel-Engine Compressors 77
9. Kostin, A.K. Investigation of the State of Thermal Stress in Two-Stroke Engines 84
10. Kuznetsov, V.I. Investigation of the Combustion Process and the Gasification of the Pulverized-Coal Flame in Furnace Fire Boilers With Liquid Slag Removal 99
11. Balynskiy, N.Ya. Analysis of the Emission of Boiler Sludge 105
12. Polynanskiy, N.Ya., and N.V. Meshchikov. On Chemical Decays in the Operation of Feedwater for Low-Pressure Steam Boilers 115
13. Sorokin, G.N., and Yu.F. Volkov. On the Question of Fuel Economy of a Vehicle With a Hydromechanical Transmission 120
14. Galyshev, V.D. On the Calculation of Certain Parameters of the Braking Process in a Moving System 128
15. Kryukov, A.D. Synthesis of Planetary Gears With Three Degrees of Freedom 133
16. Kryukov, A.D. Experimental Investigation of the Efficiency of Planetary Mechanisms With Two Degrees of Freedom 151
17. Galyshev, V.D. Comparative Testing of the Wear Resistance of Friction Linings in Band Brakes 159

AVAILABLE: Library of Congress

AC/PM/18
8-1-60

Card 3/3

E 21178-65 EPA/EWP(m)/EPR/EWT(1)/EWA(d)/FCS(k)/EWA(1)/EWP(f) Pg-1/Ps-4/Paa-4
ACCESSION NR: AT5003388 8/2563/64/000/232/0042/0046

40
39
BT1

AUTHOR: Mikhaylov, P. M.; Shtym, A. N.

TITLE: Pressure distribution in vortex combustion chambers

SOURCE: Leningrad. Politekhnikheskiy institut. Trudy, no. 232, 1964. Turbomashiny (Turbomachinas), 42-46

TOPIC TAGS: turbulent flow, combustion chamber, vortex combustion chamber, twisted cylinder flow approximation, tangential velocity approximation, static pressure drop

ABSTRACT: The first aerodynamic calculation of motion within a vortex chamber using a twisted cylindrical current model was carried out by L. A. Vulis and B. P. Ustimenko (Teploenergetika, 1954, no. 9, pp 3-10). Their approach is justified by the fact that within a large portion of the volume of the chamber the full velocity is for all practical purposes identical with its tangential velocity component. These authors approximated the tangential velocity function w_θ by

$$w_\theta = \frac{2r_{\max} w_{\max} r}{r_{\max}^2 + r^2} \quad (1)$$

Card 1/2

L 21778-55

ACCESSION NR: AT5003388

where $w = v/v_{max}$ and $\gamma = r/r_{max}$. This expression, in turn, determines the dimensionless magnitude of the static pressure change ΔP . In this present paper, the authors show that a better agreement with experimental ΔP data can be achieved by using

$$w = \left(\frac{2\gamma}{1+\gamma} \right)^n \tag{4}$$

instead of Eqn. (1). Here, n is a constant. Orig. art. has: 8 formulas and 3 figures.

ASSOCIATION: Leningradskiy politekhnicheskii institut imeni M. I. Kalinina (Leningrad polytechnic institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: ME, PH

NO REF SQV: 003

OTHER: 000

Card 2/2

KREYMER, S.Ye.; MIKHAYLOV, P.M.; STOGOVA, A.V.; LOMEKHOV, A.S.

Chemico-spectral method of analysis of pure nickel and cobalt. Zhur.
anal.khim. 19 no.9:1117-1121 '64. (MIRA 17:10)

1. "Severonickel" Combine, Monchegorsk.

SMIRNOV, P.A.; LOBANOV, V.I.; MIKHAYLOV, P.M.; NEVEDOMSKAYA, A.V.

Wetting raw materials in flax and hemp mills. Tekst.prom.16 no.4:
20-22 Ap '56. (Hemp) (Flax) (MIRA 9:7)

MIKHAYLOV, P.M.; VLASOV, S.G., inzhener-metodist.

Replacement of blade beaters by needle beards. Tekst.prem.16
no.4:51-52 Ap '56. (MLRA 9:7)

1.Zamestitel' zaveduyushego pryadil'nykh proizvedstvom Krasne-
velxhskego kombinata (for Mikhaylov)
(Spinning machinery) (Cotton spinning)

MIKHAYLOV, P.M.; FREYSHTADT, L.G.

Types of driers for flax and hemp mills. Tekst.prom. 16 no.9:46-47
S '56. (MLRA 9:12)

(Drying apparatus) (Fibers)

MIKHAYLOV, P.M.; ANIDALOV, I.P.

Correctly calculate losses of raw material at flax factories.
Tekst. prom. 18 no.9:61 S '58. (MIRA 11:10)
(Flax)

ANUCHKIN, N.N.; GARBUZOV, Z.Ye.; MIKHAYLOV, P.M.

The E-155 universal building excavator. Biul.tekh.-ekon.inform.
no.11:48-50 '59. (MIRA 13:4)
(Excavating machinery)

ANUCHKIN, N.N., inzh.; GARBUZOV, Z.Ye., inzh.; ZAYTSEV, L.V., inzh.;
KULIKOV, A.P., inzh.; MIKHAYLOV, P.M., inzn.

E-155 and E-156 building excavators with caterpillar drive or with
pneumatic tires. Stroi. i dor. mashinostr. 5 no.5:5-9 My '60.
(MIRA 14:4)

(Excavating machinery)

ANUCHKIN, N.N., inzh.; GARBUZOV, Z.Ye., inzh.; MIKHAYLOV, P.M., inzh.

The K-2,5-1E motor crane with a 2.5 ton capacity. Stroi.i dor.mash.
6 no.4:7-10 Ap '61. (MIRA 14:3)
(Cranes, derricks, etc.)

L 27368-66 EWI(1)/EWP(m)/EWA(d)/ETC(m)-6/EWA(1) WN
ACC NR: AP6012435 SOURCE CODE: UR/0143/65/000/011/0050/0053

AUTHORS: Shtym, A. N. (Engineer); Mikhaylov, P. M. (Candidate of technical sciences, Docent)

62
B

ORG: Leningrad Polytechnic Institute imeni M. I. Kalinin (Leningradskiy politekhnicheskii institut)

TITLE: On the aerodynamics of whirling flow in cyclone-vortex chambers

SOURCE: IVUZ. Energetika, no. 11, 1965, 50-53

TOPIC TAGS: aerodynamics, vortex flow, turbulent flow

ABSTRACT: The whirling flow in cyclone-vortex chambers is investigated by using the governing turbulent flow equation

$$\rho \left(w_r \frac{\partial w_\varphi}{\partial r} + \frac{w_\varphi w_r}{r} \right) = \frac{\partial \tau_{r\varphi}}{\partial r} + 2 \frac{\tau_{r\varphi}}{r}$$

where the turbulent stress is expressed as

$$\tau_{r\varphi} = \rho \nu_t \frac{1}{r} \cdot \frac{\partial \Gamma}{\partial r}$$

L 27368-66

ACC NR: AP6012435

The general solution of this equation is given by

$$\Gamma = \frac{1}{2\alpha^2} (\ln r \int w_r dr - \int w_r \ln r dr) + C_1 \ln r + C_2,$$

which necessitates a knowledge of the radial velocity distribution as a function of the radius. On the basis of a large number of experiments, it is shown that the radial dependence of the circulation can be expressed semi-empirically by

$$\Gamma = \left(\frac{2\eta}{1+\eta^2} \right)^n$$

where n is a constant depending on the chamber structure. This leads to the expression for the radial velocity component v

$$v = \frac{w_r}{\rho_{p, \max}} = 2\alpha^2 \left(\frac{2\eta}{1+\eta^2} \right)^n \left[\left(1 + \frac{1-\eta^2}{1+\eta^2} \right)^2 - \frac{4\eta\eta^2}{(1+\eta^2)^2} \right]^n$$

which (when combined with the continuity equation) gives an analogous expression for the tangential velocity u. Orig. art. has: 18 equations and 1 figure.

SUB CODE: 20/ SUBM DATE: 30May64/ ORIG REF: 006/ OTH REF: 003

Card 2/2 *20*

MIKHAYLOV, P.N., inzhener.

Mobile bar of a roll and its operation. Bum. prom. 31 no.7:
13-15 J1 '56. (MLRA 9:10)

1. Leningradskaya bumazhnaya fabrika "Goznak."
(Papermaking machinery)

MIKHAYLOV, P. N.

N. A. Afonchikov, G. V. Kolobava, P. N. Mikhaylov, and M. G. Voronkov,
"Their Application for Glueing Paper."

Report presented at the Second All-Union Conference on the Chemistry and
Practical Application of Silicon-Organic Compounds held in Leningrad from
25-27 September 1958.
Zhurnal prikladnoy khimii, 1959, Nr 1, pp 231-240 (USSR)

SOV/80-32-2-42/56

AUTHORS: Afonchikov, N.A., Kolobova, G.V., Nikhaylov, P.N., Voronkov, M.G.

TITLE: The Application of Silicon-Organic Compounds for the Gluing of Paper (Primeneniye kremneorganicheskikh soyedineniy dlya prokleyki bumagi)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 2, pp 445-446 (USSR)

ABSTRACT: Silicon-organic compounds were used a) for treating the finished paper with vapors of methyltrichlorosilane; b) for impregnating the paper by these compounds; c) for gluing the paper mass by such substances. The last procedure shows the best results. The compound MN-1 (CH₃SiHO)_n is most efficient. Thermal processing of the finished paper is necessary, however in order to obtain a great depth of gluing. If certain catalysts are used, e.g. lead or zinc acetate, triethanolamine, etc, thermal processing is not necessary. The catalyst is also added to the paper mass where it has the best effect. Professor B.N. Dolgov is mentioned in the article.

Card 1/2
There is 1 table.

SOV/80-32-2-42/56

The Application of Silicon-Organic Compounds for the Gluing of Paper

ASSOCIATION: Fabrika "Goznak" i institut khimii silikatov AN SSSR (Factory "Goznak" and the Institute of the Chemistry of Silicates of the USSR Academy of Sciences)

SUBMITTED: April 22, 1958

Card 2/2

S/661/61/000/006/076/081
D287/D302

AUTHORS: Afonchikov, N. A., Kolobova, G. V., Mikhaylov, P. N.
and Voronkov, M. G.

TITLE: The use of organosilicon compounds in paper-sizing

SOURCE: Khimiya i prakticheskoye primeneniye kremneorganicheskikh
soyedineniy; trudy konferentsii, no. 6: Doklady, diskus-
sii, resheniye. II Vses. konfer. po khimii i prakt. prim.
kremneorg. soyed., Len. 1958, Leningrad, Izd-vo AN SSSR,
1961, 336

TEXT: The Leningradskaya bumazhnaya fabrika 'Gosnak' (Leningrad Pa-
per Factory 'Goznak') carried out, in conjunction with the Institut
khimii silikatov AN SSSR (Institute for Silicate Chemistry, AS
USSR), experiments on the use of organosilicon compounds in the pa-
per industry. The paper should possess hydrophobic properties which
prevent the soaking in of ink. Organosilicon compounds do not show
the same disadvantages as colophony (which is generally used for
this purpose). The authors used the substance MH-1 (MN-1) (which

Card 1/2

S/661/61/000/006/076/081
D287/D302

The use of organosilicon ...

was most satisfactory) and tested the material ГКЖ-94 (GKZh-94). The latter was, however, unstable. Thermal treatment gave paper of suitable sizing properties, but it is difficult to carry out this type of processing in the machine itself. Paper treated with organosilicon compounds has improved print-receptivity. The compounds do not affect the other properties of the paper.



Card 2/2

AUTHORS: Balygin, I. Ye., Mikhaylov, P. S. SOV/57-58-8-12/37

TITLE: On Ionization Processes in Pores of Ceramic Dielectrics (Ob ionizatsionnykh protsessakh v porakh keramicheskikh dielektrikov)

PERIODICAL: Zhurnal tekhnicheskoy fiziki, 1958, Nr 8, pp. 1684 - 1691 (USSR)

ABSTRACT: This is a study of normal, and for the sake of comparison also of porous samples of ultraporcelaine (UF-46) of steatite STs-4 and of tikond T-150. The dielectric losses were measured, the samples were tested in long-term experiments in a heated state and in high-frequency circuits with $2 \cdot 10^5$ c and the discharge in the gas pores of the sample were recorded. The evidence presented permits to draw the following conclusions: 1) Ionization processes in gas pores of ceramic samples occur only rarely at a d.c. voltage and thus hardly become manifest. They gain importance apparently only in cases where the conductivity of the pore walls is considerably increased. 2) Discharges in gas pores with a diameter of a few hundredths of a millimeter proceed with a small heat transfer. The magnitude of the applied field strength plays an important role in this

Card 1/2

On Ionization Processes in Pores of Ceramic
Dielectrics

SCV/57-58-6-12/37

process. If the field strength is raised above a certain value the heating of the samples is considerably increased.
3) It is possible to measure the beginning of the ionization in the gas pores and the beginning of the incomplete breakdown in general by means of a special amplifier equipment. Such measurements with an alternating voltage permit to estimate the qualification of the product for high-frequency equipment. There are 10 figures, 3 tables, and 5 references, 4 of which are Soviet.

SUBMITTED: November 26, 1956

Card 2/2

MIKHAYLOV, P.S.; ROTENBERG, B.A.

Electrical properties of some solid solutions of niobates and tantalates of bivalent metals. Izv. AN SSSR Ser. fiz. 24 no.10:1282-1284
0 '60. (MIRA 13:10)
(Ferroelectric substances)

MIKHAYLOV, P.V.

Continuous method of deaerating a copper-ammonia spinning solution.
Tekst.prom. 17 no.10:18-21 0 '57. (MIRA 10:12)
(Rayon spinning)

30V/81-59-10-37176

lation from: Referativnyy zhurnal. Khimiya, 1959, Nr 10, p 537 (USSR)

ORS: Mikhaylov, P.V., Okunev, L.Ye.

E: Regeneration of Copper and Ammonia in the Production of Copper-Ammonia
Staple Fiber⁵

DDICAL: Vestn. tekhn. i ekon. inform. Mezhotrasl labor. tekhn.-ekon issled i
nauchno-tekhn. inform. N.-i. fiz.-khim. in-ta im. L.Ya Karpova, 1958.
Nr 5 (10), pp 34-37

1/2
RACT: The regeneration of Cu (I) and NH₃ (II) in the production of copper-ammonia
staple fiber is carried out by two methods. In the first method the spinning
bath is boiled under vacuum; in this case the oxide of I is precipitated
in the form of a slime and II is distilled with the water steam. The
slime then passes into an installation for the regeneration of I and the
steam containing 1.1 g/l of II passes into a cooling condenser and proceeds
to rectification. Up to 80% II contained in the spinning bath returns to
production. The gas-air mixture passes through an installation with hori-
zontal and vertical absorbers, where II is absorbed by softened water to a
concentration of 250 - 260 g/l which makes it possible to reduce the speci-
fic standard of the consumption of ammonia water in the production by 12 -

SOV/81-59-10-37176

eration of Copper and Ammonia in the Production of Copper-Ammonia Staple Fiber

The diagrams of the installations for regeneration of I from slime, for recti-
on and collection of II are cited. For regeneration from waste waters containing
0.9 g/l of I the most suitable method is the use of H-ionites. The diagram of
pertaining installation and the description of its arrangement, operation, purifica-
of quartz filters and regeneration of ionite filters are given; for the latter
it R is used. The data compiled in a table on the operating condition of the ion-
filters show the expediency of a step-wise system of cationite regeneration

R. Neyman

2/2

MIKHAYLOV, P.V.; VARESHIN, I.A.; LUK'YANOV, N.P.

Use of polyacrylamide for yarn sizing. Tekst. prom. 23 no.7:
45-47 J1 '63. (MIRA 16:8)

1. Nachal'nik nauchno-tekhnicheskogo otdela Vsesoyuznogo nauchno-issledovatel'skogo instituta sinteticheskogo volokna (VNIISV), g. Kalinin (for Mikhaylov).
2. Nachal'nik tkatskogo proizvodstva fabriki imeni Vagzhanova (for Vareshein).
3. Glavnyy inzh. Kalininskoy tkatskoy fabriki (for Luk'yanov)
(Sizing (Textile)) (Acrylamide)

NICHAYLOV, E.V.; LUK'YANOV, I.P.

Use of polyacrylonitrile in sizing. Dokl. Akad. Nauk SSSR
1964, No. 104 (1964, 18:4)

1. Nauchnik naučno-tekhnicheskogo centra "Soyuz-
nauchno-issledovatel'skoye institut khimicheskikh
(S. N. Nikitayev). 2. Nauchnik nauchno-issledovatel'skogo
instituta Kalininskogo nauchno-issledovatel'skogo instituta
tekhnicheskoy promyshlennosti (S. N. Lukyanov).

SADOV, F.I.; MIKHAYLOV, P.V.; GLAZKOVSKIY, Yu.V.

Using the chemical and spectral analysis methods in studying
the process of alkali saponification of polyacrylonitrile.
Izv. vys. ucheb. zav.; tekhn. tekst. prom. no.4:91-97 '65.
(MIRA 18:9)

1. Moskovskiy tekstil'nyy institut.

MIKHAYLOV, P.V., nauchnyy sotrudnik; GRIBINA, T.K., nauchnyy sotrudnik;
SADOV, F.I., prof.

Use of the products of alkali saponification of polyacrylonitrile
in the sizing of yarn. Tekst. prom 25 no.9:42-44 S '65.

(MIPA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo
volokna (for Mikhaylov, Gribina). 2. Moskovskiy tekstil'nyy
institut (for SadoV).

VARESHIN, I.A.; MIKHAYLOV, P.V.; GRIBINA, T.K., mladshiy nauchnyy sotrudnik

Size manufactured from the products of the peroxide destruction of polyacrylamide. Tekst. prom. 25 no.12:40-42 D '65.

(MIRA 19:1)

1. Nachal'nik tkatskogo proizvodstva fabriki imeni Vagzhanova (for Vareshin). 2. Predsedatel' Nauchno-tekhnicheskogo obshchestva Vsesoyuznogo nauchno-issledovatel'skogo instituta sinteticheskogo volokna, g. Kalinin (for Mikhaylov). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo volokna, g. Kalinin (for Gribina).

Feigina, R. S., Eng.; Mikhaylov, I. Ya.

USSR (600)

Agricultural Machinery

Sowing apparatus and plowshares for juice, Sel'khozmas hina, No. 11, 1952

Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

GINA, R. S., Eng.: MIKHAYLOV, P. Ya.

UDDR (600)

Jute

Sowing apparatus and plowshares for jute. Sel'khoz mashina, No. 11, 1952.

Monthly List of Russian Accessions, Library of Congress, February 1953, Uncl.

FEIGINA, R.S.; MIKHAYLOV, P.Ya.

USSR (600)

Agricultural Machinery Industry

Problem of decreasing machine weight, Engrs. R.S. Feigina, P. Ya. Mikhailov,
Sel'khoz mashina no. 5, 1953.

Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

KLYUCHAREV, A.Ye.; KOKOREV, D.T.; SHUSHPANOV, P.I.; MIKHAYLOV, P.Ye.;
BABYBK, A.G.

Preparation of aqueous solutions of allyl chloride in a hydro-
acoustic field. Trudy MIKHM 26:131-136 164.

UMIRA 18:5.

MIKHAYLOV, P.Ye.

5(A) P 3 PHASE I BOOK EXPLOITATION 809/1855

Akademiya nauk SSSR. Energeticheskiy Institut.

Teplota i massopromen v protsessakh ispareniya (Heat- and Mass-Transfer in Evaporation Processes) Moscow, Izd-vo AN SSSR, 1958. 254 p. 5,000 copies printed.

Resp. Ed.: Lykov, A.V., Academician, USSR Academy of Sciences; Eds. of Publishing House: Tal', A.A. and Smirnov, V.A.

PURPOSE: This book is intended for scientists and engineers in heat engineering and chemical technology and for students and teachers of higher educational institutions in these fields.

COVERAGE: This collection contains articles relating to analytical and experimental investigations of heat - and mass-transfer under conditions of phase and chemical transformations. A new method of solving unsteady-state heat-flow problems is presented. Methods of determining heat - and mass-transfer coefficients during the heating and drying of a composite substance are given. New experimental principles of surface heat- and mass-transfer in vaporization processes are explained and new

Card 1/5

Mikhaylov, P.Ye. Calculating Some Constants of the Electrokinetic Theory of Membranes With Simple Models

222

Lykov, A.V., and P.Ye. Mikhaylov. The Problem of Molecular Transfer Potentials

218

Мир 10:12
~~MIKHAYLOV, P. Y.~~

Molecular mechanism of heating of dielectric materials in high-frequency fields. Trudy MTIPP no.8:125-132 '57. (MIRA 10:12)
(Thermodynamics) (Dielectric heating)

MIKHAYLOV, P.Ye., IGOSHIN, M.G., redaktor; ZHURAVLEV, A.S., tekhnicheskiy
redaktor

[Self-propelled ship models] Samokhodnye modeli korablei. Moskva,
Izd-vo DOSAAF, 1954. 31 p., illus. (MIRA 8:6)
(Ships--Models)

MIKHAYLOV, Petr Yevgen'yevich; IGOSHIN, M.G., red.; KOBZAN', V.N.,
tekhn. red.

[Submarine model with a mechanical engine] Model' podvodnoi
lodki s mekhanicheskim dvigatelem. Moskva, Izd-vo DOSAAF, 1959.
78 p. (MIRA 12:12)

(Submarine boats--Models)

MIKHAYLOV, P.Ye.

Method of calibration and checking of hygrometers based on the saturation deficit in a three-chamber hygrothermostat. Inzh.-fiz. zhur. 6 no.7:98-100 J1 '63. (MIRA 16:9)

1. Institut khimicheskogo mashinostroyeniya, Moskva.
(Meteorological instruments--Testing)

111, R.

PA 66/49T99

USSR/Radio - Tubes, Ballast
Radio Receivers Aug 49

"Ballast Tubes and Their Use," R. Mikhaylov, 4 pp

"Radio" No 8

Recommends the use of ballast tubes which maintain constant filament current for considerable fluctuations of supply voltage in AC-DC receivers. Gives characteristics of ballast tubes 0.3 B 17-35 (120-127 v) and 0.3 B 65-135 (220 V) and instructions, diagrams and values of additional resistances for installing ballast tubes in the "Rekord-46" and "Rekord-47" receivers.

66/49T99

MIKHAYLOV, R.

PA 1/50T89

USSR/Radio - Amplifiers, Radio
Frequency
Rectifiers, Half-Wave

Sep 49

"A Two-Tube Amplifier," R. Mikhaylov, 4pp

"Radio" No 9

Schematic diagram and building instructions for a one-watt amplifier, consisting of a 6J7 as a preliminary amplifier and the 30P1M beam tetrode as the output amplifier. The 30TslM half-wave rectifier is used in this AC-DC unit.

~~Page~~

1/50T89

AYLOV, R.

235T58

USSR/Electronics - Receivers
Vacuum Tubes

Oct 52

"Operation of Heptode Frequency Converters on
Short Waves," R. Mikhaylov

"Radio" No 10, pp 52-54

Discusses factors making for poor operation of
heptode converters at high frequencies and
measures to improve operation. The newer 6A7,
6A10S, and 6A2P heptodes are much less sus-
ceptible to frequency drift than the 6A8 and
SB-242.

235T58

KHAYLOV, R.

USSR/Electronics - Capacitors

Dec 52

"Fixed Ceramic Capacitors," R. Mikhaylov

Radio, No 12, pp 52-54

Author commends Stalin prize winners N. P. Bogoroditskiy and I. D. Fridberg for their work on capacitors. Describes advantages of ceramic capacitors, methods of manufacture, types and characteristics, and gives tabular data on KDK, KTK, KTK, and KVKT ceramic capacitors.

MIKHAYLOV, R.

Metal and paper condensers. Radio no.10:31-32 '56. (MLRA 9:11)

(Condensers (Electricity))

107-57-1-50/60

THOR: Mikhaylov, R.

TITLE: Choice of Capacitors for a Radio Receiver. For Beginners (Vybor kondensatorov dlya radiopriyemnika. Dlya nachinayushchikh)

PERIODICAL: Radio, 1957, Nr 1, pp 51-54 (USSR)

ABSTRACT: Specifications and descriptions of over 65 types of Soviet fixed capacitors are presented. Capacitors for RF circuits, AF circuits, coupling, blocking, etc., are discussed. Working, testing, and breakdown voltages, tolerances, materials, construction details, applications, and recommendations for choice are given in the article. Working voltages, rated capacitances, and accuracy classifications for various types of fixed capacitors are given in the table on page 54. There are 30 construction sketches, 1 Soviet reference, and 1 table in the article.

AVAILABLE: Library of Congress

ard 1/1

107-57-3-58/64

AUTHOR: Mikhaylov, R.

TITLE: Selecting of Fixed Resistors for a Radio Receiver
(Vybor postoyannykh soprotivleniy dlya radiopriyemnika)

PERIODICAL: Radio, 1957, Nr 3, pp 54-57 (USSR)

ABSTRACT: Fixed resistors for radio equipment are classified according to type, rated dissipating power, nominal resistance, and accuracy or tolerance. Soviet-make fixed resistors have three classes of precision: class I with a tolerance $\pm 5\%$; class II, a tolerance $\pm 10\%$; and class III, a tolerance $\pm 20\%$. A table of standard nominal resistances is presented. Symbols of resistors on Soviet radio schematics are explained; also, a table of designations of carbon resistors with all technical characteristics is given. Criteria for choosing resistors for various radio circuits are indicated, and the dissipating power, and tolerances of resistors to be used in the following circuits are given: control grids, a heterodyne grid of a frequency converter, a diode detector load, a discriminator load, self-bias cathode circuits, screen grids, a common circuit of two screen grids, and an RF amplifier anode in the primary of an output

Card 1/2

107-57-6-46/57

107-57-6-46/57

AUTHOR: Mikhaylov, R.

TITLE: Variable Resistors in Radio Receivers
(Peremennyye soprotivleniya v radiopriyemnikakh)

PERIODICAL: Radio, 1957, Nr 6, pp 54-56 (USSR)

ABSTRACT: Carbon-film resistors and carbon-composition resistors used in radio receivers are classified by their rated resistance, by dissipation capacity, by their rate of change of resistance with the movable-contact angle, and by other factors. A table presents the ratings of the following brands of resistors: VK, TK, SP, SPO-2 and SPO-0.5. Only small resistances are represented; their dissipating power ranges from 0.2 to two watts. Construction details are also given and applications explained.
There are three figures and one table.

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: ~~Mikhaylov, R.~~

SOV/107-59-1-41/51

TITLE: The Increase of the Lower Frequencies at the Low Loudness Level
(Pod"yem nizhnikh chastot pri malykh urovnyakh gromkosti)

PERIODICAL: Radio, 1959, Nr 1, p 51 (USSR)

ABSTRACT: A device for the automatic control of the frequency characteristic by varying the signal level at the low frequencies is described. The device is connected between two stages of an a.f. amplifier. There is one circuit.

ard 1/1

MIKHAYLOV, R. A., ANNAYEV, R. G., MAMEYEV, M., MYNDAYEV, V., and BULATOV, B.,
(Ashkhabad)

"The Investigation of Even and Odd Effects in the Alloy System Ni-Cu,"
a paper submitted at the International Conference on Physics of Magnetic
Phenomena, Sverdlovsk, 23-31 May 56.

MIKHAY LOV, R.A.; MALYSHEV, P.N.; DUPLINKO, Yu.V.

High-speed screw press for processing polyamides. Plast.massy no.1:
49-52 '61.

(Polyamides) (Power presses)

(MIRA 14:2)

MIKHAYLOV, R.K.

Journal of Physical Chemistry

9

Vol XXI, No 1, 1957

THE RATE OF CATALYST CARBONIZATION IN THE DEHYDROGENATION OF N-BUTANE

I. Ya. Zverev, A. N. Buzhin, G. N. Mikhailov and E. A. Savitskaya (Yaroslavl)

Chem. Abst

Summary

The carbonization velocity of a chromia - alumina catalyst in the dehydrogenation of n-butane to butylene has been studied and an equation has been proposed for the process, wherein the quantity of the deposited carbon is related to the duration of the cycle and to the temperature.

fra RIM
aug

MEKHAYLOV, P. I.

Achievements of Estonian railroad workers. Put' i put. knoz.
9 no.3:18-19 '65. (MIR: 18:6)

1. Zamestitel' nachal'nika otdela put', stantsiya Tallin,
Pribaltiyskoy dorogi.

KIRCHEVA, S.; IVANOVA, Ye.; TODOROV, T.; MIKHAYLOV, St.; GUDZHEVA, V.;
POPOV, R.; PETRUNOV, V.; ILIYEVA, P. (Bulgaria)

Effect of nivaline electrophoresis in some diseases of the
nervous system. Vop.kur., fizioter.i lech.fiz.kul't. 28
no.1:26-30 '63. (MIRA 16:4)

1. Iz Nauchno-issledovatel'skogo instituta kurortologii i
fizioterapii v Sofii - Ovcha Kupel (dir. - dotsent K.Kirchev).
(NERVOUS SYSTEM—DISEASES) (ELECTROPHORESIS) (GALANTHAMINE)

37904

S/137/62/000/005/038/150
A006/A101

11500
AUTHORS: Bratchik, A. V., Burdakov, Yu. M., Polupanov, G. G., Mikhaylov, S. A.

TITLE: Continuous cadmium casting into rods

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 21, abstract 50128
("Metallurg. i khim. prom-st' Kazakhstana. Nauchno-tekhn. sb". 1961,
no. 5 (15) 113 - 118)

TEXT: To eliminate Cd losses and facilitate labor conditions during its casting, a unit for the continuous casting of Cd into rods was assimilated at the Ust'-Kamenogorsk Lead-Zinc Combine. The unit is equipped with a refining boiler, connected with the crystallizer. At such a connection the metal is supplied to the crystallizer and the molten Cd, having no contact with air, is not oxidized. The crystallizer is made of grade Ст.45 (St.45) steel. For cutting the rod after its extrusion, shears are mounted; to extrude the rod from the crystallizer, a horizontal two-roll machine is used; grooves for the passage of the rod are cut in the rolls. For initial extrusion (starting the machine) a Cd or other metal primer is placed into the crystallizer. The primer has the same diameter as the rod. To draw the rod out of the crystallizer, as

Card 1/2

Continuous cadmium casting into rods

S/137/62/000/005/038/150
A006/A101

it is formed in the unit, the principle of periodical extrusion is employed: the rod formed is drawn out of the crystallizer and is replaced by molten metal, and the extrusion operation is repeated. The rod length depends on the crystallizer length (in the given case, the rod length was 230 mm at a crystallizer length of 300 mm). To ensure continuous operation of rolls, a ratchet with a duplicating device was used. The unit for the continuous casting of Cd into rods can operate on an electric circuit with both manual and automatic control. The efficiency of the unit with one crystallizer is 25 kg/hour. The extrusion speed is 1 mm/sec; duration of the extrusion cycle and the formation of the rod is 5 sec; the rod diameter is 8.5 mm; optimum Cd temperature in the boiler during casting is 350°C; the dimensions of the unit are 1,500 x 1,500 x 800 mm.

O. Svodtseva'

[Abstracter's note: Complete translation]

Card 2/2

MIKHAYLOV, S.; inzhener.

Graphic system of calculating heat losses and heating apparatuses in systems of central heating. Zhil.-kom. khoz. 3 no.3:22-25 Mr '53. (MLRA 6:5)
(Heating from central stations)

~~MIKHAYLOV~~ S.A.; BOGUSLAVSKIY, L.D., redkator; IOSELEVICH, L.Ye.,
redaktor; PETROVSKAYA, Ye., tekhnicheskiiy redaktor

[Graphic method for calculating elements of water heating systems]
Graficheskiiy raschet elementov sistem vodianogo otopeniia. Moskva,
Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 8 p.
(Hot water heating) (MLRA 8:3)

MIKHAYLOV, S., tekhnik-mekhanik

Welded water-heating boiler with the annual capacity of
25000 - 30000 large calories. Sil'.bud. 10 no.8:18
Ag '60. (MIRA 13:8)
(Boilers)

AGAFONOVA, L.I., inzh.; BRODSKIY, V.N., inzh.; MIKHAYLOV, S.A., inzh.

Controlling the "dew-point" temperature in double-ventilator
air-conditioning units. Vod. 1 san. tekhn. no.11:20-22 N '64.
(MIRA 18:2)

MIKHAYLOV, S.; TARENT'YEV, L.; SHIRYAYEV, G.

The GAZ-53^B dump truck. Avt. transp. 43 no.12:42-45 D '65.
(MIRA 18:12)

AKHMETOV, K.T.; POTISHKIN, I.V.; MIKHAYLOV, S.A.; LENKIN, A.I.

Effect of mechanization and automation of metallurgical processes
and equipment on the work composition of nonferrous workers. TSvet.
met. 37 no.6:29-33 Feb '64. (MIRA 17:9)