SPILIADIS, A.; BRETCANU, D.; SCHIP, Rosethea; CORNEA, Virginia; PANFIL, Emilia

Contributions to the study of high dispersion conditions of azoic dispersion dyestuffs. Pt. 1. Rev chimie Min petr 14 no.2:84-90 F '63.

PANFIL', L.S.; KARPOV, A.P.

Increasing the insulation reliability of the foundations of metal structures of overhead contact systems. Trudy OMIIT 41:103-108 '63. (MIRA 18:7)

AKHTYRSKIY, N.P., inzh.; NOVOZHILOV, G.P., inzh.; PANFIL', L.S., inzh.; PAKHOMOV, V.Ya., inzh.

Complex 3.3 Kr. a.c. traction substation. Transp. stroi. 14 no.11:9-13 N '64. (MIRA 18:3)

PANFIL', L.S.; MAKAROV, O.D.

We are using every means for the reduction of operational expenses. Elek. i tepl. tiaga 5 no.3:20-21 Mr '61. (MIRA 14:6)

1. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva Tomskoy dorogi (for Panfil'). 2. Nachal'nik Novosibirskogo uchastka energosnabzheniya (for Makarov).
(Electric railroads--Current supply)

PANFIL', Leonid Semenovich; SIDOROV, N.I., inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Servicing and repairing transformers and oil switches of traction substations; practices of the power sections of the Tomsk and Ufa railroads] Obsluzhivanie i remont transformatorov i maslianykh vykliuchatelei tiagovykh podstantsii; opyt raboty energouchastkov Tomskoi i Ufimskoi zheleznykh dorog. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 88 p. (MLRA 10:1)
(Electric transformers) (Electric switchgear)

VOROZHEYKIN, D.I., inzh.; PANFIL', L.S., inzh.

Instructive lessons; quality of designing and erecting contact networks. Elek. i topl. tiaga no.6:17-19 Je '58. (MIRA 11:6)
(Electric railroads--Wires and wiring)

PANFIL', L.S., inzh.; VORONENKO, A.A., inzh. (g.Ufa)

Improved method for melting the ice crust on the contact net. Elek.i tepl.tiaga 3 no.10:15-16 O '59. (MIRA 13:2)

(Electric railroads--Wires and wiring)

PANFIL', Leonid Semenovich; PERSKIY, G.M., inzh., retsenzent; SHILKIN, P.M., inzh., retsenzent; SIDOROV, N.I., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Safety engineering on electric traction substations] Tekhnika bezopasnosti na tiagovykh podstantsiiakh. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 141 p. (MIRA 14:8)

(Electric railroads—Substations)

PANFIL', L.S.

Twenty-fifth anniversary of the electrification of the Belovo-Novokuznetsk section. Elek.i tepl.tiaga 6 no.5:3 of insert My '62. (MIRA 15:6)

1. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva Zapadno-Sibirskoy dorogi.
(Siberia--Railroads--Electrification)

PANFIL', L.S., inzh. (Novosibirsk)

Improving the standard of the operation of electric power supply systems. Zhel.dor.transp. 44 no.11:71-76 N '62. (MIRA 15:11)

1. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva Zapadno-Sibirskoy dorogi.
(Electric railroads--Substations)

PANFIL', L.S.

Method of clearing ice from 110-kv electric power lines. Elek. i tepl.tiaga 2 no.12:20-21 D '58. (MIRA 12:1)

1. Glavnyy inzh. sluzhby elektrifikatsii i energeticheskogo khozyaystva Ufimskoy dorogi.
(Electric railroads--Wires and wiring--Maintenance and repair)

PANFIL', L.S., inzh.

Study of the operational reliability of the equipment of d.c. traction substations. Trudy MIIT no.199:196-203 '65.
(MIRA 18:8)

MOCHENOV, I.G., kand.tekhn.nauk; DMITRIYEVSKIY, G.V.; PANFIL', L.S.; PAKHOMOV, V.Ya.; VOLKOV, N.N.

Efficiency of voltage regulation at the tractive substations. Zhel.dor. transp. 46 no.11:72-75 N '64. (MIRA 18:1)

1. Glavnyy spetsialist Glavnogo upravleniya elektrifikatsii i energeticheskogo khozyaystva (for Dmitriyevskiy). 2. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva Zapadno-Sibirskoy dorogi (for Panfil'). 3. Glavnyy inzh. sluzhby elektrifikatsii i energeticheskogo khozyaystva Zapadno-Sibirskoy dorogi (for Pakhomov).

PANFIL', L.S., inzhener (Novosibirsk)

Organization of transformer and lubrication shops for electrified mainlines. Zhel.dor.transp.37 no.4:83-84 Ap '56. (MLRA 9:7)
(Electric railroads--Maintenance and repair)

YERSHOV, Ivan Mikhaylovich, kand. tekhn. nauk; PANFIL', Leonid Semenovich, inzh.

[Protection of structures against the action of railroad eddy currents] Zashchita sooruzhenii ot vozdeistviia bluzhdaiushchikh tokov zheleznykh dorog. Moskva, Transport, 1965. 146 p. (MIRA 18:9)

PANFIL', L.S. (Novosibirsk)

Operation of power supply systems on heavy duty main lines. Zhel.dor.transp. 47 no.12:42-47 D '65.

(MIRA 18:12)

1. Nachal'nik sluzhby elektrifikatsii i energeticheskogo khozyaystva Zapadno-Sibirskoy dorogi.

PANFILENKO, O.A.; SAPUNOV, B.N.

Some defects in documentation by medicolegal expert boards. Sud.-med. ekspert. 5 no.1:27-29 Ja-Mr '62. (MIRA 15:4)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir.-prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR.
(MEDICAL JURISPRUDENCE)

PANFILENKO, O.A.

Complications connected with the wrong administration of calcium chloride solutions. Fel'd. i akush. 28 no.3:35-38 Mr'63. (MIRA 16:7)

1. Iz Nauchno-issledovatel'skogo instituta sudebnoy meditsiny Ministerstva zdravookhraneniya SSSR.
(CALCIUM CHLORIDE—THERAPEUTIC USE)

PANFILENKO, Ye.A., direktor tekhnikuma.

Twenty-fifth anniversary of the Building Trades Technical School of the Moscow City Executive Committee. Gor.khoz. Mosk. 29 no.11: 22 N '55. (MLRA 9:3)

(Moscow--Building--Study and teaching)

STATKEVICH, M., polkovnik; PERSHINA, M., podpolkovnik; RAD'KO, V., podpolkovnik; PANFILENOK, podpolkovnik; SELINA, A., podpolkovnik; NIKONOVA, V., podpolkovnik meditsinskoy sluzhby

Features of rear-echelon support of troops in the mountains. Tyl i snab. Sov. Voor. Sil 21 no.1:33-45 Ja '61. (MIRA 14:6)

1. Ofitsery tyla Zakavkazskogo voyennogo okruga.
(Mountain warfare)

ACC NR: AP7002966 (A, N) SOURCE CODE: UR/0413/66/000/024/0045/0045

INVENTOR: Sergeyev, L. V.; Baygozhin, A.; Panfilenok, Ye. I.; Rodionova, M. S.; Bereznikovskaya, L. V.; Latynina, A. I.; Brusilovskiy, P. I.

ORG: none

TITLE: Method of protecting lubricants from biological growth. Class 23, No. 189498

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 45

TOPIC TAGS: lubricant, microorganism contamination, ~~lubricant~~ bactericide

ABSTRACT:
An Author Certificate has been issued for a method of protecting lubricants from biological growth, involving the addition of 0.5—1% 4-caproylresorcinol antiseptic.

SUB CODE: 11/ SUBM DATE: 16Oct65/ ATD PRESS: 5112

Card 1/1 UDC: 621.892.091

PANFILITS, V. K.

Bee Culture

Our plans have been overfilled. Pchelovodstvo 30, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

PANFILO, B.

(3)

11858* (Investigation of the g-Factor of Certain Ferromagnets.) Issledovanie g-faktora nekotorykh ferromagnetikov. P. Galkin, I. Kuprijanov, and B. Panfilov. *Doklady Akademii Nauk SSSR*, v. 95, no. 4, Apr. 1, 1954, p. 749-751. Spectroscopic resolution of wave lengths in 3-cm. band by two methods. Graphs. 2 ref.

10/1/54

PANFILOV, nfu

USSR

Ship's master (S. S. "Revolyutsioner)

ON: Arklanel'sk RSFSR")
Communist party work on ships of
Northern Shipping Administration

Source: N: Morskoy Flot. (Sea Fleet)
2 July, '46, Moscow
Abstracted in USAF "Treasure Island", on file in
Library of Congress, Air Information Division,
Report No. 29997

KOLAR, Milan; PANEK, Vekoslav; SOBOTKA, Vladimir

Rupture of the pancreas as a cause of acute hemorrhage into the abdominal cavity in advanced pregnancy. Cas.lek.cesk. 98 no.43: 1358-1360 23 O '59.

1. Chir. odd. OUNZ v Rokycanech, prednosta MUDr. Richard Schmid. Cyn. porod. odd. OUNZ v Rokycanech, prednosta MUDr. Vekoslav Panek.
(PREGNANCY compl.)
(PANCREAS dis.)
(HEMORRHAGE in pregn.)

PANEK, Ya., inzh., (Chekhoslovatskaya Narodnaya Respublika); NOVOTNYY, V., inzh., (Chekhsolovatskaya Narodnaya Respublika); MORAVOVA, G., inzh., (Chekhsolovatskaya Narodnaya Respublika)

Testing circuit breaders during disconnection of long lines working under no-load operating conditions. Vest.elektroprom. 31 no.1:40-45 Ja '60. (MIRA 13:5)
(Electric circuit breakers--Testing)

BOICHEV,B.;prof.; IKONOMOV,Il.; MATEV,Iv.; MILEV,Tr.; PANEVA-KHOLEVICH,E.; KHOLEVICH,Ia.

Surgery of hand injuries. Khirurgiia,Sofia 13 no.2-3:215-232 '60.
(HAND wds & inj.)

ZAMYATIN, V.A., inzh.; PANFIL, L.S., inzh.

Efficient scheme for feeding electric power to nontraction consumers. Elek.i tepl.tiaga 3 no.12:20-23 D '59. (MIRA 13:4)

(Electric power distribution)
(Electric railroads)

PANFILENKO, O.A.

Determination of puberty in forensic obstetrical and gynecological expertise. Sud.-med. ekspert. 8 no.1:?-16 Ja-Mr '65.
(MIRA 18:5)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR, Moskva.

PANFILOV, A.

PANFILOV, A. and K. ROZHDESTVENSKAIA, eds. Sverdlovsk; [kollektivnyi trud uchenykh, pisatelei, zhurnalistov i kraevedov]. Sverdlovskoe obl. gos. izd-vo, 1946.
DLC: DK651.S8P3

SO: LC, Soviet Geography, Part II, 1951, Unclassified

VAYNER, I., inzh.; BELOV, V., inzh; AFANAS'YEV, A. (g.Lenigrad); BRASLAVSKIY, A. (g.Lenigrad); PANFILOV, A., instrumental'shchik (g.Berdyansk); VOLKOV, I. (Tashkent)

Suggested, created, introduced. Izobr. i rats. no.6:12-13 Je '61. (MIRA 14:6)

1. Zavod "Penzkhimmash" (for Vayner, Belov).
(Technological innovations)

PANFILOV, A., mayor

Scouts penetrate into the depths of the enemy defenses. Voen. vest. 42 no.7:47-50 Jl '62. (MIRA 15:6)
(Military reconnaissance)

PANFILOV, A.; LOBANOV, V.

Trade-Unions - Germany, Western

Right-wing socialist leaders of trade-unions of Western Germany in the service of American imperialism. V pom. profaktivu 13 no. 14, 1952.

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

PANFILOV, A.; LOBANOV, V.

USSR (600)

Germany, Western.- Trade-Unions

Right-wing socialist leaders of trade-unions of Western Germany in the service of American imperialism, V pom. profaktivu, 13, No. 14, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

1. PANFILOV A.

2. USSR (600)

4. Trade-unions

7. Diary of a trade-union organizer. V pom.profaktivu 14 no.1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

GRIGORYAN, Kh.A.; PANFILOV, A.A.; ISAGULYANTS, V.I., akademik

Experience in the direct hydration of vinylacetylene in the presence of ion exchange resins. Dokl.AN Arm.SSR 35 no.1:33-36 '62. (MIRA 15:8)

1. ArmNII Khimproyekt. 2. AN Armyanskoy SSR (for Isagulyants).
2. Akademiya nauk Armyanskoy SSR (for Isagulyants).
(Butenyne) (Hydration) (Ion exchange resins)

L 34391-66 EWT(1)

ACC NR: AP6022004 SOURCE CODE: UR/0120/66/000/003/0101/0107

AUTHOR: Gel'tsel', M. Yu.; Panfilov, A. D.; Panasyuk, V. S.; Sobolev, S. S.; Yudin, L. I.

ORG: Institute of Nuclear Physics, SO AN SSSR, Novosibirsk (Institut yadernoy fiziki, SO AN SSSR)

TITLE: High-voltage nanosecond pulse generator

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 101-107

TOPIC TAGS: nanosecond pulse, pulse generator, thyratron

ABSTRACT: A high-voltage pulse generator is described which develops 5—50 nsec square pulses of up to 50 kv with rise times from 1 to 5 nsec. The basic circuit consists of a thyratron, anode pulse-forming line, and a cathode output featuring a coaxial line with square-loop ferrite as a nonlinear pulse-forming element. In Fig. 1 is shown one design variant, and in Fig. 2 is shown the ferrite line detail. Another feature of the circuit is the balanced-T form of line termination, which has one arm shorted and the other terminated in a small lumped capacitance, providing a reflection-free pulse output. If the pulse were used, for example, to gate a particle beam passing between plane electrodes, the inherent capacity of the electrodes could act as the required terminating load. Design parameters, including coupling

Card 1/2 UDC: 621.374.2

L 34381-66

ACC NR: AP6022004

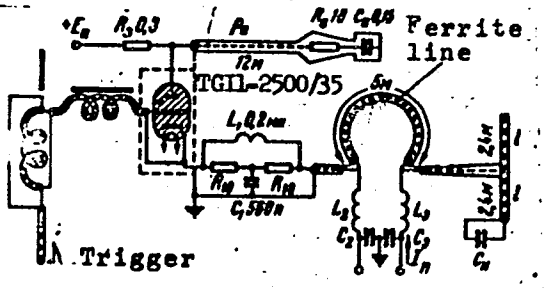


Fig. 1. Nanosecond pulse generator

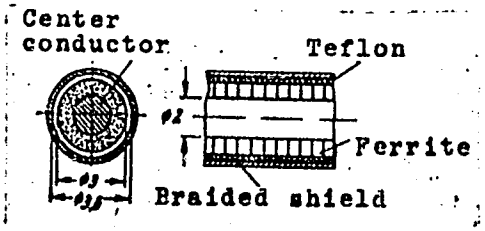


Fig. 2. Nonlinear ferrite line

and matching refinements, are treated at length. Circuit stability is rated good, with a firing-time jitter of not worse than 1 nsec rms. This design has been in use over a year, and has proven unusually reliable. Orig. art. has: 10 figures. [SH]

SUB CODE: 09/ SUBM DATE: 13Apr65/ ORIG REF: 005/ OTH REF: 002
ATD PRESS: 5034

Card 2/2

ACC NR: AT7004004 SOURCE CODE: UR/0000/66/000/000/0278/0286

AUTHOR: Gel'tsel', M. Yu.; Panasyuk, V. S.; Panfilov, A. D.; Sobolev, S. S.; Yudin, L. I.

ORG: Institute of Nuclear Physics, SO AN SSSR (Institut yadernoy fiziki SO AN SSSR)

TITLE: Nanosecond-pulse generator intended for synchrotron inflector

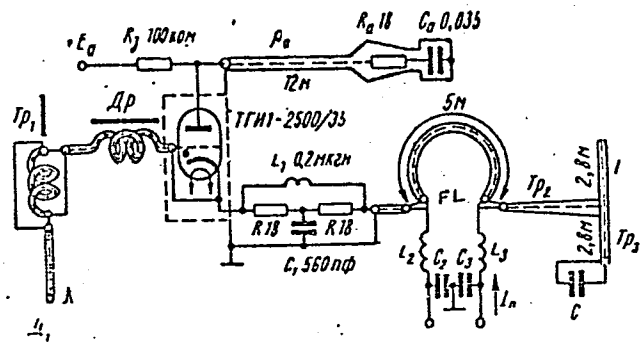
SOURCE: Mezhvuzovskaya konferentsiya po elektronnym uskoritelyam. 5th, Tomsk, 1964. Elektronnyye uskoriteli (Electron accelerators); trudy konferentsii. Moscow, Atomizdat, 1966, 278-286

TOPIC TAGS: nanosecond pulse, pulse generator, synchrotron

ABSTRACT: The development of a 30-nanosecond-pulse generator is reported; rise time, 5 nsec; pulse height, 50 kv; repetition rate, 50 cps. The generator (see figure) comprises a switching hydrogen thyratron, a 5-m long externally magnetized oil-immersed ferrite line FL, and a T-shaper with one arm short-circuited and another connected to inflector plates C. The ferrite-line stability remains within 1 nsec if the voltage at each point is stabilized within 1%; with an

Card 1/2

ACC NR: AT7004004



initial magnetization of 0.2 amp/cm or more, the delay is practically independent of magnetization. The T-shaper has no reflected signals, which enhances the efficiency of entrainment of injected particles. Experiments with the above generator have shown that the maximum time variation, between thyratron firing and appearance of voltage at C, is ± 5 nsec for anode voltages within 10—35 kv. Generators built along the above lines have been in operation in the IYaF SO AN SSSR for about one year. "In conclusion, the authors wish to thank A. A. Naumov for organizing this project and I. G. Katayev for his advice." Orig. art. has: 7 figures and 6 formulas.

SUB CODE: 09 / SUBM DATE: 06Mar66 / ORIG REF: 009

Card 2/2

L 16714-65 EWT(1)/EEC(k)-2/EWA(h) Pab

ACCESSION NR: AP5011883 UR/0120/65/000/002/0121/0126

AUTHOR: Gol'tsel', M. Y.; [illegible]

TITLE: [illegible] of hydrogen thyratrons in the nanosecond range

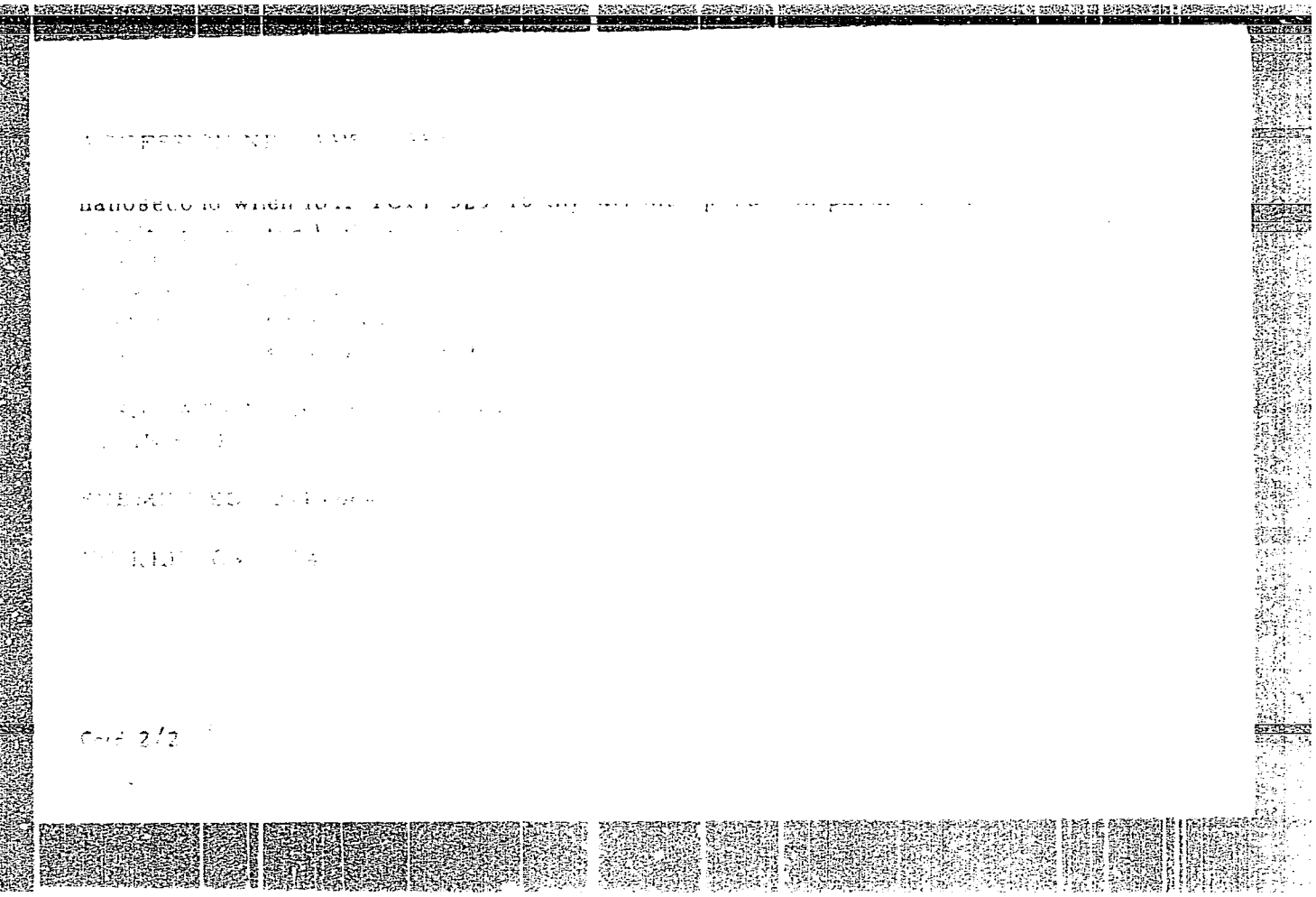
SOURCE: [illegible] eksperimenta, no. 2, 1965, 121-126

TOPIC TAGS: thyratron, hydrogen [illegible]

ABSTRACT: [illegible] of an experimental investigation [illegible]

thyratrons were tested [illegible]
TGI1-2500/35. Conditions were found which ensure [illegible] behind the initiating pulse of 5[illegible]-2[illegible] nsec.

thyratrons are operable [illegible]



ACC NR: AP7002598 (A, N) SOURCE CODE: UR/0413/66/000/023/0104/0104

INVENTORS: Panfilov, A. F.; Maslennikov, A. P.; Gus'kov, B. N.

ORG: none

TITLE: A gas pressure regulator. Class 42, No. 189241

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 104

TOPIC TAGS: gas pressure, pressure gage, automatic pressure control, pressure regulator

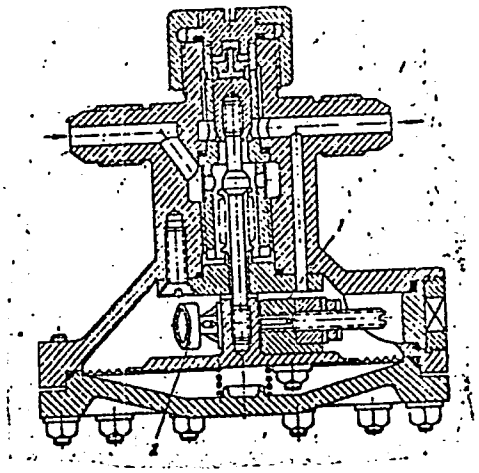
ABSTRACT: This Author Certificate presents a gas pressure regulator with a throttling unit operated by a spring-loaded membrane. The opening above the membrane of this unit is connected with the outflow opening of the regulator by a duct. The opening below the membrane is connected to the opening above the membrane through an auxiliary pressure regulator (see Fig. 1). To decrease the size of the regulator, the sensitive element of the auxiliary regulator is made in the shape of a Bourdon tube.

Card 1/2 UDC: 66.073.4:621.646.42

0930 3709

ACC NR: AP7002598

Fig. 1. 1 - auxiliary regulator;
2 - sensitive element



Orig. art. has: 1 figure.

SUB CODE: 13, 21/ SUBM DATE: 02Aug65

SOURCE: Morskoy sbornik, no. 5, 1965, 77-81

TOPIC [illegible] motor, helicopter pad, naval [illegible]
tion, Ka-15 helicopter, Mi-4 hel[illegible]

ABSTRACT:
size and raised appre[illegible]
[illegible] land. This a[illegible]
[illegible]
helicopter, which has a takeoff weight of [illegible] kg.
It must always be kept in mind that the helicopter under discussion takes
[illegible] of limited size which is considerably elevated above
[illegible] surface and that [illegible]
[illegible] limited to a [illegible]

Card [illegible]

L 47758-65
ACCESSION NR: AP5013223

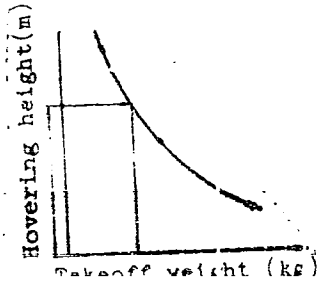
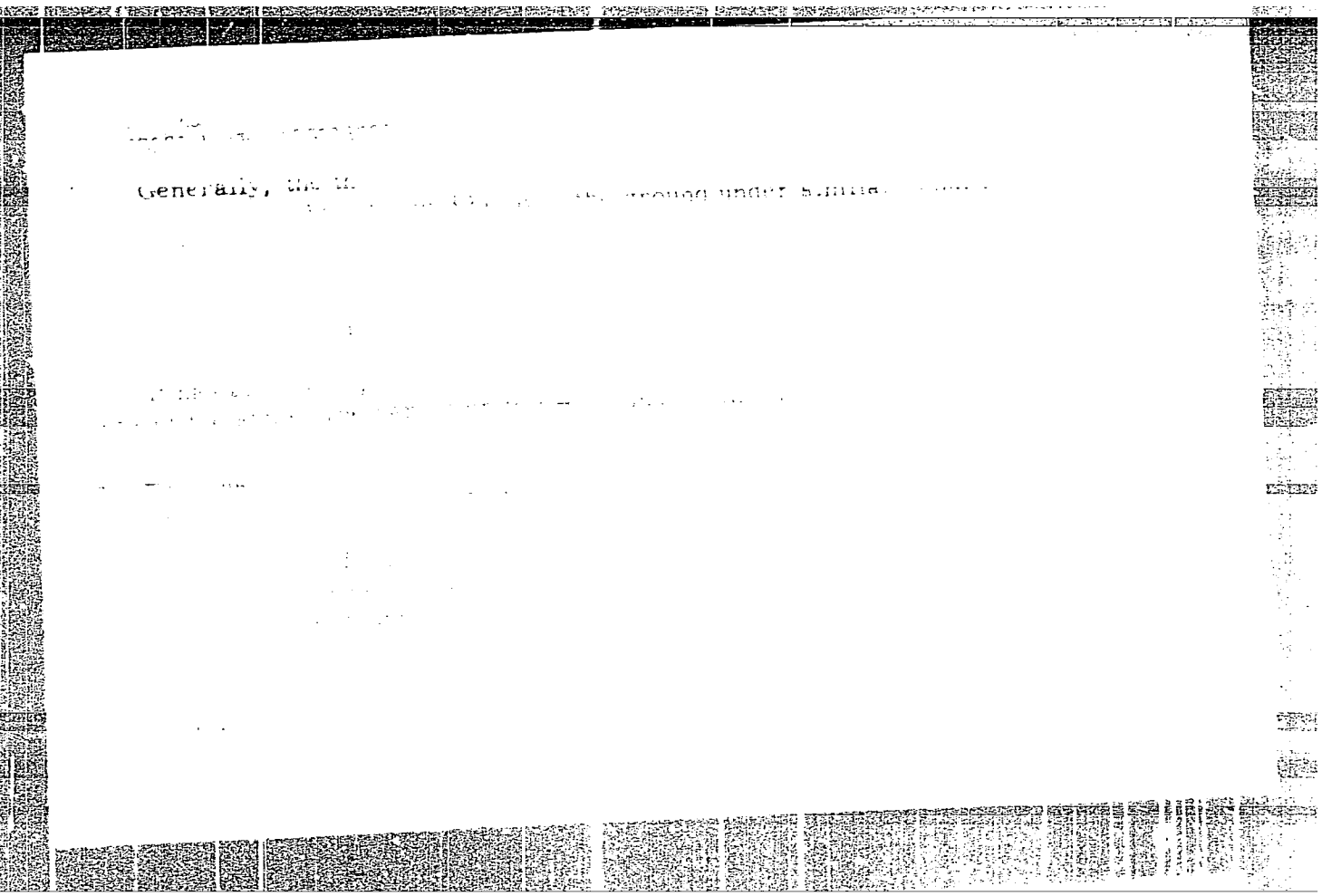


Fig. 1. Maximum payload while hovering

Depending on the type of ship, the elevation of the helicopter platform above the water's surface is between [illegible] during landing and [illegible]

Card 2/5



ACCESSION NR: AP

payloads and that the

possible pay-
by an "air cushion."

In a discussion of the peculiarities of using helicopters in marine
... the engine and overspeeding

direction of the resulting ... output.

Card

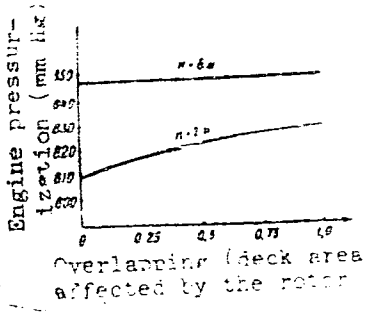
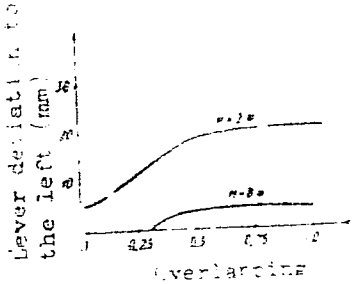


Fig. 2. Pressurization [illegible]
made during transition [illegible]



[illegible]
relative to overlapping

Card [illegible]/[illegible]

a landing can be made with a ship [illegible]
must be coated with a special gum mastic and covered with a network of
hemp ropes in order to avoid skidding. A takeoff from a rolling ship must
be accomplished at the moment the platform is in a nearly horizontal plane
and it must be taken into consideration which side of the ship will be in-
[illegible] when the helicopter passes over the ship's side.

SUBMITTED: DO ENCL: 00
NO REF SOV: 000 OTHER: 000 ATD PRESS: 3252-P

BAKUNIN, A.V., dotsent, kand. istoricheskikh nauk; DOLGINTSEV, G.M., dotsent, kand. istoricheskikh nauk; PANFILOV, A.P., dotsent, kand. iskusstv. nauk; PLOTNIKOV, I.F., dotsent, kand. istoricheskikh nauk

The party organization of Sverdlovsk Province in the struggle for strengthening the cooperation between science and industry. Sbor. nauch. trud. Ural. politekh. inst. no.122:5-28 '61. (MIRA 17:12)

SOV/3-59-3-15/48

22(1)

AUTHORS: Zaostrovskiy, F.P., and Panfilov, A.P.

TITLE: For Creative Cooperation With the Brigades of Communist Labor (Za tvorcheskoye sodruzhestvo s brigadami kommunisticheskogo truda)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 28-30 (USSR)

ABSTRACT: The development of Brigades of Communist Labor will help to solve the new problems raised by the 21st Party Congress. Their solution will in many respects depend on raising labor productivity, introducing new engineering methods and advanced technology. To assist the workers of the Ural'skiy zavod tyazhëlogo mashinostroyeniya imeni S. Ordzhonikidze (Ural Heavy Equipment Plant imeni S. Ordzhonikidze) (Uralmashzavod) in this cause, scientists of the Ural Polytechnical Institute, the Professors S.I. Semaoylov and I.Ya. Tarnovskiy, the Docents A.A. Spiridonov and Yu.P. Poruchikov have visited the working places and thoroughly studied labor conditions. As a result, a

Card 1/3

For Creative Cooperation With the Brigades of Communist Labor

equip the industrial workers with knowledge in the field of engineering and advanced technology are to be organized. Several of these schools have already been organized and their curricula and programs drawn up.

ASSOCIATION: Ural'skiy politekhnicheskiy institut imeni S.M. Kirova (Ural Polytechnical Institute imeni S.M. Kirov)

BAKUNIN, A.V., kand.istor.nauk; PANFILOV, A.P., kand.iskuss.nauk; DOLGINTSEV, G.M., starshiy prepodavatel'

From the work practice of industry in the Sverdlovsk Economic Region under new conditions. Trudy Ural. politekh. inst. no.95:25-40 '59. (MIRA 13:8)
(Sverdlovsk Province--Industries)

MELLENTHIN, Friedrich Wilhelm von (1904-); VIDUYETSKIY, P.N., [translator]; SAVVIN, V.I., [translator]; PANFILOV, A.P., red.

[Panzer battles, 1939-1945; a study of the employment of armor in the Second World War] Boevoe primenenie tankov vo vtoroi mirovoi voine. Moskva, Izd-vo inostrannoi lit-ry, 1957. Translated from the English. 302 p. (MIRA 11:12)

(World War, 1939-1945--Campaigns)
(Tank warfare)

PANFILOV, Aleksandr Petrovich, formovshchik; YEHEL'YANOVA, Ye.V., red.; FEDOROV, S.S., tekhn. red.

[My experience in mold making] Moi opyt raboty na formovke. [Leningrad] Leningr. gazetno-zhurnal'noe i knizhnoe izd-vo, 1955. 75 p. (MIRA 11:10)

(Molding (Founding))

PANFILOV, A.S., podpolkovnik med. sluzhby; VARVARIN, V.P., podpolkovnik med. sluzhby

Study of thermoregulation in flight personnel for the use of aviation medical expertise. Voen.-med.zhur. no.11:56-59 '64. (MIRA 18:5)

L 12149-66 EWT(1)/EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b) IJP(c) JD

ACC NR: AP6002463 SOURCE CODE: UR/0386/65/002/011/0501/0502

AUTHOR: Svechkarev, I. V.; Panfilov, A. S.

ORG: Physicotechnical Institute of Low Temperatures, Academy of Sciences, UkrSSR, Khar'kov (Fiziko-tekhnicheskiy institut nizkikh temperatur Akademii nauk UkrSSR)

TITLE: Effect of pressure on the magnetic susceptibility of manganese and scandium

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 11, 501-502

TOPIC TAGS: magnetic susceptibility, pressure effect, manganese, scandium, paramagnetism, magnetic field

ABSTRACT: In view of the fact that serious technical difficulties have hitherto hindered investigations of the variations of the susceptibility $\chi_{sp}(P)$ of weakly-magnetic metals and their alloys, the authors made a direct study of the behavior of $\chi_{sp}(P)$ near room temperature using a method wherein the sample was freely suspended in a magnetic field at a hydrostatic pressure up to 2000 atm. The preliminary measurement results obtained during the trials of the method on manganese and scandium are shown in the figure. The obtained values of $\kappa \equiv (1/\chi^0_{sp})(\partial\chi_{sp}/\partial P)$ are $\kappa_{Mn} = -9.6 \times 10^{-6}$ atm^{-1} ± 20% and $\kappa_{Sc} = -1.3 \times 10^{-6}$ atm^{-1} ± 40%. An analysis of

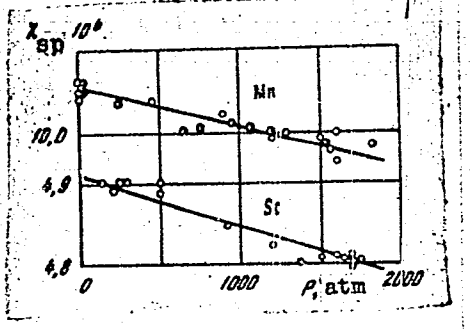
Card 1/2

L 12149-66

ACC NR: AF6002463

9

the sources of errors and their estimate will be published in the near future in connection with a more detailed description of the method. Since the state density per atom on the Fermi boundary of the investigated metals is quite high, it is possible to attribute their paramagnetism to the Pauli contribution. For one parabolic band, κ is then expressed simply in terms of the compressibility ($\kappa = 2k/3$), amounting to -0.53×10^{-6} and -1.4×10^{-6} atm^{-1} for manganese and scandium, respectively, or one order of magnitude lower than the measured values. This indicates that some uncertainty in the obtained results does not prevent their use for more detailed analyses. Authors are grateful to B. I. Verkin for interest and attention, and to V. V. Yeremenko and L. Ye Danilenko for graciously supplying the metal samples. Orig. art. has: 1 figure.



$\chi_{sp}(P)$ of electrolytic manganese (different values correspond to two samples of one material) and scandium (polycrystal).

SUB CODE: 20/ SUBM DATE: 160ct65/ ORIG REF: 001/ OTH REF: 004/

Card 2/2

SVECHKAREV, I.V.; PANFILOV, A.S.

Effect of pressure on the magnetic susceptibility of manganese and scandium. Pis'. v red. Zhur. eksper. i teoret. fiz. 2 no. 11:501-502 D '65 (MIRA 19:1)

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR, Khar'kov. Submitted October 16, 1965.

VARVARIN, V.P., podpolkovnik meditsinskoy sluzhby; PANFILOV, A.S., podpolkovnik meditsinskoy sluzhby

Dysfunction of the thyroid gland in the etiology of vascular-vegetative disorders. Voen.-med.zhur. no.9:66-68 S '59. (MIRA 13:1)
(NEUROCIRCULATORY ASTHENIA, etiology)
(THYROID GLAND, diseases)
(AVIATORS, diseases)

VYADRO, M.D., podpolkovnik meditsinskoy sluzhby, kand.med.nauk; PANFILOV, A.S., podpolkovnik meditsinskoy sluzhby

Decompression disorders in aviators in flight. Voen.-med. zhur. no. 1:62-65 Ja '60. (MIRA 14:2)
(DECOMPRESSION SICKNESS) (AVIATION MEDICINE)

UDACHIN, S.A., red.; PANFILOV, A.T., red.; KORNYSHO, Ye.G., red.; PEVZNER, V.I., tekhn.red.; DEYEVA, V.M., tekhn.red.

[Handbook for the land-use planner] Spravochnik zemleustroitelia. Pod red. S.A.Udachina i A.T.Panfilova. Moskva, Izd-vo sel'khoz.lit-ry zhurnalov i plakatov, 1961. 439 p. (MIRA 14:12)

(Regional planning) (Land)

MASLOV, Aleksey Vasil'yevich; PANFILOV, A.T., red.; ZUBAKOV, A.G., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Instructions for plane-table and theodolite surveys at a scale of 1:10,000] Nastavlenie po proizvodstvu menzul'nykh i teodolitnykh s"emok v masshtabe 1:10 000. 3., ispr. izd. Moskva, Izd-vo geodez.lit-ry, 1961. 327 p. (MIRA 15:1)
(Surveying)

PANFILOV, A.T.

Keeping land records and planning land use in Czechoslovakia.
Zemledelie 7 no.8:91-93 Ag '59. (MIRA 12:10)

1.Nachal'nik gosudarstvennoy inspektsii po zemlepol'zovaniyu i zemleustroystvu.
(Czechoslovakia--Land)

PANFILOV, A.T.

Efficient utilization of aldn in erosion zones. Zemledelie 23 no.3; 65-68 Mr '61. (MIRA 14:3)

1. Nachal'nik Gosudarstvennoy inspektii po zemlepol'zovaniyu i zemleustroystvu Ministerstva sel'skogo khozyaystva SSSR.
(Soil conservation)

PANFILOV, A.T.

State record of lands and their use. Zemledelie 7 no.2:76-79 F '59. (MIRA 12:3)

1.Glavnyy inspektor po zemlepol'zovaniyu i zemleustroystvu Ministerstva sel'skogo khozyaystva SSSR.
(Land)

PANFILOV, A.T.

Basic problems of land utilization in the U.S.S.R. Zemledelie 6 no.9:78-85 S '58. (MIRA 11:9)
(Land)

MASLOV, Aleksey Vasil'yevich; PANFILOV, A.T., red.; ZUBAKOV, A.G., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Directions for plane-table and theodolite surveys at a scale of 1:10,000] Nastavlenie po proizvodstvu menzul'nykh i teodolitnykh s"emok v mashtabe 1:10,000. Izd.3., ispr. Moskva, Izd-vo geodez. lit-ry, 1961. 327 p. (MIRA 15:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya inspektsiya po zemlepol'zovaniyu i zemleustroystvu.
(Surveying)

3 (4)
AUTHOR: None Given

SOV/6-59-5-24/26

TITLE: Chronicle (Khronika)

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 5, p 76 (USSR)

ABSTRACT: From March 17, to 20, 1959, the regular conference was held at the Moskovskiy institut inzhenerov zemleustroystva (Moscow Institute of Land Survey Engineers). The conference was attended by about 400 representatives of schools, scientific research institutes, and various production organizations. In the plenary assembly, the following papers were read: Professor S. A. Udachin, Corresponding Member of the VASKhNIL (All-Union Academy of Agricultural Sciences imeni V. I. Lenin), "Tasks of Land Survey and Land Survey Science in the Light of the Resolutions of the 21st Party Congress of the CPSS." A. T. Panfilov, Representative of the Ministerstvo sel'skogo khozyaystva SSSR (Ministry of Agriculture of the USSR), "Basic Problems of Land Survey in the USSR." Professor N. V. Bochkov "Problems of Registration and of the Investigation of Soils in the Kolkhoz." In the Land Survey Section, 10 papers were read. - In the Geodetic Section, the following papers were read:

Card 1/2

Ye. G. Larchenke, Doctor of Technical Sciences, "On the Approximation Method for the Estimation of the Accuracy of Calculation Results." Yu. V. Kemnits, Candidate of Technical Sciences, "New Patterns for the Solution of Normal Equations." - M. Kh. Muzafarov, Candidate of Technical Sciences, "Employment of the Indications of the Radio Altimeter for the Compilation of Approximately Oriented Photographic Maps." Ya. I. Gebgart, Candidate of Technical Sciences, "Production of Plans by the Aid of a Compiling Device." N. M. Pazel'skiy, Engineer of the Tsentral'noye predpriyatiye sel'khozaeros"yemki (Central Establishment for Agricultural Aerial Photography), "Experience Gained in the Production of Plans of a Mountainous Terrain for Agricultural Purposes, With the Employment of Topographical Maps." - Ya. I. Yurovskiy, Candidate of Technical Sciences, and Post-Graduate Student K. A. Zykov "On the Application of the Radio-geodetic System of the TsNIIGAiK (Central Scientific Research Institute of Geodesy, Aerial Survey and Cartography) to Aerial Photography." - Headmaster F. M. Yanshev "Chances of the Use of a Leveling Instrument With a Self-adjusting Line of Sight in Geodetic Work for Agriculture."

Properties & Tests

The Influence of the Quality of the Machined Surface on the Resistance to Failure Under Single or Repeated Impacts. G. I. Pogodin-Alekseev and A. V. Panfilov. (*Stanki i Instrument*, 1951, No. 4, 22-23). [In Russian]. An investigation of the influence of surface quality on the resistance to impact of smooth and notched specimens of two carbon steels in the temperature range + 20° to − 160° C. is reported. The influence was considerable for both single and repeated impacts, being somewhat less for the latter. Improving the surface lowered the mean temperature of the brittle temperature range. There is an optimum surface quality which secures adequate resistance to failure without making machining difficult.— S. K.

PANFILOV, B.

GAL'PERIN, F.; KUPRIYANOV, I.; PANFILOV, B.

Investigation of the g-factor of various ferromagnets. Dokl.AN SSSR 95 no.4:749-751 Ap '54. (MLRA 7:3)

(Electromagnets) (Magnetic materials)

PANFILOV, B.

62

The g-factor of some ferromagnetics. P. M. Gal'perin, I. Kupriyanov and B. Panfilov. *Doklady Akad. Nauk S.S.S.R.* 68, 749-51(1949).—The ferromagnetic materials, $MnO.(Fe_2O_3)_5$ and $(Mn, Zn)O.Fe_2O_3$, were studied. They were obtained by the method of reaction in the solid phase, providing practically pure substances. The g-factor was measured by spectroscopic split. in a 3-cm. wave-length range. The error involved in calcn. of the g-factor rests in the inaccuracies in measuring the field and the wave length. The latter was detd. with an accuracy up to 0.1%. The error in detg. the field amounted to little more than 1%. The max. error was equal to 1%, which for $g = 2$ amounts to approx. 0.02.

Gladys S. Hall

PANFILOV, B.I.

The reconditinning of the worn nest of the anvil block for strengthening of the lower hammer head.

Vest Mash, p. 33 Sep 51

PANFILOV, B.I.; FEDOROS'YEV, N.N.

Enthalpy of the formation of zinc titanates. Zhur. neorg. khim. 10 no.1:298-299 10 no.1:298-299 Je '65.
(MIRA 18:11)

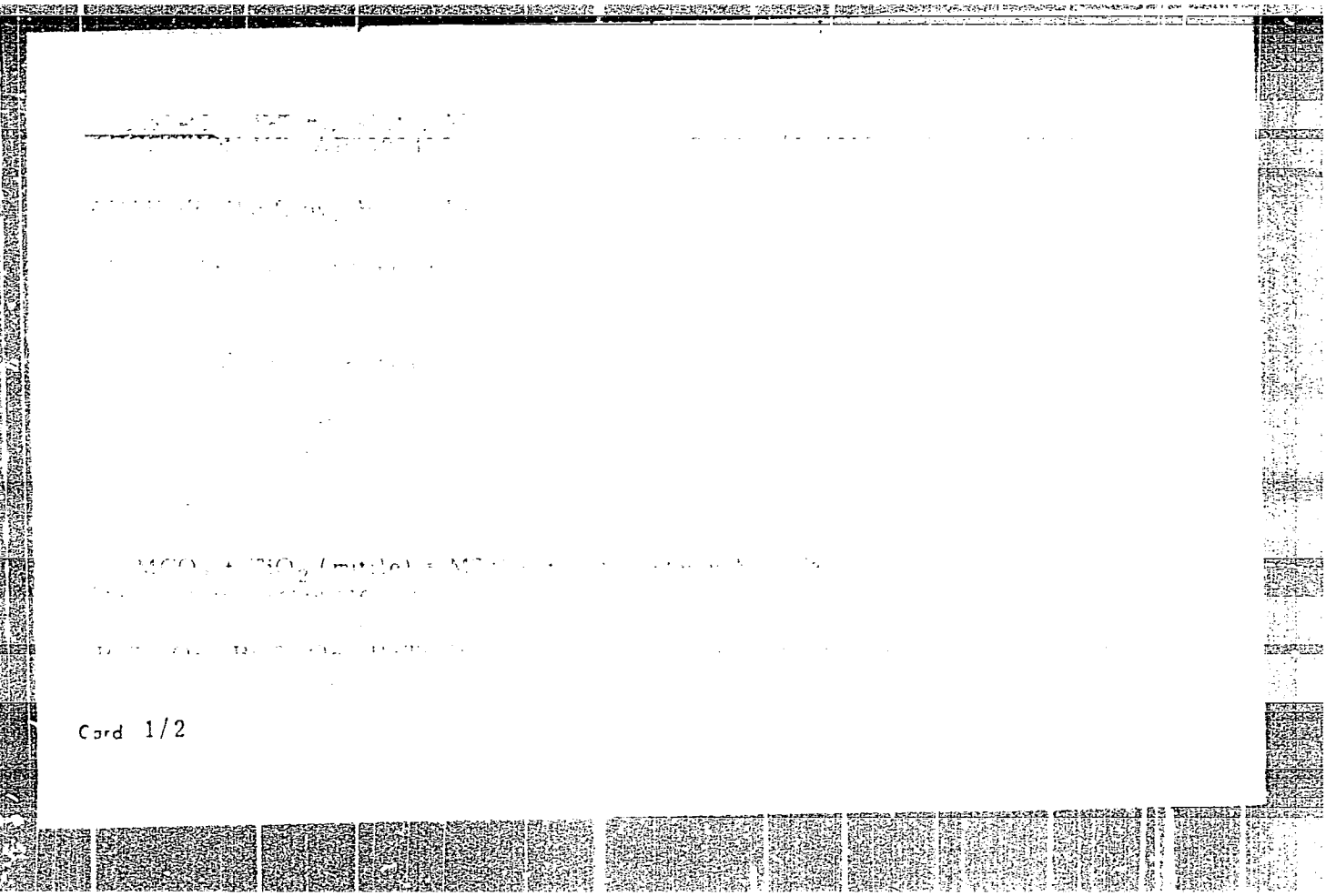
1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted May 16, 1964.

PANFILOV, B.I., inzh.

Mechanized storeroom for keeping large dies. Mekh. i avtom. proizv. 15 no. 5:15-18 My '61. (MIRA 14:5)
(Dies (Metalworking)—Storage)

PANFILOV, B.I., inzh.

Intershop suspended cable conveyer. Mekh.i avtom.proiz. 14 no.6: 43-45 Je '60. (MIRA 13:7)
(Conveying machinery)



Card 1/2

I 23492-65

NR REF SOV 008 OTHER: 012

ACCESSION NR: AP5000493

TITLE: The heat of formation of the metatitanates of calcium

TOPIC TAGS: metatitanate, heat of formation, calcium metatitanate, strontium metatitanate, barium metatitanate, calorimetric bomb method

bustible part was determined colorimetrically). It also formed other oxides ($BaTi_2O_5$, $BaTi_3O_7$, $BaTi_4O_9$), in addition to the metatitanate, while the other two elements formed only metatitanates. In determining the value ΔH, a correct-

L 23492-65
ACCESSION NR: AP5000493

for was introduced, in consideration of the variable pressure present during the

[illegible] satisfactorily with those found [illegible]

ASSOCIATION: Rostovskiy-na-Donu gosudarstvenny*y universitet (Rostov-on-the-Don State University)

SUBMITTED: 11Jun63 ENCL: 00 SUB CODE: MM, GC

NR REF SOV: 008 OTHER: 012

Card 2/2

PANFILOV, B.I.; FEODOS'YEV, N.N.

Enthalpies of the formation of sodium, potassium, and barium metatitanates. Zhur.neorg.khim. 10 no.8:1844-1847 Ag '65. (MIRA 19:1)

1. Rostovskiy-na-Donu gosudarstvennyy universitet. Submitted June 25, 1964.

PANFILOV, B.I.; FEODOS'YEV, N.N.

Heats of formation of calcium, strontium, and barium metatitanates. Zhur. neorg. khim. 9 no.12:2685-2692 D '64.

Heats of formation of lithium and magnesium metatitanates. Ibid.:2693-2697

(MIRA 18:2)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

TITLE: Enthalpy of

L 4[illegible]
ACCESSION NR: AP5002810

State University)

SUBMITTED: 16May64 ENCL: 00 SUB CODE: [illegible]

NR REF SOV: 002 OTHER: 002

EWT(m)/EPR/EWP(t)/EWP(b) Ps-4 IJP(c) JD/JW

AUTHOR: Panfilov, B. I.; Feodos'yev, N. N.

TITLE: The heat of formation of lithium and magnesium metatitanates

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 12, 1964,

TOPIC TAGS: lithium metatitanate, magnesium metatitanate, reaction phase analysis, calorimetric

ABSTRACT: This was determined by the calorimetric bomb technique, according to the reaction:

$Li_2CO_3 + TiO_2 = Li_2TiO_3 + CO_2$ and $MgO + TiO_2 = MgTiO_3$

In the first reaction, chemical phase analysis was conducted to determine the non-reacted TiO_2 and Li_2CO_3 ... the same applied to the second reaction ... 29.6 kcal/mole for the ... compound, 5.5 kcal/mole for the Mg

Card 1/2

L 23191-65
ACCESSION NR: AP5000494

1.2 kcal/mole for $MgTiO_3$ by the [illegible]

ASSOCIATION: Rostovkiy-na-Donu gosudarstvenny*y universitet (Rostov-on-Don State University)

SUBMITTED: 04Dec63 ENCL: 00 SUB CODE: IC, GC

NR REF SOV: 003 OTHER: 005

Card 2/2

PANFILOV, B.I.

Fork-lift loader fixed on a two-arm bracket crane. Biul. tekh.-ekon. inform. Gos. nauch.-issl. nauch. i tekh. inform. 17 no.9: 77-78 S '64 (MIRA 18:1)

PANFILOV, P. I.

V.E. Komarov, turner-innovator. Mashinostroitel' no.8:35-36 Ag '57.
(Lathes) (MLRA 10:8)

PANFILOV, B.I., inzhener.

Light pneumatic cantilever crane. Mekh.trud.rab.10 no.10:42 O '56.
(Cranes, derricks, etc.) (MIRA 10:1)

PANFILOV, B.K.

Tonus of the skeletal muscles and the venous influx. Vrach. delo no.1:58-61 Ja'64 (MIRA 17:3)

1. Kafedra propedevtiki vnutrennikh bolezney (zav. - prof. A.M. Damir) Vtorogo Moskovskogo meditsinskogo instituta imeni Pirogova.

PANFILOV, B.K.

Functional state of the skeletal musculature in aortic stenosis. Ter. arkh. 35 no.4:86-88 Ap'63 (MIRA 17:1)

1. Iz kafedry propedevtiki vnutrennikh bolezney pediatricheskogo fakul'teta (zav. - prof. A.M.Damir) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

PANFILOV, B.K.

Dynamometry as an objective index of the functional state of skeletal musculature in mitral stenosis. Sov. med. 26 no.11:29-33 N'62 (MIRA 17:3)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof. A.M. Damir) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

PANFILOV, B. K. (Moskva)

Technic for measuring the tonus of the skeletal muscles. Klin. med. 40 no.7:65-69 Jl '62. (MIRA 15:7)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof. A. M. Damir) II Moskovskogo meditsinskogo instituta imeni N. I. Pirogova.

(MUSCLES)

PANFILOV, B.K.

Tonus of the skeletal musculature as the third factor of blood circulation in mitral stenosis at various stages in the development of the defect. Kardiologiia 2 no.1:53-58 Ja-F '62. (MIRA 15:5)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof. A.M. Damir) 2-go Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I.Pirogova.
(MITRAL VALVE--DISEASES) (BLOOD--CIRCULATION, DISORDERS OF)
(MUSCLES)

PANFILOV, B. K.

Effect of mitral commissurotomy on the skeletal muscle tonus. Terap. arkh. no.9:31-35 '61. (MIRA 15:2)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof. A. M. Damir) II Moskovskogo meditsinskogo instituta imeni N. I. Pirogova.

(MITRAL VALVE--SURGERY) (MUSCLE)

AUTHOR: Dmitrakova, G. ...; Panil..., ...

SOURCE: ... 1962. Magnitnyye elementy avtomatiki, telemekhaniki, izmeritel'noy i vychislitel'noy tekhniki. Lvov, 1962. Magnitnyye elementy avtomatiki, telemekhaniki, izmeritel'noy i vychislitel'noy tekhniki (Magnetic elements of automatic control, remote control, measurement and computer engineering); trudy soveshchaniya. Kiev, Naukova dumka, 1964, 386-390

TOPIC TAGS: ferrite diode module, ferrite germanium diode, automatic control system, magnetic memory, logical circuit

ABSTRACT: Three-stroke magnetic elements developed by the Laboratoriya elektromodelirovaniya (Electrosimulation Laboratory) have been widely used in automatic devices and in computers. They are based on the consecutive current transmission

Card 1/...

L 52035-65
ACCESSION NR: AT5011611

based on the more economical blocking by means of germanium point diodes in place of selenium valves. In these modules, the blocking is based on the compensation of output voltages and the prototype worked satisfactorily down to -30C. [illegible] mass production of these elements was [illegible]

[illegible]

SUBMITTED: 29Sep64 [illegible]

Card 2/2

ACCESSION NR: AT4026348 S/0000/62/000/000/0113/0116

AUTHOR: Panfilov, B. M.

TITLE: Pulse supply source for three-cycle magnetic elements

SOURCE: Konferentsiya po obrabotke informatsii, mashinnomu perevodu i avtomaticheskomu chteniyu teksta. Moscow, 1961. Vy*chislitel'naya i informatsionnaya tekhnika (Information processing and computer technology); sbornik materialov konferentsii. Moscow, 1962, 113-116

TOPIC TAGS: circuit design, power supply, pulse source, magnetic element pulse source

ABSTRACT: The author describes the IIP-3-250 pulse source, developed at the Laboratoriya elektromodelirovaniya (Electrosimulation Laboratory) and designed to power three-cycle magnetic elements. The source forms current pulses which are phase-shifted 120° with respect to one another. The device provides about 5.5 amperes current in each channel when working with 250 - 750 magnetic elements at a pulse train rate of f = 1 - 3 kc. The duration of the precessive pulses is 7.5 - 10 microseconds. The rise time of the leading edge of the pulse is 3.4 - 4.5 microseconds. The circuit diagram consists of a single-cycle shift register, closed in a ring. Register elements are a transformer and thyratron. A blocking generator is used as the precessive pulse source

Card 1/2

ACCESSION NR: AT4026348

for the register. The operational principle of the unit is described in the article. Performance data and recommendations on adjusting the device are provided by the author. The author expresses his gratitude to M. P. Isakova, T. V. Dmitriyevna, S. T. Kivenko and M. E. Pary*lis, all of whom participated at various stages in the development of the instrument. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: CP NO REF SOV: 000 OTHER: 000

Card 2/2