MEN'KOVSKIY, V.N.; VOLKOV, A.S.

Reinforcing well walls by freezing. Razved. i okh. nedr 30 no.12: 46-48 D '64. (MIRA 18:4)

VAL'SHTEYN, G.I.; VOLKOV, A.S.; TROFIMOV, V.P.

Basic measures to control the swelling of ground rock in development workings. Nauch. trudy KNIUI no.14:321-325 '64. (MIRA 18:4)

VOLKOV, A.S.

Problems of multi-hole test drilling. Izv.vys.ucheb.zav.; geol. i razv. 8 no.10:131-133 O '65.
(MIRA 19:1)

1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.

VOLOKITENKOV, Aleksey Andreyevich; VOLKOV, Aleksandr Spiridonovich; VOZDVIZHENSKIY, B.I., red.

[Making artificial walls and divider bridges in boreholes] Ustanovka iskusstvennykh zaboev i razdelitel'nykh mostov v burovykh skvazhinakh. Moskva, Nedra, 1965. 68 p. (MIRA 18:9)

VOLKOV, A.S., inzh.

Metal structure welding in an atmosphere of carbon dioxide. Svar.proizv. no.7:26-27 Jl '60. (MIRA 13:7)

1. Podol'skiy zavod im.Ordzhonikidze.
(Structural frames—Welding)
(Protective atmospheres)

PENCHUL, A.F.; VOLKOV, A.S.

Protecting wire tensometers from water at a higher temperatures.
Zav.lab. 26 no.3:379-380 '60. (MIRA 13:6)
(Strain gauges)

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A006/A002

18.7200

AUTHOR: Volkov, A.S., Engineer

TITLE: Experience in Welding Metal Structures in Carbon Dioxide

PERIODICAL: Svarochnoye proizvodstvo, 1960, No. 7, pp. 26-27

TEXT: Welding in carbon dioxide of metal structures has been performed at the Podol'skiy zavod imeni Ordzhonikidze (Podol'sk Plant imeni Ordzhonikidze) for the past five years. Presently, semi-automatic welding in carbon dioxide of boiler casings under intensified conditions has been brought into extended use. (Current intensity: 450-500 amps; voltage 30-35 v; welding speed 110 m/min). To reduce labor consuming operations and the consumption of accessory materials, it was suggested to replace intermittent welding of girders and shield by arc spot welding in carbon dioxide. The sheets are fastened by electric rivets to the reinforcement corners and ribs prior to producing the continuous seam along their outline. For this purpose the "ПДШМ-500" (PDShM-500) automatic machine was modified. Its electric circuit was changed in such a manner that the coil of the "ЭВ-124" (EV-124) time-relay rewound to 36 volt d-c, was connected to the control lines of a semi-automatic machine. Arc spot welding was performed with the same burner and under

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Experience in Welding Metal Structures in Carbon Dioxide

the same conditions as welding of continuous seams. The use of this method instead of manual arc welding, increased the labor efficiency by a factor of 1.5 to 4. An automatic installation for welding in carbon dioxide columns and beams is now being used at the plant. It consists of a "УТ-2000" (UT-2000) machine with a d-c motor with a special drive designed by TSNIL-ELEKTROM AN SSSR. Welding conditions are given in a table. The new method made it possible to replace the flux by cheap carbon dioxide, to improve hygienic work conditions and to exclude accessory operations. Some difficultes which arose during the development of the method are described. The aforementioned approvements were introduced with the advice and participation of Candidates of Technical Sciences N.M. Novozhilov, I.L. Brimberg and V.N. Suslov. There are 2 figures, 3 tables, 1 photograph and 1 Soviet reference.

ASSOCIATION: Podol'skiy zavod imeni Ordzhonikidze (Podol'sk Plant imeni Ordzhonikidze)

VOLKOV, A.S.

Equivalent electric circuit of the magnetostrictive delay line. Trudy MFTI no.10:29-48 '62. (MIRA 16:6)

(Electroacoustics) (Magnetostriction)

VOLKOV, A.S.

Calculation of a high-frequency magnetostriction converter. Radiotekh. i elektron. 10 no.4:626-634 Ap '65. (MIRA 18:5)

L 2445-66 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(z)/
ACCESSION NR: AP5020161 EWP(b)/EWP(l)/EWA(c) UR/0135/65/000/008/0023/0024
LJP(c) JD/HM 621.791.85

AUTHORS: Volkov, A. S. (Engineer); Akulov, A. I. (Doctor of technical sciences) B

TITLE: The effect of manganese on weld properties during welding in carbon dioxide

SOURCE: Svarochnoye proizvodstvo, no. 8, 1965, 23-24

TOPIC TAGS: weld property, arc welding, welding wire/ Sv 08G2SA welding wire, PGSh 4 welding machine

ABSTRACT: To determine the effects of increased Mn content in Sv-08GSA and Sv-08G2SA electrode wires (recommended for welding of low carbon and low alloy steels in a carbon dioxide atmosphere) on the welded seam properties, 12-mm thick specimens of boiling (C = 0.21%, Mn = 0.37, P = 0.038, S = 0.027, Cr = 0.13, Ni = 0.07) and dead melt (0.16, 0.49, 0.033, 0.034, 0.08, 0.18 respectively) steel were semiautomatically welded on machine PGSh-4 (I = 430 amp, U = 30-32 V, 280 m/hr, Q_{gas} = 1200 liter/hr) in a CO_2 atmosphere. The properties of the welds were investigated as a function of Mn content in the electrode wire. Wire Sv-08G2S (GOST 2246-60) was used with 1.64-2.14% Mn (0.7 C, 0.78 Si, 0.021 P, 0.025 S). It was found that as the Mn content in the wire increased from 1.64-2.1% the Mn content in the weld and the Mn

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ACCESSION NR: AP5020161

3

burn-off both increased (0.8-1.0% and 0.9-1.1% content, and 0.3-0.5% burn-off for boiling and dead melt steels respectively). The strength and bending properties of the welds are satisfactory over the range of Mn content investigated (pores are completely eliminated with Mn > 2.0%), but the weld deteriorates for Mn > 2.1%. The impact strength of the weld varies slightly over the range and is sufficient. It is established that the whole range of Mn content (1.8-2.1%) specified by GOST 2246-60 for wire Sv-08G2S gives satisfactory welds. Orig. art. has: 5 figures.

ASSOCIATION: Tsentral'naya laboratoriya Podol'skogo zavoda im. S. Ordzhonikidze (Central Laboratory of the Podol'sk Factory); MVTU im. N. E. Baumana (MVTU)

SUBMITTED: 00 ENCL: 00 SUB CODE: MM, IE

NO REF SOV: 004 OTHER: 000

BVK

Card 2/2

VOLKOV, A.S.

Design of magnetostrictive delay lines. Radiotekh. i elektron. 10 no.9:1609-1614 S '65. (MIRA 18:9)

L 10541-66 EWT(1)/EWA(h)
ACC NR: AP5022424 SOURCE CODE: UR/0109/65/010/009/1609/1614

AUTHOR: Volkov, A. S.

18
B

ORG: none

TITLE: Design of magnetostriction delay lines

SOURCE: Radiotekhnika i elektronika, v. 10, no. 9, 1965, 1609-1614

TOPIC TAGS: delay line, magnetostriction delay line, CIRCUIT DELAY LINE, MAGNETIC CIRCUIT, ELECTRONIC CIRCUIT

ABSTRACT: As no connection between the characteristics of magnetostriction delay lines (MDL) and the size of transducers and acoustic lines has been established, the design of such lines to meet definite specifications has been difficult. In an attempt to remedy this situation, the present article develops formulas for MDL transfer function depending on the length of winding, winding-to-acoustic-line distance, perimeter and cross-section area, length and radius of

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L 10541-66
ACC NR: AP5022424

curvature of the acoustic line. It is found that the difficulty of ensuring short magnetic circuits in the transducers is the principal obstacle to the widening of amplitude-frequency characteristics of MDL. A practical design with a few-turn winding matched to the electronic circuit via a special transformer permitted widening the MDL passband to 6 Mc. The dispersion parameter of the acoustic line depends on the latter's thickness and curvature. The MDL transfer function is independent of the acoustic line diameter if this line is represented by a single wire; in multiwire lines, the transfer function is proportional to the number of wires. Orig. art. has: 2 figures and 22 formulas.

SUB CODE: 09,20/ SUBM DATE: 13Mar64 / ORIG REF: 006 / OTH REF: 004

Card 2/2 pw

VOLKOV, A.S., inzh.; AKULOV, A.I., doktor tekhn. nauk

Effect of manganese on the stability of the weld quality in welding in carbon dioxide. Svar. proizv. no.8:23-24 Ag '65. (MIRA 18:8)

1. Podol'skiy zavod im. S.Ordzhonikidze (for Volkov).
2. Moskovskoye vysshoye tekhnicheskoye uchilishche im. N.E. Baumana (for Akulov).

VOLKOV, A. V.

Dairy Cattle - Udmurt

Controlled rearing of young milk cattle in Udmurt Sots.zhiv.14/No. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 195X, Uncl.

VOLKOV, A. V.

[Manual for skilled workers in bituminous materials] Posobie masteru bitumnykh baz. Moskva, Dor-izdat., 1953. 82 p. (MLRA 9:5)
(Bituminous materials)

VOLKOV, A. V., (Engr)

Dissertation: "Effect of Weather Conditions During Construction on the Work Process and on the Quality of Pavements Made From Bitumens and Tars Mixed on the Road." Cand Tech Sci, Moscow Automobile Highway Inst imeni V. M. Molotov, 8 Jun 54. Vechernyaya Moskva, Moscow, 28 May 54

SO: SUM 284, 26 Nov 1954

VOLKOV, A. V.

"Economic Geography of Argentina." Sub 11 Jun 51, Moscow State Inst of International Relations, Ministry of Foreign Affairs.
Cand. Geographical Sci
Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

VOLKOV, A.V.

BIROT, Pierre; SEREBRYANSKIY, Ya.I. [translator]; VOLKOV, A.V., redaktor; FEL'DMAN, O.I., redaktor; DRONOV, A.P., tekhnicheskiy redaktor

[Portugal; regional geography study] Portugaliia; raionno-geograficheskii ocherk. Sokr. perevod s frantsuzskogo IA.I.Serebrianskogo. Pod red. i so vstup. stat'ei A.V.Volkova. Moskva, Izd-vo inostrannoi lit-ry, 1952. 175 p. [Microfilm] (MLRA 7:10)

(Portugal--Geography)
(Geography--Portugal)

VOLKOV, Aleksandr Vasil'yevich; LAVRENT'YEVA, Ye.V., redaktor; KOSHELEVA, S.M., tekhnicheskiy redaktor; RIVINA, I.N., tekhnicheskiy redaktor.

[Argentina] Argentina. Moskva, Gos.izd-vo geogr. lit-ry, 1956. 47 p. (MLRA 9:6)
(Argentina)

VOLKOV, A.V.; DOLININ, A.A.; TIKHOMIROV, V.P., otvetstvennyy redaktor; BELEN'KIY, A.B., redaktor; GLEYKH, D.A., tekhnicheskiy redaktor

[Argentina, Peru, Chili, Falkand Islands] Argentina, Peru, Chili, Folklendskie ostrova. Moskva, Gos. izd-vo geogr. lit-ry, 1957. 30 p.
(South America--Geography)

VOLKOV, A.V.; GORNUNG, M.B.

Geographical science in Brazil. Izv.AN SSSR.Ser.geog.no.1:127-135 Ja-F '57. (MLRA 10:4)
(Brazil--Geography--Study and teaching)

VOLKOV, A.V.

Changes in the function of the adrenal cortex in animals after clinical death caused by a rapid blood loss. Probl. endok. i gorm. 10 no.6:62-66 N-D '64. (MIRA 18:7)

1. Laboratoriya eksperimental'noy fiziologii po ozhivleniyu organizma (zav. - prof. V.A.Negovskiy) AMN SSSR, Moskva.

VOLKOV, A.V.

Change in the 17-oxycorticosteroid content of the plasma in death from hemorrhage. Ukr. biokhim. zhur. 37 no.1:110-116 '65. (MIRA 18:5)

1. Laboratory of Experimental Physiology of Revivification of the Organism of the Academy of Medical Sciences of the U.S.S.R., Moscow.

VOLKOV, A.V.

Effect of glucocorticoids on the outcome of resuscitation following prolonged clinical death caused by rapid hemorrhage. Probl. endok. i gorm. 11 no.5:68-71 S-O '65. (MIRA 19:1)

1. Laboratoriya eksperimental'noy fiziologii po ozhivleniyu organizma (zav. - prof. V.A. Negovskiy) AMN SSSR, Moskva.
Submitted November 28, 1964.

VOLKOV, A.V.

Determining the relative permeability of rocks in the circulation-loss zone of a bore hole. Trudy KNII NP no.17:88-96 '62. (MIRA 17:8)

ACCESSION NR: AR4040021 S/0271/64/000/004/A056/A056

SOURCE: Ref. zh. Avtomat., telemech. i vychisl. tekhn. Sv. t., Abs. 4A332

AUTHOR: Temkin, S. G.; Lyubarskiy, A. P.; Volkov, A. V.; Mishunin, D. A.

TITLE: Depth telemanometer for determining the rate of absorption of drilling fluid in a borehole

CITED SOURCE: Tr. Kuybyshevsk. n.-i. in-t neft. prom-sti, vyp. 17, 1962, 97-105

TOPIC TAGS: telemanometer

TRANSLATION: The depth manometer (GMIP-3) which records the rate of absorption permits determining the conditional penetrability of rock and evaluating the efficiency of steps taken to isolate an escape zone. Its operation depends on a frequency telemeter system. An inductive converter is used. Circuit diagrams are given and explained in detail. The results are graphically illustrated. Field tests of the instrument yielded satisfactory data. Seven illustrations. Bibliography: 4 titles.

SUB CODE: EC ENCL: 00

Card 1/1

BARANOV, B.A.[deceased]; KHISIN, R.I.; SHAPIRO, I.I.; SHAKHNAZAROV, M.M.; VOLKOV, A.V., kand. tekhn. nauk, retsenzent; YAKOVLEVA, V.I., red.

[Establishment of technical norms at a machinery plant] Tekhnicheskoe normirovanie na mashinostroitel'nom zavode. [By] B.A.Baranov i dr. Moskva, Mashinostroenie, 1964. 610 p. (MIRA 17:12)

SHISHLO, K.S.; VOLKOV, A.V.

Driving devices of roving machines. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.4:126-130 '63. (MIRA 16:11)

1. Ivanovskiy tekstil'nyy institut imeni M.V. Frunze.

KOVALEV, S.A., inzh., red.; CHERNIN, L.A., inzh., red.; KUZNETSOVA, Z.I., kand. tekhn.nauk; MOISEYENKO, A.T., inzh., red.; MOSKALEV, N.M., kand. tekhn. nauk; VOLKOV, A.V., kand. tekhn. nauk, red.; STRASHNYKH, V.P., red.izd-va; PETROVA, V.V., red.izd-va; RODIONOVA, V.M., tekhn. red.

[Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.I. Sec.G. ch.I. [Water-supply and sewer system. Hot-water supply. Interior installation. Equipment, fixtures, and materials] Vodoprovod i kanalizatsiia. Goriachee vodosnabzhenie. Vnutrennie ustroistva. Oborudovaniia, armatura i materialy (SNiP I-G. I-62). 1963. 15 p. Pt.I. Sec.V. ch.17. [Asphalt and tar binders] Bitumnye i degtevye viazhushchie (SNiP I-V. 17-62). 1963. 8 p.
(MIRA 16:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva Soveta Ministrov SSSR (for Kovalev, Moiseyenko). 3. Mezhvedomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil Akademii stroitel'stva i arkhitektury SSSR (for Chernin, Moskalev). 4. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki Akademii stroitel'stva i arkhitektury SSSR (for Kuznetsova). 5. Gosudarstvennyy Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut Ministerstva transportnogo stroitel'stva SSSR (for Volkov).
(Water-supply engineering) (Sewerage) (Asphalt)

VOLKOV, A.V.; GORSHKOV, A.V.

Energy characteristics of the "BINJ" tapestry loom. Izv. vys.ucheb.-zav.; tekh.tekst.prom. no.6:122-126 '61. (MIRA 15:1)

1. Ivanovskiy tekstil'nyy institut imeni M.V.Frunze.
(Germany, East--Looms)

VOLKOV, A.V.; RASTORGUYEV, A.K.

From practices in the operation of the Hungarian 4-10-4 apparatus. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.4:141-144 '61. (MIRA 14:9)

1. Ivanovskiy tekstil'nyy institut im. M.V.Frunze.
(Hungary--Electronic apparatus and appliances)

VOLKOV, A.V.; KOLOSOVA, Yu.A.; KULAGIN, G.D.; MUKHIN, A.I.; POPOV, K.M.; PUCHKOV, I.B.; TIKHOMIROV, V.P.; CHERNIKOV, G.P.

Petr Ivanovich Glushakov, obituary. Izv. AN SSSR. Ser. geog. no.5:151 S-O '61. (MIRA 14:9)
(Glushakov, Petr Ivanovich, 1893-1961)

BEZRUK, Vasiliy Makarovich, prof., doktor geol.-mineral.nauk; YASTREBOVA, Lidiya Nikolayevna, kand.geol.-mineral.nauk; LYUBIMOVA, Tamara Yul'yevna, kand.khim.nauk; VOLKOV, Anatoliy Valerianovich, kand. tekhn.nauk; ZUBKOVA, M.S., red.; NIKOLAYEVA, L.M., tekhn.red.

[Modern methods of building road bases and surfaces of soils stabilized by cement, lime, bitumen, and tar] Sovremennye metody stroitel'stva dorozhnykh osnovanii i pokrytii iz gruntov, ukreplennykh tsementom, izvest'iu, bitumom, degtem. Pod red. V.M.Bezruka. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shossei-nykh dorog RSFSR, 1960. 200 p. (MIRA 14:4)

1. Gosudarstvennyy vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut (for Bezruk, Yastrebova, Lyubimova, Volkov).
(Road materials) (Soil stabilization)

BELOV, I.F.; VOLKOV, A.V.; FABRIKOV, V.I.

Electric machine stopping after breakage or slippage of the sliver on roving machines. Izv.vyz.ucheb.zav.;tekh.tekst.prom. no.5:129-131 '60. (MIRA 13:11)

1. Ivanovskiy tekstil'nyy institut imeni M.V.Frunze.
(Spinning machinery)

PERCHIK, A.I.; VOLKOV, A.Ya.

Financing and rate setting in the testing of wells.
Neft. khoz. 43 no.2:6-9 F '65. (MIRA 18:4)

VEYTSMAN, Mikhail Iosifovich, kand.tekhn.nauk; VOLKOV, Aleksandr Yakovlevich, kand.tekhn.nauk; LEVITSKIY, Yevgeniy Fedorovich, inzh.; IVANOV, N.N., doktor tekhn.nauk, prof., red.; BYALOBZHESKIY, G.V., red.; CHVANOV, V.G., red.izd-va; NIKOLAYEVA, L.N., tekhn.red.

[Building automobile roads] Stroitel'stvo avtomobil'nykh dorog. Pod red. N.N.Ivanova. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp.i shosseinykh dorog RSFSR. Pt.3. [Road construction enterprises and quarries] Proizvodstvennye predpriiatiia i kar'ery. 1961. 318 p. (MIRA 14:7)
(Road construction)

BABKOV, Valeriy Fedorovich, prof.; VOLKOV, Aleksandr Yakovlevich, dotsent; GERBURT-GEYBOVICH, Andrey Vladimirovich, dotsent; MIKHAYLOV, Valentin Vasil'yevich, dotsent; ZUBKOVA, M.S., red.; MAL'KOVA, N.V., tekhn.red.

[Highways] Avtomobil'nye dorogi. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR. Pt.2. [Construction, maintenance, and repair] Stroitel'stvo, remont i soderzhanie dorog. 1960. 307 p. (MIRA 14:2)
(Road construction)

BABKOV, V.F.; VOLKOV, A.Ya.; GERBURT-GEYBOVICH, A.V.; ZAMAKHAYEV, M.S.; VAKHRUSHIN, N.P., redaktor; MAL'KOVA, N.V., redaktor.

[Automobile roads] Avtomobil'nye dorogi. Moskva, Avtotransizdat, 1953. 647 p. (MLRA 7:2)
(Road construction)

VOLKOV, A.YA.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Babkov, V.F. Gerbut-Geybovich, A.V. Volkov, A.Ya. Zamakhayev, M.S.	"Automobile Roads" (textbook)	Moscow Automobile Highway Institute imeni V.M. Molotov

SO: W-30604, 7 July 1954

VOLKOV, Abram Yefimovich; LAPIDUS, Aleksandr Semenovich; BRANDT, B.B., red.

[Safety measures in the production of acetylene from natural gas] Tekhnika bezopasnosti v proizvodstve atsetilena iz prirodnogo gaza. Moskva, Izd-vo "Khimiia," 1964. 148 p. (MIRA 17:5)

VOLKOV, A. Ye.

"Non-gonorrheal Urethritis."

Vestnik venerologii i dermatologii (Bulletin of Venerology Dermatology), No 1, January-February 1954, (bimonthly), Moscow.

OLKOV, B G

kspluatatsiya traktora KD-35 (Utilizatio of the KD-35 tractor, by) B. G. Volkov, Ye. Rybal'chenko, S. L. Treshunova. Moskva, Sel'khozgiz, 1953. 164 p. illus., diagrs., ables. "Litera tura": p. (165)

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VOLKOV, B.

Tractors.

Checking the performance of the reinforced caterpillar tread of the tractor KD-35. MTS 12 no. 6, 1952.

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

VOLKOV, B.

Construction of school workshops. Politekh.obuch. no.10:87-88 O '58. (MIRA 11:11)

1. Novosibirskiy gorodskoy institut usovershenstvovaniya uchiteley... (Novosibirsk--Technical education)

VOLKOV, B.

New shapes and color of school furniture. Tekh.mol. 29 no.4:34-35 Ap '61. (MIRA 14:5)
(Schools—Furniture, Equipment, etc.)

BRITSYN, K.I.; VOLKOV, B.A.; MATVEYEV, V.V.; SMIRNOV, A.A.

Effect of an electric field on the position of the optical absorption "edge" in polycrystalline CdS films. Fiz. tver. tela 7 no.8:2536-2538 Ag '65. (MIRA 18:9)

L 6340-66 EWT(m)/EWP(i)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5019881 UR/0181/65/007/008/2536/2538

AUTHOR: Britsyn, K. I.; Volkov, B. A.; Matveyev, V. V.; Smirnov, A. A.

TITLE: Effect of electric field on the position of the optical absorption edge in polycrystalline CdS layers

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2536-2538

TOPIC TAGS: cadmium sulfide, absorption edge, temperature dependence, electric field, forbidden band, polycrystal

ABSTRACT: The authors investigated the effect of the electric field and the dimensions of the crystallites on the position of the absorption edge in cadmium sulfide films obtained by vacuum evaporation. The apparatus used was similar to that employed by one of the authors earlier (Britsyn, with V. S. Vavilov, Opt. i spektr. v. 6, 861, 1960), except that the resolution and the sensitivity were increased. The results show that for films with crystal dimensions a > 100 Å the edge of the optical absorption is weakly pronounced, but when a ~ 1--3 μ, the absorption curve is similar to that for bulky single crystals, but is shifted in the long-range region. The temperature coefficient determined from this ratio $dE_g/dT \sim 10^{-4}$ ev/deg, agrees with data for single crystals. An ac field of 5×10^3 v/cm with frequency 16 cps shifted the absorption range in the region of λ = 5100 Å by an

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ACCESSION NR: AP5019881

amount $\Delta\lambda$ = 15 Å. An approximate expression is derived for the width of the forbidden band as a function of the applied electric field and of the crystallite dimensions. The calculated expression agrees well with the experimental data. The frequency shift of the absorption is also calculated and is found to agree with the experimental data. Orig. art. has: 4 formulas.

ASSOCIATION: none

SUBMITTED: 19Mar65 ENCL: 00 SUB CODE: SS, OP

NR REF SOV: 001 OTHER: 002

nw

Card 2/2

L 5039-66 EWI(l)/EWI(m)/EWP(t)/EWP(b) IJP(c) JD

ACC NR: AP5027391 SOURCE CODE: UR/0181/65/007/011/3188/3193

AUTHOR: Penin, N. A.; Zhurkin, B. G.; Volkov, B. A.

ORG: Physics Institute im. P. N. Lebedev, AN SSSR, Moscow (Fizicheskiy institut AN SSSR)

TITLE: The influence of concentrations of donors and acceptors on the electric conductivity of high-alloyed n-type silicon

SOURCE: Fizika tverdogo tela, v. 7, no. 11, 1965, 3188-3193

TOPIC TAGS: electric conductivity, impurity conductivity, crystal impurity, impurity band, silicon alloy

ABSTRACT: An investigation was made of the influence of the concentration of phosphorus and the degree of compensation by boron on the electric conductivity of a high-alloyed n-type silicon with weak and strong compensation in a range of temperatures from 4.2 to 78K. The activation energy ε_1 of the impurity conductivity and the activation energy ε_3 of the hopping conductivity were measured. The measurements were performed on weakly and strongly compensated silicon specimens with basic impurity concentrations N_D of 2×10^{17}, 6×10^{17}, and 1×10^{18} atoms of phosphorus per cm^3. Specimens were cut from noncompensated and compensated parts of the same silicon single crystal. Compensation was accomplished by introducing boron into the melt during the growth of the crystals. The degree of compensation $K = N_A/N_D$ in the specimens was determined by measuring both the tempera-

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L 5039-66

ACC NR: AP5027391

ture of the Hall effect and the electroconductivity. An increase in the compensating impurity (boron) in silicon alloyed with phosphorus changed the activation energy ε_1 of the impurity conductivity more strongly than the corresponding increase in the phosphorus concentration. A decrease of the activation energy ε_1 with the concentration of phosphorus was observed at concentrations at which a substantial overlap of wave functions of impurity atoms occurred. This overlap caused the bottom of the conductivity zone to decrease. The strong influence of a minor impurity on the activation energy ε_1 is limited by the electric fields of charged atoms of minor impurity, which are effective at large distances. With an increased concentration of phosphorus atoms at a small degree of compensation, the activation energy ε_3 of the hopping conductivity increased initially and then at a concentration above 6×10^{17} cm^{-3} began to decrease. At a small degree of compensation, the dependence of conductivity on temperature has definite values for the activation energies ε_1 and ε_2. For instance, at a strong compensation in specimens with a high concentration of donors, the activation energies ε_1 and ε_3 depend on temperature. This can be attributed to the emergence of a strongly fluctuating electric field generated by the charged donors and acceptors. Orig. art. has: 3 figures, 6 formulas, and 1 table. [JA]

SUB CODE: SS/ SUBM DATE: 16Apr65/ ORIG REF: 002/ OTH REF: 008/ ATD PRESS: 4132

Card 2/2

VOLKOV, B.A.

Water - Purification

Modernization of chemical water purification. Izv. VTI 21 no. 3, 1952.

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

L 22541-66 EWT(l)/T/EWA(h) IJP(c) GG/AT

ACC NR: AP6009648 SOURCE CODE: UR/0181/66/008/003/0717/0720

34
33
B

AUTHOR: Volkov, B. A.; Matveyev, V. V.

CRG: none

TITLE: Spatial distribution of impurity centers in strongly doped semiconductors

21

SOURCE: Fizika tverdogo tela, v. 8, no. 3, 1966, 717-720

TOPIC TAGS: semiconductor impurity, spectral density, impurity band, impurity center

ABSTRACT: The purpose of the investigation was to assess the role of the interaction between impurity centers that may lead to spatial correlation between them, and to determine the connection between the distribution of the impurity centers in a semiconductor and the spectral density of the states in the impurity band. The authors first determine the radial distribution function for an equilibrium system of impurity centers in a semiconductor at a temperature when the impurity is fully ionized and the number of impurities is smaller than the total number of particles. The critical temperature in the correlation function is then determined and defined as the minimum temperature at which equilibrium distribution of the impurity ceners can still be established in the lattice. The analysis shows that the

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L 22541-66

ACC NR: AP6009648

distribution of the impurity centers in the semiconductor depends little on the concrete method of introducing the impurity and that, in the presence of correlation, the state density in the details of the impurity band attenuates much more rapidly thain in a perfectly random system. The authors thank L. V. Keldysh for a discussion of the work. Orig. art. has: 2 figures and 13 formulas.

SUB CODE: 20/ SUBM DATE: 16Jul65/ ORIG REF: 003/ OTH REF: 005

Card 2/2 BK

1. VOLKOV, B. A., Eng.

2. USSR (600)

4. Filters and Filtration

7. Regenerating hydrogen-cation filters with sulfuric acid. Elek. sta. 23 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassifie

VOLKOV, B. A.

AID - P-81

Subject : USSR/Engineering

Card : 1/1

Author : Volkov, B. A., Eng., Moscow

Title : Reconstruction of Chemical Purifier of Water (Advice to Industrial Laboratories)

Periodical : Izv. V.T.I., v. 21, #3, 25-26, Mr 1952

Abstract : Description of modification of non-corrosive arrangement in the H-Na-cationic installation in the Kalinin Power Plant. 3 drawings.

Institution : Kalinin Electric Power Plant (Kalininenergo)

Submitted : December 13, 1951

VOLKOV, B.A.

Use of balloon dampers on winders. Tekst.prom. 21 no.11:52-53 N '61. (MIRA 14:11)

1. Nachal'nik krutil'no-motal'nogo tsekha Kineshemskoy pryadil'noy fabriki "Krasnaya vetka".
(Winding machines)

VOLKOV, B.

Radio - Interference

Elimination of the microphone effect. Radio. No. 3, 1953.

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

VOLKOV, B.A.; GOLOVNEV, V.M.; YASHUMOV, V.N.; SAMBUK, F.I., red.; SHIPKO, A.I., red.; MOROZOVA, Ye., red.; VARENIKOVA, V., tekhn. red.; STEPANOVA, N., tekhn. red.

[Soviet worker's manual] Spravochnik sovetskogo rabotnika. Minsk, Gos.izd-vo BSSR, 1962. 657 p. (MIRA 16:8)
(Labor laws and legislation--Handbooks, manuals, etc.)

L 39689-66 EWA(h)/EWT(1)/T (c) AT/GD-2

ACC NR: AP6009649 SOURCE CODE: UR/0181/66/008/003/0721/0724

14
12
B

AUTHOR: Volkov, B. A.; Matveyev, V. V.

ORG: none

TITLE: Band shift in a strongly doped semiconductor under the influence of electrostatic fields of the impurity atoms

SOURCE: Fizika tverdogo tela, v. 8, no. 3, 1966, 721-724

TOPIC TAGS: semiconductor impurity, impurity band, impurity center, ionization phenomenon, activation energy, energy band structure, electrostatic field

ABSTRACT: The authors consider the influence of electrostatic fields of impurity centers on their ionization energy in the Hartree-Fock approximation. This is done by determining the dependence of the activation energy of a hydrogen-like impurity on its concentration through reducing it to the problem of finding in the eigenvalue spectrum of the Hamiltonian the point corresponding to the de-localization of the electron of an individual impurity center. This yields the dependence of the thermal activation energy of the impurity on its concentration in a non-compensated semiconductor. It is shown that the influence of the electrostatic field of the impurity atoms produces a shift of the proper bands of the semicon-

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ductor, relative to vacuum, and that the shift is much larger than the drop in the energy levels of the ground state of the impurities; this is accompanied by a change in the thermal activation energy. The results are valid if the exchange interaction is small and there is no degeneracy. The results are in good agreement with experimental data published elsewhere (FTT v. 7, 9188, 1965). The authors thank N. A. Penin for a useful discussion and L. V. Keldysh for reviewing the manuscript and discussing the results. Orig. art. has: 11 formulas and 1 figure.

SUB CODE: 20/ SUBM DATE: 16Jul65/ ORIG REF: 003/ OTH REF: 006

VOLKOV, B.D., inzh.; RAKOVICH, V.I.inzh.

Drum method for grinding and polishing parts for electroplated coatings. Mashinostroenie no.3:74-77 My-Je '62. (MIRA 15:7)

1. TSentral'noye konstruktorsko-teknologicheskoye byuro velostroyeniya, Khar'kov.
(Grinding and polishing) (Electroplating)

VOLKOV, B. G.

The operation of tractor KD-35

Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953. 164 p.

(54-38784)

S711.V6

1. Tractors.

VOLKOV, B.G., dots., kand.tekhn.nauk

Effect of moisture content in pores of cement concrete on the size of its deformations and its strength. Trudy MADI no.22: 70-75 '58. (MIRA 12:4)

(Concrete--Testing)

VOLKOV, B.G., kand.tekhn.nauk

Taking regional characteristics into account in selecting tractors. Mekh. i elek.sots.sel'khoz. no.5:9-10 '56. (MIRA 12:4)

1. Leningradskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skogo khozyaystva.
(Tractors)

VOLKOV, B.C.; RYBAL'CHENKO, E.A.; TRESKUNOVA, S.L.

[Operating KD-35 tractor] Ekspluatatsiia traktora KD-35. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953. 164 p. (MLRA 7:6)
(Tractors)

ANDREYEV, Yu.A.; VOLKOV, B.G.

Errors of a frequency spectrum analyzer with a double T-bridge.
Izm. tekh., no.3:47-50 Mr '65. (MIRA 18:5)

1. VOLKOV, B.G.

2. USSR (600)

4. Caterpillars (Vehicles)

7. Effect of wear in caterpillar joints on the speed of a tractor and the efficiency of the caterpillar prime mover. B.G. Volkov. Mekh. i elek, sel'khoz, no. 2 1953.

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

VOLKOV, B.G.

Ekspluatatsiia traktora KD-35 (Operation of the KD-35 tractor). Moskva, Sel'khozgiz, 1953. 168 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

VOLKOV, B.G., kand. tekhn. nauk; KLOCHEV, L.A., inzh.

Computing traction dynamometers used in testing mounted tools. Mekh. i elek. sots. sel'khoz. 16 no.6:45-47 '58. (MIRA 12:1)

1.Severo-Zapadnoye otdeleniye Vserossiyskogo nauchno-issledovatel'skogo instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Dynamometer)

VOLKOV B. G.

Sel'skokhozyaystvennyye mashiny i orudiya
(Agricultural machines and tooks, by)
M. G. Doganovskiy i B. G. Volkov.
2 perer. i dop. izd.
Moskva, Sel'khozgiz, 1955.
357 p. illus., diagrs., tables.

TRUBIN, B.G., prof.; LUR'YE, A.B.; GRIGOR'YEV, S.M.; IVANOVICH, E.M.; MEL'NIKOV, S.V.; ANTIPIN, V.G., kand. tekhn. nauk, retsenzent; VOLKOV, B.G., kand. tekhn. nauk, retsenzent; MULLAYANOV, R.G., kand. tekhn.nauk, retsenzent; OVSYUKOV, V.N., kand. tekhn. nauk, retsenzent; BELYAYEV, A.S., st. nauchnyy sotr., retsenzent; KOZLOVSKIY, Ye.V., inzh., retsenzent; TRAK, E.E., inzh., retsenzent; SIMONOVSKIY, N.Z., red.izd-va; SPERANSKAYA, O.V., tekhn. red.

[Agricultural machines; theory, design, and calculations] Sel'skokhoziaistvennye mashiny; teoriia, konstruktsiia i raschet. Pod red. B.G.Turbina. Moskva, Mashgiz, 1963. 575 p. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut mekhanizatsii i elektrofikatsii sel'skogo khozyaystva Severo-Zapada (for Antipin, Volkov, Mullayanov, Ovsyukov, Belyayev, Kozlovskiy, Trak).

(Agricultural machinery--Design and construction)

VOLKOV, B. I., and CHIKERNIKOV, A. B. (Moscow)

"Magnetic Properties of Alloys Over the Curie Temperature," paper presented at the International Conference on Physics of Magnetic Phenomena, Sverdlovsk, USSR, 23-31 May 1956.

VOLKOV, B.I., CHIKERNIKOV, A.B.

"Magnetic Properties of Alloys Over the Curie Temperature"
Moscow

Conference on Physics of Magnetic Phenomena,
May 1956, Sverdlovsk, USSR

VOLKOV, B. I., GLASKO, V. B., GROSHEV, A. L., KUZNETSOV, V. V., SVESHNIKOV, A. G., SEMASHKO, N. N., BALEBANOV, V. M.,

"Motion of Individual Charged Particles in Helical-Symmetry Magnetic Field,"

report presented at the 6th Intl. Conf. on Ionization Phenomena in Gases, Paris, France, 8-13 Jul 63

BALEBANOV, V.M.; VOLKOV, B.I.; GLASKO, V.B.; GROSHEV, A.L.; KUZNETSOV, V.V.; SVESHNIKOV, A.G.; SEMASHKO, N.N.

Motion of isolated charged particles in a magnetic field with helical symmetry. Atom. energ. 15 no.5:409-410 N '63. (MIRA 16:12)

ACC NR: AT6035246 SOURCE CODE: UR/3043/66/000/005/0210/0226

AUTHOR: Sveshnikov, A. G.; Volkov, B. I.; Sekerzh-Zen'kovich, S. Ya.

ORG: none

TITLE: On waveguide bend

SOURCE: Moscow. Universitet. Vychislitel'nyy tsentr. Sbornik rabot, no. 5, 1966. Vychislitel'nyye metody i programmirovaniye (Computing methods and programming), 210-226

TOPIC TAGS: waveguide, waveguide component, electromagnetic wave, wave propagation

ABSTRACT: This paper applies the general method of investigating the propagation of electromagnetic oscillations in waveguides of complex form to the study of a number of specific problems involving waveguide bend. These problems are of great practical interest and many articles have been devoted to them, but most results are qualitative in nature. The algorithm of numerical solution developed in this paper makes it possible by means of high-speed computers to derive effectively numerical characteristics of the physical process in question. The particular cases studied are (1) waveguide bent on a plane curve, low deformation, and cross sections of the arms are circles of the same radius; (2) waveguide bent on arc of a circle, circular cross section; (3) bend with slight deformation. The mathematical problem is to find electrical and magnetic fields satisfying (1) inside the waveguide the Maxwell equations

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ACC NR: AT6035246

$$\text{rot}\,\vec{H} = -ik\vec{E},$$

$$\text{rot}\,\vec{E} = ik\vec{H},$$

(2) on the waveguide surface Σ the boundary condition

$$[\vec{E}\vec{n}]|_{\Sigma} = 0,$$

(3) conditions of excitation and radiation in infinity

$$\{\vec{E}_n^{(i)}, \vec{H}_n^{(i)}\}$$

are normal waves of the rectilinear sections of the waveguide. Orig. art. has: 47 formulas, 1 table, and 7 figures.

SUB CODE: 09, 20/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 001

Card 2/2

L 21108-66 EWT(1)/T IJP(c)
ACC NR: AT6006748 SOURCE CODE: UR/3136/65/000/873/0001/0011

AUTHOR: Volkov, B. I.; Grechukhin, D. P.; Karpushkina, E. I.

ORG: Physics Department, Moscow State University im. M. V. Lomonosov (Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta)

TITLE: Tables of photoionization cross sections for the hydrogen atom 21,44,55 57 56

SOURCE: Moscow. Institut atomnoy energii. Doklady, IAE-873, 1965. Tablitsy secheniy fotoionizatsii atoma vodoroda, 1-11 and 240 pages of tables

TOPIC TAGS: ionization cross section, photoionization, hydrogen

ABSTRACT: Tables are given for the photoionization cross sections of (n, l)-states of the hydrogen atom for n between 1 and 15 inclusive. Compilation of these tables was prompted by analysis of various methods for producing streams of fast highly excited neutral atoms for accumulating a hot plasma in magnetic traps. One of the possible methods considered was photon excitation of hydrogen atoms from the 1s and 2s states. In this case, the yield of excited (n, l)-states of the hydrogen atom is determined by the balance of excitation and decay processes. One of the chan-

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nels for decay of (n, l)-states of the hydrogen atom in this case is the photoionization process. The method used for calculating the tables is given and the behavior of the photoionization cross section close to the threshold level is analyzed. Original has 2 tables contained on 240 pages. The authors thank O. S. Kostyrev, N. F. Semikova and Z. V. Tokareva for assistance in compiling the tables. Orig. art. has: 1 figure, 2 tables, 12 formulas.

SUB CODE: 20/ SUBM DATE: 00/ ORIG REF: 001/ OTH REF: 002

Card 2/2

VOLKOV, B.I.; GLASKO, V.B.; SVESHNIKOV, A.G.; SEMASHKO, N.N.

"Mixing" of particles in a magnetic trap with a combined field.
Zhur. tekh. fiz. 35 no.9:1590-1593 S '65.

(MIRA 18:10)

1. Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

L 3613-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EPA(w)-2 IJP(c) AT
ACCESSION NR: AP5024034 UR/0057/65/035/009/1590/1593
533.9

AUTHOR: Volkov, B. I.; Glasko, V. B.; Sveshnikov, A. G.; Semashko, N. N.

TITLE: On "intermingling" of particles in a composite magnetic field trap

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 9, 1965, 1590-1593

TOPIC TAGS: magnetic mirror, combined magnetic field, plasma injection, particle trajectory, plasma confinement, plasma instability, mathematic physics

ABSTRACT: Trajectories of charged particles in a magnetic mirror system with an auxiliary transverse magnetic field were calculated with the aid of a computer. The auxiliary field was that produced by six current-carrying rods parallel to the axis of the system and symmetrically disposed about it. The calculations were undertaken to determine whether the complex magnetic field would cause sufficient intermingling of particles with different velocities significantly to reduce the anisotropy of the ion velocity distribution of a plasma injected into the system. This question is important because the anisotropic velocity distribution of plasmas in magnetic mirror systems gives rise to cyclotron instability and greatly reduces the confinement time. The charged particles were assumed to be produced within the field by ionization of atoms of a monoenergetic beam moving in the median plane through the center of the system. The ions were accordingly injected at different

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L 3613-66
ACCESSION NAR: AP5024034

3

radii and with different longitudinal velocities. There were calculated the positions of the successive intersections of the ion trajectories with the median plane and with two other planes normal to the axis. It was found that ions injected at small radii move in nonintersecting regions, and that intermingling of such ions, therefore, does not occur. Ions injected at large radii, however, penetrate into regions of smaller radius, so that on the whole there is intermingling. It was also found that this intermingling would significantly reduce the anisotropy of the velocity distribution of a rarefied injected plasma. Orig. art. has: 5 formulas, 1 figure, and 1 table.

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

SUBMITTED: 22Jan65 ENCL: 00 SUB CODE: ME

NO REF SOV: 003 OTHER: 001

Card 2/2

VOLKOV, B.K.

Hormone-enzyme treatment of chemical burns of the esophagus in an experiment. Zhur.ush., nos.i gorl.bol. 21 no.6:23-28 N-D '61. (MIRA 15:11)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. D.M. Rutenburg [deceased]) Leningradskogo pediatricheskogo meditsinskogo instituta.
(ESOPHAGUS--WOUNDS AND INJURIES) (HORMONE THERAPY) (ENZYMES)

VOLKOV, B.K.

On the problem of treatment in postburn cicatricial stricture of the esophagus in children. Vest.otorin. 23 no.1:79-82 Ja-F '61. (MIRA 14:2)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. - prof. D.M. Rutenburg) Leningradskogo pediatricheskogo meditsinskogo instituta.

(ESOPHAGUS--DISEASES)

VOLKOV, B.K. (Leningrad, D-187, Fontanka, 2, kv.421)

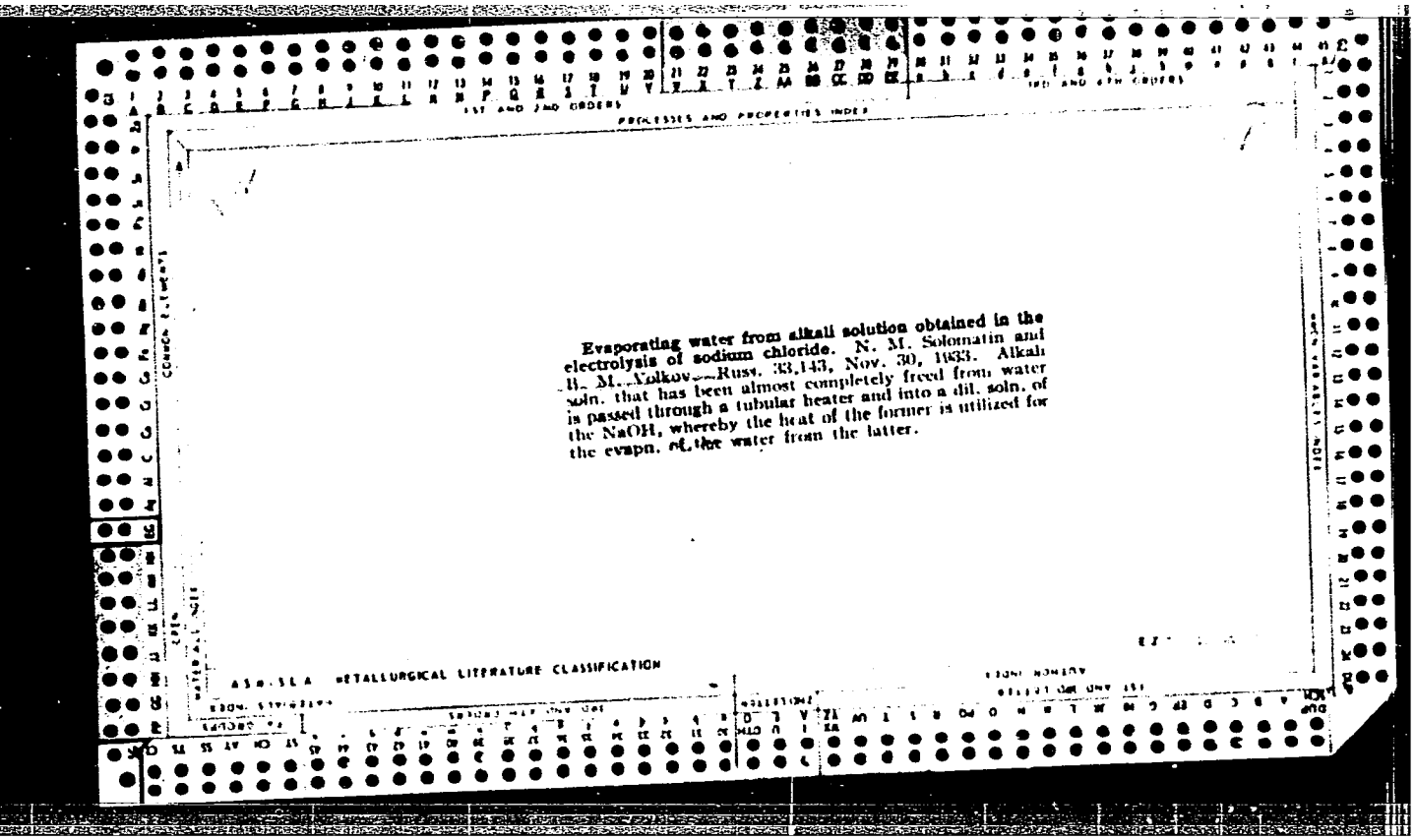
Treatment of cicatricial stenosis of the esophagus in children. Vest. khir. 92 no.2:71-74 F '64.

(MIRA 17:9)

1. Iz kafedry bolezney ukha, gorla i nosa (zav.- prof. D.M. Rutenberg [deceased]) Leningradskogo pediatricheskogo meditsinskogo instituta (rektor - Ye.P. Semenova).

AKHMECHEE, L.S.; VOLKOV, B.E.; ERLIHEVER, A.

Indicating devices for measuring dimensions of easily deformed parts. Izm. tekh. no.5:8 My '64 (MIRA 17:7)



Evaporating water from alkali solution obtained in the electrolysis of sodium chloride. N. M. Solomatin and B. M. Volkov.—Russ. 33,143, Nov. 30, 1933. Alkali soln. that has been almost completely freed from water is passed through a tubular heater and into a dil. soln. of the NaOH, whereby the heat of the former is utilized for the evapn. of the water from the latter.

GRODNEV, I.I.; VOLKOV, B.M.

Shielding effect of cable sheathings. Elektrosviaz' 19 no.1: 73-75 Ja '65. (MIRA 18:4)

VOLKOV, B.N., inzh.

Determining the probability of a ship not sinking after having been holed. Sudostroenie 29 no.5:4-8 My '63. (MIRA 16:9)
(Hulls (Naval architecture))

DORIN, V.S., kand.tekhn.nauk; VOLKOV, B.N., inzh.

Standardizing the reserve buoyancy of seagoing ships. Sudostroenie 28 no.5:4-12 My '62. (MIRA 15:7)
(Stability of ships)

VOLKOV, B.P., kand. tekhn. nauk; MAYZENBERG, M.M., inzh.

Use of peat in the manufacture of wood-particle boards. Torf. prom. 40 no.6:28-29 '63. (MIRA 16:10)

1. Kalininskiy torfyanoy institut.

VOLKOV, B. P.

Cand Tech Sci - (diss) "Approaches to creating permanent cadres and the liquidation of the need for seasonal workers in the peat industry of the USSR. (On the example of cutting /frezernyy/ supply method)." Moscow, 1961. 19 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Kalinin Peat Inst, Chair of Economics and Organization of Peat Enterprises); 200 copies; price not given; (KL, 5-61 sup, 188)

VOLKOV, B.S.

Carrying out practical tasks in school work-shops for the 5th grade students in 3-hour sessions. Gig. i san. 26 no.2:110-112 F '61. (MIRA 14:10)

1. Iz Nizne-Tagil'skogo pedagogicheskogo instituta.
(MANUAL TRAINING)

KARASINA, E.S.; KROPP, L.I.; MINTS, M.S.; KNYAZ'KOV, B.N.; LITVINOV, D.D.; GRINBLAT, Ye.I.; KAZAKOV, V.Ya.; VOLKOV, B.V.; BARDIN, V.V.

Exchange of experience. Zav.lab. 28 no.5:633-635 '62. (MIRA 15:6)

1. Vsesoyuznyy teplotekhnicheskiy institut imeni F.E.Dzerzhinskogo (for Karasina, Kropp, Mints). 2. Institut radiofiziki i elektroniki AN USSR (for Knyaz'kov, Litvinov). 3. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova (for Grinblat, Kazakov). 4. Opytnokonstruktorskoye byuro sinteticheskikh produktov (for Volkov). 5. Leningradskiy tekhnologicheskiy institut imeni Lensoveta (for Bardin).

(Chemical apparatus)

KOZIN, V.M.; KARPUKHIN, A.M.; MOMOT, M.V.; VOLKOV, B.V.

Equilibrium of ammonia and carbon dioxide over aqueous boric acid-glycerol solutions. Khim. prom. [Ukr.] no.2: 10-14 Ap-Je '63. (MIRA 16:8)

1. Opytno-konstruktorskoye byuro sinteticheskikh produktov Donetskogo soveta narodnogo khozyaystva.

VOLKOV, B.V.

Device for dehydration of organic substances and determination of moisture. Zav. lab. 30 no.1:112 '64. (MIRA 17:9)

1. Opytno-konstruktorskoye byuro sinteticheskikh produktov.

KOKHANSKAYA, O.V.; VOLKOV, B.V.

Seal for laboratory stirrers operating under vacuum. Zav. lab. 30 no.9:1151 '64. (MIRA 18:3)

1. Opytno-konstruktorskoye byuro sinteticheskikh produktov.