L 12791-63

ACCESSION NR: AP3000782

3

ZnS powder corresponded to the cubic Beta modification of ZnS. Patterns of ZnS-Mn films heated at 600C for 30 minutes indicated that the films consist of a mixture of Alpha and Beta modifications. The material in these films had distinct photoluminescence and electroluminescence. "The authors express their thanks to I. V. Salli and F. I. Kolomontsev for their interest in the work and for valuable discussions." Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Dnepropetrovskiy gosudarstvenny*y universitet (Dnepropetrovsk State University)

SUBMITTED: 01Aug62 DATE ACQ: 21Jun63 ENCL: 00

SUB CODE: 00 NO REF SOV: 003 OTHER: 008

Card 2/2

SHERSTYANNIKOV, V. A., kand. tekhn. nauk

Bandage of gas turbines. Teploenergetika 10 no.3:34-38 Mr '63. (MIRA 16:4)

(Gas turbines)

[redacted], E.

Bee Culture

Experimental all-year maintainance of bees in a shed. Pchelovodstvo 29, no. 6, June 1952

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, August 1952. Uncl.

Sherstyuk, D

27-1-10/19

AUTHOR: Sherstyuk, D., Director of the Mining School # 4 in Bokovo-Antratsit.

TITLE: Betterment of Foremen's and Teachers' Qualifications (Povysheniye kvalifikatsii masterov i prepodavateley)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, # 1, pp 21-22 (USSR)

ABSTRACT: The higher general education level of the students entering professional schools, has shown that the teaching staff partially has not the professional skill and pedagogical abilities required, to educate the young generation.

The permanent methodical committees and the pedagogical council discussed the a/m deficiencies and decided to organize courses on professional teaching, they touched also the problem of mastering new technical achievements and questions of labor organization. The pedagogical collective gained big support from local trade meetings and pedagogical lectures, where the best teachers and assistant directors, in charge of the cultural-economical work exchanged their views.

Card 1/2

SHERSTYUK, D.S., inzh.; SOLOVEY, V.I., inzh.

New feed distributors. Mekh. sil'. hosp. 12 no. 4:29-30 Ap '61.
(MIRA 14:4)

1. Kiyevskoye spetsial'noye konstruktorskoye byuro po sel'skokhozyaystvennym mashinam.
(Feeding and feeds) (Farm mechanization)

SHERSTYUK, D.S., inzh.; GRITSAYENKO, V.I., inzh.

The DKU-1.0 universal feed crusher. Trakt. i sel'khozmash. no.2: 41 F '64. (MIRA 17:3)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po sel'skokhozyaystvennym mashinam (for Sherstyuk). 2. Ukrainskaya sel'skokhozyaystvennaya akademiya (for Gritsayenko).

SHERSTYUK, A. V.

SHERSTYUK, A.V., LYSENKO, S.I.; SKRIPKIN, K.A.

Pin connections. Zhel.dor.transp. 39 no.8:77 Ag '57 (MIRA 10:9)
(Railroads--Rails)

IMSHENETSKIY, A.A.; KASATKINA, I.D.; AVERBUKH, Z.K.; TUPITSYNA, R.S.; IVANOVA, A.A.; SHERSTYUK, I.A.

Production of proteolytic enzymes by Bacillus mesentericus and their use for regeneration of triacetate motion-picture films. Mikrobiologiia 33 no.4:719-726 Jl-Ag '64. (MIRA 18:3)

1. Institut mikrobiologii AN SSSR i Shostkinskiy khimicheskiy zavod.

ÆLIKSON, A.G., inzh., SHERSTYUK, K.G., inzh.

Contactless device for measuring electric currents in rails.
Sbor. trud. DIIT no.39:89-92 '63. (MIRA 18:4)

...the form of carbon on the magnetic properties of transformer steel ...

...H_c to almost the original value and caused cementite to appear in the grains and in grain boundaries. A fourth anneal at 850° in vacuum again reduced H_c to about 0.25 and caused the cementite to change to graphite. Thus, H_c was reduced when cementite present within the grains was graphitized. When specimens were first annealed in vacuum at 1150° and then given a second anneal in vacuum or in dissocd. NH_3 at 850°, H_c increased from about 0.1 to 0.4, and cementite formed in the grains and grain boundaries although only graphite was present after the first anneal. If the percentage of C was greater than 0.015 the largest part of the cementite was present as coarse particles. Specimens were decarburized from 0.015% C to 0.003 by being heated in H_2 for 8 hrs. at 1200°. Later annealing in vacuum or in H_2 did not change H_c from its initial value of about 0.2 and did not cause any form of C to be visible in the microstructure. Tests were run to det. the influence on H_c of aging a supersatd. α solid soln. These specimens were annealed at 1150° in dissocd. NH_3 and then air cooled after a second heating to 850°. In specimens contg. less than 0.011% C, normalizing tended to decrease H_c by about 0.05, and in those contg. more than 0.012% C to increase it by about 0.1. When normalized specimens contg. less than 0.011% C were aged at 200°, H_c increased from 0.25 to about 0.6 and stayed there for the longest time used, 720 hrs. At an aging temp. of 500°, H_c increased to about 0.6 in 5 hrs. but by 10 hrs. had decreased again to about 0.3 and it stayed at this value to 45 hrs., the longest time used. Ppt. particles could be seen in the grain boundaries after the 500° treatment but not after the 200° one.

A. C. Cuy

(2)

SHERSTYUK, M.I.

Elimination of excessive brittleness of hot-rolled transformer steel. V. A. Koroleva and M. I. Sherstyuk (Met. Plant, Verkh-Usetsk). *Stal'* 16, 545–8(1956).—A study of bending characteristics of 4% Si sheets showed that their brittleness is increased by H absorbed in pickling, is not affected by the grain size, and very pronouncedly affected for the worse by the presence of cementite at the grain boundaries, the latter effect being reduced by repeated annealing in a vacuum at 800–900°. I. D. Gat

SHUBIN, G.N. [deceased]; DRUZHININ, V.V.; KOROLEVA, V.A.; PRASOVA, T.I.; SHERSTYUK, M.I.; KURENNYKH, L.K.

Effect of carbon on the magnetic properties of electrical steel. Stal' 21 no.5:445-448 My '61. (MIRA 14:5)

1. Verkh-Isetskiy metallurgicheskiy zavod.
(Steel—Magnetic properties)

OZHIGANOV, V.S.; LEVANTO, M.A.; KOROLEVA, V.A.; Prinimali uchastiye: KOZLOVSKIY, N.I.; ABOIMOV, P.S.; STARTSEVA, G.B.; KRIVONOSOVA, R.B.; SHERSTYUK, M.I.; KONOVALOVA, T.S.; ZHABOTINSKIY, I.M.; RADIN, F.A.

Improving the technology of producing electrical steel. Stal' 22 no.4:343-346 Ap '62. (MIRA 15:5)

1. Verkh-Isetskiy metallurgicheskiy zavod.
(Steel—Electric properties)

KOROLEVA, V.A.; SEREBRENIKOV, A.V.; KONOVALOVA, T.S.; SHERSTYUK, M.I.

Improving the quality of hot rolled transformer steel. Stal' 25 no.4:363-364 Ap '65. (MIRA 18:11)

1. Verkh-Isetskiy metallurgicheskiy zavod.

SHERSTYUK, N.V.

"Functional Treatment of Traumatic Contractures," Sov. Med., No. 9, 1949. L'vov, -c1949-.

ZGURSKIY, Anatoliy Yefimovich; SHERSTYUK, Rudol'f Onisiforovich; KOSTENKO, M.A., red.; KRYZHOVA, M.L., red.izd-va; TURKINA, Ye.D., tekhn.red.

[Inductive transducer for determining the number of steel rods] Induktivnyi datchik dlia opredeleniia kolichestva stal'nykh sterzhnei. Sverdlovsk, Gos.nauchno-tekhn.izd-vo po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1960. 18 p. (MIRA 14:6)

(Transducers) (Metal detectors)

1. [redacted], V., Eng.

2. USSR (600)

4. Ships - Maintenance and Repair

7. Application of automatic and semi-automatic welding to ship repair. Mor. flot. 13, No. 1, 1953.

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

AUTHOR: Sherstyuk, V.N., Engineer

TITLE: The Effect of Two-Arc Welding Parameters on the Fusing of Electrodes and Base Metal (Vliyaniye rezhima dvukhdugovoy svarki na plavleniye elektrodov i osnovnogo metalla)

SOV-135-58-11-6/21

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 11, pp 15-16 (USSR)

ABSTRACT: For the purpose of introducing two-arc welding process with a 2 mm electrode rod into shipbuilding, the author carried out experiments consisting in the welding of beads by two arcs in one welding bath with the use of a low-carbon "Sv-08A" electrode rod 2 mm in diameter and "AN-348A" flux. The welding technology is described, and the parameters are given (Table 1). Seam shape parameters (Table 2) permit the conclusion that the increased arithmetical mean value of currents on the first and second arcs entail an increased depth, width and area of melting, an increased height of protruding weld metal and a reduced seam shape coefficient. The use of 215 - 600 a current on the first arc and 209 - 520 a current on the second arc make it possible to weld metal 3 - 30 mm thickness.

Card 1/2

The Effect of [illegible] Metal [illegible] are 4 diag[illegible]

SOV-135-58-11-17/21

AUTHOR: Sherstyuk, V.N., Engineer

TITLE: A Welding Conference of Pacific Coast Plants (Konferentsiya po svarke predpriyatiy Tikhookeanskogo basseyna)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 11, p 39 (USSR)

ABSTRACT: A welding conference of the Pacific coast plants convened at Vladivostok by the Scientific Technical Section of Water Transports. The following reports were delivered: Engineer V.N. Sherstyuk on "Further Development of Welding Practice in Far-East Plants"; Dotsent, Candidate of Technical Sciences M.S. Kulikov on the repair welding of crankshafts; Dotsent, Candidate of Technical Sciences, N.V. Barabanov on a rational design of welded ship hulls; Engineer S.N. Agranomov on the use of the latest methods in semi-automatic and automatic welding processes; Alekseyev, Gubskiy, Yung, Mallopuro, Tsirkul'nikov, Kagner and other plant workers made various valuable suggestions on the further development of the welding process in Far-East plants. The Conference decided to

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establish a welding laboratory on the Pacific coast, and resolved to take various measures to improve welding practice in this region.

1. Welding—USSR

SHERSTYUK, V.

SHERSTYUK, V.

For the introduction of highly efficient welding methods. Mor. flot 18 no.2:23 F '58. (MIRA 11:2)

1.Zamestitel' nachal'nika Tikhookeanskoy inspektsii Morskogo Registra SSSR.

(Electric welding)
(Ships--Maintenance and repair)

25(1) SOV/125-59-1-15/15

AUTHOR: Sherstyuk, V.N.

TITLE: Technical Conference of Enterprises of the Pacific Ocean Basin on Welding Problems (Tekhnicheskaya konferentsiya Tikhookeanskogo Basseyna po voprosam svarki)

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 1, p 92 (USSR)

ABSTRACT: The NTO (Nauchno-tekhnichkiy otdel - Scientific-Technical Section) of the Vladivostok Water Transportation Department convoked a technical conference on welding problems at enterprises of the Ministry of Sea Fleet and other departments. Engineer V.N. Sherstyuk lectured on "The Further Perfection of Welded Goods Production at Far-Eastern Enterprises", and M.S. Kulikov, Candidate of Technical Science, on "The Maintenance of Crankshafts by Means of Arch Welding". N.V. Barabanov, Candidate of Technical Sciences, reported on "The Rational Construction of Welded Ship Frameworks". Engineer S.N. Araponov talked on results of automatic and semi-automatic welding applied at the Vladivostokskiy sudostroitel'niy zavod (Vladivostok

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18(2,5)
AUTHOR: Sherstyuk, V.N., Engineer

SOV/125-59-9-10/16

TITLE: Features of Two-Arc Welding by Thin Electrode Wire

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 9, pp 74-80 (USSR)

ABSTRACT: Arc-welding under flux by thin electrode wire having a diameter of 1.6-2 mm can be performed either by using one common puddle or separate puddles (Fig 1). Welding by two arcs with a common puddle, it is possible to change considerably the parameters of welded joints, and to receive welds possessing the required mechanical properties and chemical composition. That is why this method permits the elimination of cracks and other defects in welds. Another advantage of it is the increased speed of the welding process. Two-arc welding is applied in serial manufacture of tubes, repairing of railroad cars and ships, and of other constructions. When welding with a common puddle, the resulting action of two arcs depends on their voltage, inclination angles, and the distance between them; all these

Card 1/3

Features of Two-Arc Welding by Thin Electrode Wire

parameters can be changed at will, thus enabling control of the fusion depth. The optimum distance selection between the arc depends on the condition of welding; it can be pre-calculated. The speed of welding is 20 to 60 m/hour. Table 2 gives conditions which may be applied for welding of fillet- and groove joints. Evaluation of welding conditions is seen from Table 3. Analysis of figures shows that with augmentation of the first and second arc current intensity, the fusion depth increases. Table 4 gives figures pertaining to the influence of welding conditions on distribution of heat energy when welding by two arcs in a common puddle. Elevation of welding speed entails an increase of heat consumption for base metal melting, while for electrode wire and flux melting, the heat consumption is reduced, as the welding speed increases. There are 4 tables, 2 diagrams and 14 Soviet references.

Card 2/3

SOV/125-59-9-10/16

Features of Two-Arc Welding by Thin Electrode Wire

ASSOCIATION: Dal'nevostochnyy nauchno-issledovatel'skiy institut po stroitel'stvu ASiA SSSR (Far-EastScientific-Research Institute of Construction ASiA USSR)

SUBMITTED: August 25, 1958

Card 3/3

SHERSTYUK, V.N.

Technical conference in the Pacific Ocean area on welding problems. Avtom.svar. 12 no.1:92 Ja '59. (MIRA 12:4)
(Electric welding)

SHERSTYUK, V. N.

Cand Tech Sci - (diss) "Study of the process and technological characteristics of double-arc welding under flux of small-diameter electrode wires." Kiev, 1960. 13 pp; (Academy of Sciences USSR, Order of Labor Red Banner Inst of Electro-Welding imeni Ye. O. Paton); 200 copies; price not given; list of author's works on p 13 (11 entries); (KL, 5-61 sup, 195)

SHERSTYUK, V.N.

Conference on problems of using two-arc welding in shipbuilding and ship repairs. Avtom.svar. 13 no.2:95 F '60.
(MIRA 13:5)

(Ships--Welding)

SHERSTYUK, V.N.

Effect of two arcs in one bath on the shape of the bath and the stability of the process of twin arc welding. Sbor. nauch. rab. DVNIIS no.1:19-30 '61. (MIRA 16:11)

PALLADIN, A.V., akademik; FEDORCHENKO, I.M., akademik; GULYY, M.F., akademik; BAKULIN, D.I.; MEL'NIKOV, N.P., kand.tekhn.nauk; OKERBLOM, N.O., prof., doktor tekhn.nauk; LYUBAVSKIY, K.V., prof. doktor tekhn.nauk, laureat Stalinskikh premiy; PORTNOY, N.D., kand.tekhn.nauk; TSYBAN', N.G.; KULIKOV, M.S., dotsent; AGRONOMOV, S.N., inzh.; POLYAKOV, V.A., inzh.; SHERSTYUK, V.N., inzh.

Congratulations on the publication of the issue no.100 of the "Avtomaticheskaia Svarka" journal. Avtom.svar. 14 no.7: 3-8 Jl '61. (MIRA 14:7)

1. Prezident AN USSR (for Palladin). 2. AN USSR, glavnyy uchenyy sekretar' AN USSR (for Fedorchenko). 3. AN USSR, predsedatel' redaktsionno-izdatel'skogo soveta AN USSR (for Gulyy). 4. Uchenyy sekretar' AN USSR (for Bakulin). 5. Direktor instituta "Proyektstal'konstruktsiya" (for Mel'nikov). 6. Predsedatel sektsii svarochnogo proizvodstva Tekhniko-ekonomicheskogo soveta Leningradskogo sovnarkhoza (for Okerblom). 7. Glavnyy svarshchik Uralvagonzavoda (for Portnoy). 8. Glavnyy inzh. zavoda im. Nosenko (for TSyban'). 9. Dal'nevostochnyy politekhnicheskiy institut im. V.V.Kuybysheva (for Kulikov). 10. Dal'zavod (for Agronomov, Polyakov). 11. Dal'nevostochnyy nauchno-issledovatel'skiy institut po stroitel'stvu (for Sherstyuk).
(Electric welding--Periodicals)

SHERSTYUK, V.N.

Second Far-Eastern Conference on Welding. Avtom. svar. 15 no.8:92 Ag '62. (MIRA 15:7)
(Welding--Congresses)

SHERSTYUK, V.N., kand.tekhn.nauk

Shape of welding baths and the stability of the twin-arc welding process. Svar.proizv. no.11:16-18 N '62. (MIRA 15:12)

1. Dal'rybvtuz.

(Electric welding)

SHNAYDERMAN, S.Ya.; SHERSTYUK, V.P.

Chromotropic complexes of molybdenum. Zhur.neorg.khim. 8 no.2: 457-463 F '63. (MIRA 16:5)
(Molybdenum compounds) (Naphthalenedisulfonic acid)

CHUMAKOV, Yu.I.; SHERSTYUK, V.P.; DZYGUN, Ye.P.

Synthesis of mono- and dialkylpyridines substituted in the positions 3,4, and 5. Ukr. khim. zhur. 31 no.6:597-600 '65. (MIRA 18:7)

1. Kiyevskiy politekhnicheskiy institut.

POLISHCHUK, V.V.; SHERSTYUK, V.V.

Materials on the food of perch (Perca fluviatilis) in the middle reaches of the Dnieper River. Dop. AN URSR no.114-117 '62. (MIRA 15:2)

1. Institut gidrobiologii AN USSR. Predstavleno akademikom AN USSR A.P.Markevichem [Markevych, O.P.]
(Dnieper River—Perch)
(Fishes—Food)

SHERSTYUK, V.V.

Feeding habits of young pike in the upper part of Kremenchug Reservoir. Gidrobiol. zhur. 1 no. 6:50-53 '65 (MIRA 19:1)

1. Institut gidrobiologii AN UkrSSR, Kiyev.

CHEPURKO, M.I., kand. tekhn. nauk; BUYNOVSKIY, A.M.; STEFANSKIY, I.S.; KIRVALIDZE, N.S.; PANYUSHKIN, A.V.; TARASENKO, V.A.; SHERSTYUK, Ya.P.

Extrusion of bimetallic pipe made of steel and copper. Met. i gornorud. prom. no.6:36-38 N-D '64. (MIRA 18:3)

EXCERPTA MEDICA Sec 2 Vol 12/5 Physiology May 59

1647. DEPENDENCE OF PHAGOCYTIC REACTION OF LEUKOCYTES ON THEIR CARBOHYDRATE METABOLISM (Russian text) - Shertneva O. S. Dept. of Norm. Physiol., Kishinev Med. Inst. - BJULL. EKSP. BIOL. MED. 1958, 45/3 (67-69) Graphs 2

Glucose and insulin added together to the medium cause a considerable increase of phagocytic activity of leucocytes of human blood. Glucose and insulin added separately decrease this activity. Elimination of glycolysis induced by the addition of iodoacetic acid likewise diminishes phagocytosis: this effect is abolished by the addition of lactic acid. The phagocytic activity of leucocytes depends to a great extent on their carbohydrate metabolism.

[illegible] M.M. [illegible]; GRENL, S.P.; [illegible]VERMAN, A.I., inzh.

[illegible] a multispan bridge across the Irtysh. Transp. stroi. 15 [illegible]32-32 F '65. (MIRA 18:3)

SHERTSINGER, G.Ye.

Partial pericardiectomy and cardiolysis for treating pericarditis which developed following purulent peritonitis. Khirurgiia (MIRA 11:4)
Supplement:8-9 '57.

1. Iz dorozhnoy bol'nitsy Amurskoy oblasti.
(PERICARDIUM--SURGERY) (HEART--SURGERY)
(PERITONITIS)

SHERSTYUKOV, A.D.

Increasing the gap efficiency of axial fans. Ugol' Ukr. 6 no.1:17-18 Ja '62. (MIRA 15:2)

1. Khar'kovskiy gornyy institut.
(Fans, Mechanical)

SHERSTYUKOV, N.M. (Groznyy)

Earthquake in Groznyy. Priroda 52 no.3:112 '63. (MIRA 16:4)
(Groznyy—Earthquakes, 1963)

SUSHKOVA, A.S., kand. tekhn. nauk; SHCHERBAK, I.Ye., agronom; KOSHEVEROVA, Ye.P.; SHERSTYUKOVA, S.A., inzh.; GOLOVIN, P.V., doktor tekhn. nauk [deceased]

Chemical analysis of sugar sorghum stalks. Pishch. prom. no.2:21-25 '65. (MIRA 18:11)

1. Institut organicheskoy khimii AN UkrSSR.

SHERTS, M.M., inzh.

Insulating the thoroughfare part of a large bridge by the application of glass gauze. Transp. stroi. 15 no.6:15-16 Je '65. (MIRA 18:12)

SHERUDA, S.D.

Machinery for controlling plant pests. Trakt. i sel'khozmash. 31 no.7:32-33 Jl '61. (MIRA 14:6)

1. Gosudarstvennoye spetsial'noye knostruktorskoye byuro po mashinam dlya khimicheskoy zashchity rasteniy.
(Spraying and dusting equipment)

SHERUDA, S.D.; STEGAYLO, I.V.

Modernized OSSh-15A sprayer. Zashch. rast. ot vred. i bol. 7 no. 11:21-22 N '62. (MIRA 16:7)

1. Glavnyy inzh. Gosudarstvennogo spetsial'nogo konstruktorskogo byuro L'vovskogo soveta narodnogo khozyaystva (for Sheruda). 2. Vedushchiy konstruktor Gosudarstvennogo spetsial'nogo konstruktroskogo byuro L'vovskogo soveta narodnogo khozyaystva (for Stegaylo).

SHERUDA, S.D.; GEKHTMAN, N.A.

GAN-8 "Urozhai" mounted ammoniac and weed killer solution spraying machine. Trakt. i sel'khozmash. 32 no.1:34 Ja '62. (MIRA 15:2)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po mashinam dlya khimicheskoy zashchity rasteniy.
(Fertilizer spreaders) (Herbizides)

SHERUDA, S.D., inzh.

Trends in the work of the State Special Design Office on machines for chemical protection of plants. Trakt. i sel'khoz-mash. 33 no.10:36-37 O '63. (MIRA 17:1)

SHERUDA, S.D., inzh.

The RZh-1,7 modernized liquid manure distributor. Trakt. i sel'khozmash. 33 no.11:38-39 N '63. (MIRA 17:9)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po mashinam dlya khimicheskoy zashchity rasteniy.

SHERUDA, S.D.; FILITSIN, V.V., inzh.

Machines manufactured in 1964. Zashch. rast. ot vred. i bol. 9 no.3:33-36 '64. (MIRA 17:4)

1. Glavnyy inzh. Gosudarstvennogo spetsial'nogo konstruktorskogo byuro L'vovskogo soveta narodnogo khozyaystva (for Sheruda).

SHERUDA, S.D.

A new sprayer. Zashch. rast. ot vred. i bol. 9 no.9:24 '64.
(MIRA 17:11)

1. Glavnyy inzh. Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po mashinam dlya khimicheskoy zashchity rasteniy L'vovskogo soveta narodnogo khozyaystva.

SHERUDA, S.D.

The APR "Temp" unit for the preparation of working liquids for sprayers. Trakt. i sel'khozmash. no.11:31-32 N '64. (MIRA 18:1)

1. GSKB po mashinam dlya khimicheskoy zashchity rastsniy, L'vov.

SHERUDA, S.D., inzh.

New sprayers. Mashinostroenie no.2:97-99 Mr-Ap '65. (MIRA 18:6)

SHERUDA, S.

For highly efficient use of machinery. Zashch. rast. ot vred. i bol. 10 no.3:25-29 '65. (MIRA 19:1)

1. Glavnyy inzh. Gosudarstvennogo spetsial'nogo konstruktorskogo byuro po mashinam dlya khimicheskoy zashchity rasteniy L'vovskogo soveta narodnogo khozyaystva.

SHERUDILO, A.I.; BRODSKIY, V.Ya.

Microphotometric determination of the quantity of absorbing matter in nonhomogeneous objects. Opt. i spektr. 11 no.2:266-267 Ag '61. (MIRA 14:8)
(Microspectrophotometry)

BELYAYEV, D.K.; KIKNADZE, I.I.; SHERUDILO, A.I.

Cytophotometric determination of the amount of desoxyribonucleic acid in the sexual cells of various genotypes. Dokl. AN SSSR 143 no.4:958-960 Ap '62. (MIRA 15:3)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom V.A.Engel'gardtom.
(DESOXYRIBONUCLEIC ACID) (SPERMATOZOA)

SHERUDILO, A.I.

Cytophotometry in the visible region of the spectrum. Izv. SO AN SSSR. no.12: Ser. biol.-med. nauk no.3:145-146 '64. (MIRA 18:6)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

SOV/48-23-9-28/57

24(7)

AUTHORS: Iventsov, L. M., Sherudilo, A. I.

TITLE: A Photoelectric Attachment for Spectrographs of Medium Size Models

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 9, pp 1114 - 1115 (USSR)

ABSTRACT: This photoelectric attachment was developed for spectrographs of the type ISP-22, and figure 1 shows an optical scheme of this arrangement. In the focal plane of the spectrograph a quartz plate is arranged, on which, in an impermeable aluminum layer transmissive slits are provided. The light inciding through the slits is deflected to photoelectric cells of the type STsV-6 by means of mirrors. An automatic thermostat prevents a thermal shifting of the lines, and, by means of a suitable construction, a shifting of the lines in the case of a variation of a slit width is prevented. In this way it is possible, when passing over to a new program, to avoid the time-consuming adjustment necessary for finding the desired lines. Further, the authors developed a special apparatus for the cutting of the passage slits according to a given spectro-

A Photoelectric Attachment for Spectrographs of Medium Size Models

gram, in which case cutting of the slits is carried out at the moment when the desired line is recorded photoelectrically at the slit of the microphotometer. The minimum distance between slits is 0.01 mm, and the shifting between the centers of the slit and the line amounts to 1-2μ. In conclusion, the mode of operation of the device is discussed. After establishment of thermal equilibrium the relative line intensities are unchanged with respect to time, and the signals in the various channels are in the range of 0.5 - 2.5 v. The errors in the reproducibility of the intensity of ratios of several iron lines amounted to about 0.5 - 0.7%. There are 2 figures and 2 references, 1 of which is Soviet.

SEBELEVA, T.Ye.; SHERUDILO, A.I.; KIKNADZE, I.I.

Quantitative determination of DNA during puff formation in Chironomus dorsalis. Genetika no.2:102-105 Ag '65.
(MIRA 18:10)

1. Institute of Cytology and Genetics, Academy of Sciences of the U.S.S.R., Siberian Department, Novosibirsk.

1. SHERVARLI, P. D.

2. USSR (600)

4. Tajikistan--Oak

7. Growing oak in Tajikistan nurseries, Les. khoz., 5, No. 12, 1952.

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

: Forestry. Forest Cultures.

ABS. JOUR : Ref Zhur -Biologiya, No. 5, 1959, No. 20165

AUTHOR : Shervarli, P.D.

INST. :

TITLE : Green Shelter.

ORIG. PUB.: Sb. Tadzhikistana, 1958, No.4, 18-19

ABSTRACT: A report is given on the creation of shelter belts of 24 rows of oak, poplar, plantain, ash, smoothleaf elm, walnut, persimmon, apple, honeylocust and shrubs in the Kafirnigan Valley (Tadzhikistan) where valuable cotton varieties are raised. A system of putting these species into cultivation is presented.

CARD: 1/1

NEDAVNIY, V.S. (Kiyev); SHERVASHIDZE, V.V. (Kiyev)

New method for realizing feedback in a servosystem by the second derivative with respect to the time of the angle of rotation of the tracking axis. Avtomatyka 8 no.4:11-16 '63. (MIRA 16:10)

SHERVATOV, V.G.; LAPKO, A.F., redaktor; GAVRILOV, S.S.; tekhnicheskiy redaktor.

[Hyperbolic functions] Giperbolicheskie funktsii. Moskva Gos. izd-vo tekhniko-teoret. lit-ry, 1954 54 p. (Populiarnye lektsii po matematike, no. 16) (MLRA 8:7)

(Functions, Exponential)

SHERVATOV, V.G.

[Hyperbolic functions] Giperbolicheskie funktsii. Moskva, Gostekhizdat, 1954. 56 p. (MLRA 7:12D)

SHERVATOV, Vladimir Grigor'yevich

[Hyperbolic functions] Giperbolicheskie funktsii. Izd. 2. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1958. 54 p. (Populiarnye lektsii po matematike, 16) (MIRA 14:5)
(Functions, Exponential)

SHERVERNITSKIY, V. V., TRUFYAKOV, V. I.

Welding

Joining cross and longitudinal girders in all-welded bridges with lower roadway. Avtom. svar. 4 no. 4 (19), 1951.

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

AVER'YANOV, I.P.; KASATKIN, A.M.; LIVENTSOV, A.V.; MARKOV, M.N.; MERSON, Ya.I.; SHAMILEV, M.R.; SHERVINSKIY, V.Ye.;

Measurement of the emerging heat radiation of the earth from a high-altitude geophysical automatic station during the total solar eclipse of Februrary 15, 1961. Isk.sput.Zem. no.14:49-56 '62. (MIRA 15:11)
(Heat--Radiation and absorption)
(Atmosphere, Upper--Rocket observations)

L 7654-66 EWT(m)/ETC(m) DIAAP WW

ACC NR: AP5025058 SOURCE CODE: UR/0286/65/000/016/0099/0099

AUTHORS: Shervinskiy, V. Ye.; Merkulov, V. S.

65
B

ORG: none

TITLE: Radioisotopic device for measuring pressure and rarefaction. Class 42, No. 173994

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 99

TOPIC TAGS: radioisotope, pressure gage, ionization detector, ionizing radiation, gas ionization, nuclear physics apparatus, physics laboratory instrument

ABSTRACT: This Author Certificate presents a radioisotopic device for measuring pressure and rarefaction. The device contains a sensitive unit in the form of a sealed flexible reservoir of variable volume, enclosed in a protective jacket and open to the medium the pressure of which is to be measured (see Fig. 1). To increase the measurement accuracy of the parameter under investigation, the variable volume reservoir is filled with a radioactive gas and is connected to a constant volume reservoir. The latter is provided with a detector of ionizing radiations. The detector is acted upon by the nuclear radiation from the atoms of the

Card 1/2 UDC: 531.787

L 7654-66

ACC NR: AP5025058

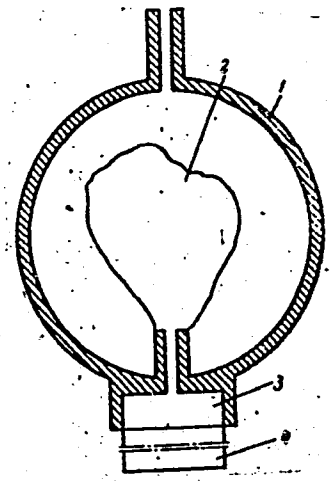

Fig. 1. 1- protective jacket; 2- variable volume reservoir; 3- constant volume reservoir; 4- detector of diminishing radiations

radioactive gas contained in the constant volume reservoir. Orig. art. has: 1 figure.

SUB CODE: 20,18/SUBM DATE: 03May63

Card 2/2

SHERVUD, L.Ya.

Electron automatic compensator. Geofiz. prib. no.19:34-44 '64.
(MIRA 18:9)

PUGACH, Ye. (Leningrad); SHERYAKOV, V. (Leningrad)

Plastics and synthetic materials in major repairs. Zhil.-kom. khoz. 13 no.4:8b-9 Ap '63. (MIRA 16:5)
(Plastics) (Building materials)

DOLINSKIY, A.A. , inzh.; SEMENOV, P.P., inzh.; SHERYAKOV, V.F., inzh.

New techniques for manufacturing prestressed reinforced concrete sheet piles. Transp.stroi. 9 no.2:19-21 F '59.
(MIRA 12:5)
(Concrete piling) (Prestressed concrete construction)

LEVIN, A.N.; SHERYSHEV, A.A.

Ways for raising the technical level of the production of plastics and plastic goods. Plast.massy no.10:1-2 '62. (MIRA 15:11)

(Plastics industry)

KORETSKIY, I.M.; LEVIN, A.N.; SHERYSHEV, A.A.

Equipment for manufacturing plastics products. Plast. massy no.3:1-3 '65. (MIRA 18:6)

ACC NR: AM6032372 Monograph UR/

Belousov, A. I. (Docent, Candidate of Technical Sciences); Bobrik, P. L (Docent, Candidate of Technical Sciences); Rakhman-Zade, A. Z. (Candidate of Technical Sciences); Silin, S. S. (Docent, Candidate of Technical Sciences); Uspenskiy, N. V. (Docent); Khvorostukhin, L. A. (Docent, Candidate of Technical Sciences); Sheryshev, V. I. (Candidate of Technical Sciences)

Thermal phenomena and machinability of aircraft materials (Teplovyye yavleniya i obrabatyvayemost' rezaniyem aviatsionnykh materialov) Moscow, Izd-vo "Mashinostroyeniye," 1966. 178 p. illus., biblio. (At head of title: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR) Errata slip inserted. 2400 copies printed.

Series note: Moscow. Aviatsionnyy tekhnologicheskiy institut. Trudy, vyp. 64

TOPIC TAGS: heat-resistant steel, heat-resistant alloy, heat generation, heat phenomena, gear threading, thread grinding, aircraft material, material machinability, metal machining

Card 1/3 UDC: 621.910.71:669.14.018.45

ACC NR: AM6032372

PURPOSE AND COVERAGE: This book is intended for engineering personnel of machine-building plants, scientific research institutes and plant laboratories. It may also be useful for students of schools of high technical education specializing in technology. The book reviews the most important problems of heat generation in the process of machining various aircraft materials and its effect on material machinability. New methods of machining procedure are discussed on the basis of analysis of physical and mechanical properties of materials. Theoretical analysis of heat-affected zones in machining is presented along with examples of its calculation. Also discussed are specific thermal phenomena and the process of machining light-weight and copper alloys at a speed up to 10,000 m/minute. Separate chapters are devoted to an analysis of thermal phenomena and machinability relative to gear threading at thread grinding. Chapters I and IV are written by Docent P. I. Bobrik, Cand. of Tech. Sciences; Ch. II. by Docent A. I. Belousov, Cand. of Tech. Sciences; Ch. III by Docent L. A. Khvorostukhin, Cand. of Tech. Sciences; Ch. V. by Docent S. S. Silin, Cand. of Tech. Sciences; Ch. VI. by Docent N. V. Uspensky; Ch. VII by V. I. Sheryshev, Cand. of Tech. Sciences; and Ch. VIII by A. Z. Rakhman-Zade, Cand. of Tech. Sciences.

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ACC NR: AM6032372

SUB CODE: 13/ SUBM DATE: 05Mar66/ ORIG REF: 065/ OTH REF: 007/

Card 3/3

S/121/63/000/002/008/010
D040/D112

AUTHOR: Sheryshev, V.I.

TITLE: Force and temperature dependences in milling gears made from refractory and titanium alloys.

PERIODICAL: Stanki i instrument, no. 2, 1963, 33-35

TEXT: Involute spur gear hobbing experiments on ЭИ 827 (EI627) and ВТ 14 (VT14) alloys were conducted to study the dependence of the cutting force and temperature on the cutting speed and depth, feed, chip volume, and tool wear. Hobbing was conducted on a 5Б32 (5B32) gear hobbing machine of the "Komsomolets" Plant, with hobs of Р 18 (R18) steel and sulfofrezol for cooling. The cutting temperature was measured by the natural thermocouple method, with slip rings placed on the hob and on the gear; the mean temperature was recorded by a millivoltmeter, and instantaneous temperatures by a loop oscillograph. At the same time, the cutting force was measured by a dynamometer with strain gages and recorded by a milliammeter and a loop oscillograph. The experiments are described, and the data given in graphs and a table. The data show that the cutting force and temperature are 2-5 times higher for the alloys than for 40Х (40Kh) steel, feed has a

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S/121/63/000/002/008/010
D040/D112

Force and temperature ...

considerable effect on the cutting force, and cutting speed a still greater effect, so that it is advisable to use increased feed instead of increased cutting speed, but to ensure rigidity of the machine, tool and gear being cut. The use of coolant reduced the cutting temperature by 60-140°C and the cutting force by 20-30%. The derived formulas may be used in calculations of the gear cutting machine drives, and for determining the cutting process parameters. There are 8 figures and 1 table.

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L 39941-65 EPF(c)/EWP(k)/EWP(z)/EWT(d)/EWT(l)/EWT(m)/EWP(h)/[illegible]/EWA(d)/
EWT(l)/EWT(w) EWP(v) EWT(t) Pf-4 IJP(c) MLW/JD/WB

ACCESSION NR: AT5001354 S/2536/64/000/060/0050/0059

AUTHOR: Sheryshev, V.I.(Aspirant)

TITLE: Gear-milling of cylindrical straight-toothed wheels from alloys EI827 and VT14

SOURCE: Moscow. Aviatsionnyy tekhnologicheskiy institut. Trudy, no. 60, 1964. Povysheniye resursa raboty aviatsionnykh detaley tekhnologicheskimi sredstvami (Increasing the efficiency potential of aircraft parts by technological procedures), 50-59

TOPIC TAGS: gear milling, hobbing cutter, cutter wear, heat resistance alloy, titanium alloy, gear tooth wear alloy EI827, alloy VT14

ABSTRACT: The author calls attention to the ever greater industrial use, particularly in the newer technological areas, of materials having special, improved characteristics and properties, such as resistance to heat and corrosion, but which at the same time are distinguished by poor machinability. The present article considers a specific technological index, or criterion, of machinability - the tooth wear in hobbing cutters and the effect of this wear on the accuracy with which gear wheels can be manufactured from heat-resistant and titanium alloys. Serving as the object of the investigation were straight-toothed cylindrical gear-wheels of external evolvent engagement, manufactured of heat-resistant alloy EI827 and titanium alloy VT14, the number of teeth per wheel was 38, the

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modulus 1 mm, and the length of the tooth to be cut - 10 mm. The study was made on a model 5B32 gear-cutting machine of the "Komsomolets" plant. Single-cut hob cutters (Class A, GOST 9324-60), manufactured of R18 fast-cutting steel with a hardness of HRC = 62-65, were employed as the cutting tools. Further details with respect to the test procedure are given in the article. In order that the experiment approximate actual production conditions as closely as possible, it was conducted directly on the milling machine, using a device in which the optical system, somewhat modified, was adapted from a PMT-2 instrument (used in the measurement of micro-hardness). This device made it possible to measure wear over the forward and rear surfaces of the tooth. Considerable attention is paid in the article to an attempt at establishing the permissible degree of hob cutter tooth wear as a function of the accuracy of the gears manufactured. Curves are presented which illustrate the change in maximum cutter tooth wear with time depending on various given parameters, and also the distribution of wear for all the teeth of the cutter. Using a grapho-analytic method for the processing of experimental data, the author was able to establish various mathematical expressions reflecting the reactions of both alloys to various factors resulting in wear. On the basis of the results obtained in this study, various machining recommendations are advanced which take into consideration the specific behavior of the alloys in terms

L 39941-65

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of wear tolerances. "The work was carried out under the scientific supervision of Prof. A.M. Daniyelyan (Dr. Tech. Sci.; Honored scientific worker and technician of the RSFSR), with the cooperation of Docent S.I. Gurevich (Bach. Tech. Sci.), in the "Treatment of metals by cutting" laboratory of MATI." Orig. art. has: 4 formulas and 8 figures.

ASSOCIATION: Moskovskiy aviatsionnyy tekhnologicheskiy institut (Moscow aeronautical engineering institute)

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

NO REF SOV: 004 OTHER: 000

Card 3/3

SHERYSHEV, V.I.; YAKIMOV, A.V.; KAZIMIRCHIK, Yu.A.

Force dependences in grinding gears with dish wheels. Stan. i instr. 36 no.10:9-10 O '65. (MIRA 18:11)

TIMOKHINA, M.A., dotsent; TALLERCHIK, V.A., oblastnoy akusher-ginekolog; LEBEDEVA, Ye. N., Vrach; LEVIT, D.O.; SHERYSHEVA, Z.G.; MALENKOVA, N.A.

Cause and prevention of incomplete pregnancy. Sbor. nauch. trud. Ivan. gos. med. inst. no. 28:330-339 '63 (MIRA 19:1)

1. Iz kafedry akusherstva i ginekologii (ispolnyayushchiy obyazannosti zav. kafedroy-dotsent M.A. Timokhina) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor-dotsent Ya. M. Romanov) i Ivanovskogo oblastnogo zdravotdela (zav. N.N. Vavulina).

SHERZHUKOV, B.S., inzh.

Determining seepage areas in designing drainage ditches. Torf.prom. 35 no.8:25-27 '58. (MIRA 11:12)

1. Giprotorf.
(Drainage)

SHABLINSKIY, Vladimir Varfolomeyevich; VAZILO, A.P., inzh., red.; SHERZHUKOV, B.S., inzh., red.; LARIONOV, G.Ye., tekhn.red.

[Hydraulic calculation of canals and small rivers in connection with the draining of peat deposits, bogs, and swampy land] Gidravlicheskie raschety kanalov i malykh rek pri osushenii torfianykh mestorozhdenii, bolot i zabolochennykh zemel'. Moskva, Gos.energ.izd-vo, 1959. 111 p. (MIRA 12:4)
(Drainage) (Hydraulic engineering)

VAZILO, A.P., inzh.; SHERZHUKOV, B.S., inzh.

Water supply for fire prevention on milled peat fields. Torf.prom. 36 no.1:36 '59. (MIRA 12:3)

1. Giprotorf.
(Water supply, Industrial)

SHERZHUKOV, B.S., inzh.

Designing presses for continuous briquetting. Torf.prom. 36 no.6:28-30 '59. (MIRA 13:2)

1. Kalininskiy torfyanoy institut.
(Briquets (fuel)) (Power presses)

SHERZHUKOV, B.S. (Moskva)

Unsteady flow in horizontal [redacted] in the drainage of seepage-flow peat bogs. PMTF no.3:201-204 S-O '60. (MIRA 14:7)
(Peat bogs)
(Drainage)

SHERZHUKOV, B. S.

Cand Tech Sci - (diss) "Study of problems of the dynamics of ground waters in draining peat deposits taking into account hydrogeological conditions." Moscow, 1961. 22 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Kalinin Peat Inst); 200 copies; price not given; (KL, 6-61 sup, 228)

GANAYENKOV, N.I.; SHERZHUKOV, B.S.

Determining the water permeability of soils in field conditions. Inzh.-fiz. zhur. 4 no.10:71-77 O '61. (MIRA 14:10)

1. Torfyanoy institut, Kalinin.
(Soil percolation)

SHERZHUKOV, B.S., inzh.

Approximate solution of some problems in transient filitration by the iteration method. Torf.prom. 38 no.2:7-10 '61. (MIRA 14:3)

1. Kalininskiy torfyanoy institut.
(Peat soils)

GAMAYUNOV, N.I. (Kalinin); SHERZHUKOV, B.S. (Kalinin)

Reduction of piezometeic pressures in aquifers underlying soils to be drained. PMTF no.1:137-142 Ja-F '62. (MIRA 15:4)

1. Kalininskiy torfyanoy institut.
(Soil percolation) (Drainage)

SOLOPOV, S.G., doktor tekhn.nauk; SHERZHUKOV, B.S., kand.tekh.nauk; DZEKTSER, Ye.S.

Intensive draining of peat bogs. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. no.11:34-37 '62. (MIRA 15:11)
(Peat bogs) (Drainage)

[redacted], N.I.

[redacted] of the calculation of the hydrogeological parameters of [redacted]-bearing layers when sampling them using a test hole. Izv. vys. ucheb. zav.; geol. i razv. 7 no 5:106-112 My '64. (MIRA 19:3)

1 Kalininskiy [redacted] institut.

SEMENOV, A.I., kand.tekhn.nauk; SHERZHUKOV, G.Ye., inzh.

Experimental investigation of the loss of prestress in wire-reinforced composite girders. Sbor.trud.IUZHNII no.3:198-208 '59. (MIRA 13:7)
(Girders) (Strains and stresses)

SEMENOV, A.I., kand.tekhn.nauk; BANDOS, P.L., inzh.; SHEVCHENKO, V.Ya., inzh.; SHERZHUKOV, G.Ye., inzh.

Fiber glass reinforcements for concrete construction elements. Sbor.trud.IUZHNII no.3:209-217 '59. (MIRA 13:7)

(Glass fibers) (Reinforced concrete)

ANDREYEV, Grigoriy Yakovlevich; SHERZHUKOV, Geliy Yefimovich; SHEVCHENKO, Valentin Yakovlevich; LEV, Arkadiy L'vovich; SPAVKIN, I.P., ved. red.; KUZNETSOV, P.G., ved. red.; PENGLER, K.I., red.

[Manufacturing and using glass-reinforced plastic pipes; a survey of foreign technology] Proizvodstvo i primenenie stekloplastikovykh trub; obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 89 p. (Tema 10) (MIRA 17:4)

ANDREYEV, Georgiy Yakovlevich; SHERZHUKOV, Geliy Yefimovich; SHEVCHENKO, Valentin Yakovlevich; DARDYK, Yakov Iosifovich; KORNIYENKO, M.A., dots., otv. red.; ALYAB'YEV, N.Z., red.

[Manufacture of glass-reinforced plastic pipes] Izgotovlenie stekloplastikovykh trub. Khar'kov, Izd-vo Khar'kovskogo univ., 1964. 98 p. (MIRA 17:12)