"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

S/279/63/000/001/003/023
E111/E452

AUTHORS: Meyerson, G.A., Yakeshova, L.M., Shvedova, T.A. (Moscow)

TITLE: Reduction of titanium and niobium oxides with calcium carbide and cyanamide

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i gornoye delo. no.1, 1963, 69-75

TEXT: One way of processing materials containing oxides of high-melting metals is by a reduction-carbidization treatment to give carbides or carbonitrides. To ascertain how the very high temperatures normally required for carbon reduction could be lowered, the authors have investigated reduction of pure titanium and niobium oxides with calcium carbide and cyanamide. Their thermodynamic calculations and experiments showed that reduction is possible at temperatures of about 1000°C. In an atmosphere of nitrogen (or in an inert atmosphere when $CaCN_2$ is used) almost theoretical yields of carbonitrides are obtained, i.e. total combined C and N approaches 50% atomic; with titanium the nitrogen content is, as a rule, several times greater than that of

Card 1/2

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combined carbon, while with niobium the nitrogen content is somewhat less than that of combined carbon. If the consumptions of $CaCN_2$ or CaC_2 are diminished, the carbon takes part in the reduction at 1000°C in addition to the calcium with formation of CO; in the titanium carbonitride obtained using 50% of the $CaCN_2$ required for complete reduction by the Ca, the combined carbon content was only 0.6% by weight (1.5% atomic), the product approximating to nitride. With a diminished CaC_2-consumption the results were less satisfactory than with $CaCN_2$, probably owing to the lower stability of the carbide towards the water vapor and the CO formed; further work is needed on the use of reduced quantities of carbide. There are 2 figures and 5 tables.

SUBMITTED: August 3, 1962

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKETSOV, Nikolay Alekseyevich; NIKITIN, A.G., redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor.

[Maintenance and repair of the mechanism on GAZ-93 trucks] Tekhnicheskoe obsluzhivanie i remont pod"emnogo mekhanizma avtomobilei GAZ-93. Moskva, Nauchno-tekhn.izd-vo avtotransp.lit-ry, 1957. 64 p. (MIRA 10:4)

(Dumping appliances)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKEVICH, S. I.

"New Fatigue strength testing Machines," Investigation of the Fatigue Strength of Structural Steels, 120, p., Published by Mashgiz, 1949.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKEVICH, S.I.

"Bending of Circular Beams of Variable Height" - pp. 28-57

A paper contained in the symposium "A New Method of Investigation of Relaxation and Creep of Metals," edited by I.A. Oding, Mashgiz, 1949

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKEVICH, S.I.

"Cathetometer"--pp. 76-78

A paper contained in the symposium "A New Method of Investigation of Relaxation and Creep of Metals," edited by I.A. Oding, Mashgiz, 1949.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

L 39631-66 EWT(1) AT/WW/GD-2

ACC NR: AP6002878 SOURCE CODE: UR/0286/65/000/024/0038/0038

AUTHOR: Yakhats, M.S.; Kolomoyets, N.V.; Vedernikov, M.V.

ORG: none

TITLE: Solar heat generator. Class 24, no. 176967 [announced by the All-Union Scientific Research Institute of Current Sources (Vsesoyuznyy nauchno-issledovatel'skiy institut istochnikov toka]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 38

TOPIC TAGS: solar energy conversion, generator, solar power plant, thermocouple, commutator, space electronics, capacitor, heat energy conversion

ABSTRACT: 1. The solar heat generator, patented under the author's certificate No. 123378, is characterized by the fact that the thermoelements are made from Ni-Pd and Pd-Ag alloys and the commutation is effected by means of a threaded connection. The purpose of this is to improve the mechanical strength of the generator and to diminish its shakiness during operation in outer space. 2. The heat generator, described in paragraph 1, is characterized by the fact that the thermoelements are commutated in series of two in one capacitor with the aid of a split cone for the purpose of increasing the specific capacity.

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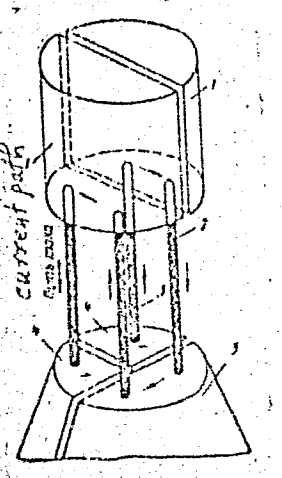
L 39631-66

ACC NR: AP6002878

3. The heat generator, described in paragraph 1, is characterized by the fact that the surface of the heat receiver is riffled for the purpose of increasing its absorptive power.

1. heat receiver
2. p-branch of the thermoelement
3. n-branch of the thermoelement
4. conical current shunts
5. conical cooler



SUB CODE: 10,13/ SUBM DATE: 30Dec64/

Card 2/2 MLP

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHENKO, Ye. S., i MAMUTOV, M.A.

22061 Yakhenko, Ye. S., i Mamutov, M.A. Pol' Flyuorografii v rannme Vyyavlenii legochnogo tuberkuleza u vzroslykh. Uchen Zapiski Nauch-issled. in-ta tuberkuleza v Odesse, Ch. 1, 1948, s 17-21.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKILEVICH, A-A.

CH

PROCESSES AND PROPERTIES INDEX

The nature of blisters on (welding) electrodes OMM-5 and their prevention. A. A. Yakhilevich. *Avtogennoe Delo* 1946, No. 8/9, 32-33.—The blisters on these welding electrodes are formed during drying of their coatings and are attributable to gas evolution. Two procedures of prepg. the coating were successful in preventing blisters. In one a 6.5% alk. soln. was added to the dry components, and the whole mixed and heated at 100° to a pasty consistency. Then the required amt. of a Na silicate soln. was added and the coating applied as usual. The other procedure differed only in that the mixt. contained less alk. soln. and that the dextrin was not added with the alk. soln. but separately in H_2O. M. Hosch

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

LIPETS, A.U.; LAKHMANLOS, A.I.; YAKHILEVICH, F.M.; VIKHOREV, N.P.; MAKAREVICH, I.Z., inzh.; NEYMAN, A.D., inzh.; PERSHIN, V.I., inzh.

Experience in redesigning the steam superheating control system of operational high-pressure boilers produced by the Ordzhonikidze Plant. Elek.sta. 32 no.6:72-78 Je '61. (MIRA 14:8)
(Boilers)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

TAGER, S.A., kand. tekhn. nauk; MOTIN, G.I., inzh.; YAKHILEVICH, F.M., inzh.

Simplified methodology for determining theoretical combustion temperatues. Teploenergetika 12 no.6:89-91 Je '65. (MIRA 18:9)

1. Energeticheskiy institut imeni Krzhizhanovskogo.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

L 43211-66 EWP(k)/EWP(e)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6026292 (N) SOURCE CODE: CZ/0012/66/000/003/0225/0234

AUTHOR: Jakes, D. --Yakesh, D.; Becvar, J. -- Bechvarzh, I.; Skvor, F. -- Shkvor, F.

ORG: Institute of Nuclear Research, Czechoslovak Academy of Sciences, Rez near Prague (Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved)

36B

TITLE: Sintering of UO_2 ceramics. Part 4. Sintering in the presence of some activators

SOURCE: Silikaty, no. 3, 1966, 225-234

TOPIC TAGS: uranium dioxide, sintering, ceramics

ABSTRACT: Oxides of aluminum, calcium, yttrium, molybdenum, and vanadium were studied as activators of uranium dioxide sintering. Uranium dioxide of medium activity (8—9 m^2/g) was activated by vanadium, yttrium, and aluminum. Calcium oxide showed no measurable effect and molybdenum affected the process unfavorably. The compactability of UO_2 was affected as well. The microsections of sintered pellets showed an adverse effect of molybdenum and of ~1.5 per cent Y_2O_3. Molybdenum oxide was reduced to metal and vanadium pentoxide to

Card 1/2

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L 45211-66

ACC NR: AP6026292

VO during the preparation process. Yttrium and calcium oxides influenced the shape of the sintering curve in the Taman temperature range. The use of the coprecipitation techniques gave satisfactory results. Orig. art. has: 8 figures and 3 tables. [Authors' abstract] [KS]

SUB CODE: 20/ SUBM DATE: 15Jun65/ ORIG REF: 005/ SOV REF: 002/ OTH REF: 020/

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, D.F.

AUTHOR: Makarov, L.O. and Yakhimovich, D.F. 46-1-18/20

TITLE: Notes on a patent (Ob odnom avtorskom Svidetelstve.)

PERIODICAL: "Akusticheskiy Zhurnal" (Journal of Acoustics), 1957, Vol. III, No. 1, pp. 91 - 92, (U.S.S.R.)

ABSTRACT: It is usually understood, with relation to the ultra-sound reinforcing systems, that the relevant apparatus has been first produced by W.P. Mason and R.F. Wick (1), for whom a U.S.A. patent No. 2573168, with priority from May 23, 1950, was granted.

Attention is drawn to the fact that there is an earlier patent for such a system, granted to Russian scientists, M.G. Iozinski and L.D. Rozenberg. ^ = 85193 with priority from 4th August, 1949 (4), which seems to be much more advanced as to the general theory and in its construction.

There are 4 references, of which one is Russian.

SUBMITTED: November 17, 1956.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

GRISHIN, Valerian Maksimovich, inzh.; GUTKIN, Ben'yamin Girshevich, kand. tekhn. nauk; LIVSHITS, Abram Lazarevich, kand. tekhn. nauk; YAKHIMOVICH, Dmitriy Fedorovich, inzh.; BRYANTSEVA, V.P., inzh., red.; SOROKINA, T.M., tekhn. red.

[Dimensional electric spark machining of metals]Razmernaia elektroerozionnaia obrabotka metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn.informatsii, 1958. 88 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No.M-58-6/1) (MIRA 16:2)

(Electric metal cutting)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, D.E., inzh.; TUCHKOVA, L.K., inzh., ved. red.; MARKOV, A.I., kand.tekhn.nauk, red.; SOROKINA, T.M., tekhn. red.

[Electrical methods of metal machining; abstracts]Elektricheskie sposoby obrabotki metallov; referativnyi sbornik. Moskva, Filial Vses. in-ta nauchn.i tekhn. informatsii, 1958. 11 p. (Peredovoi nau chno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No.M-58-460/11) (MIRA 16:3)

(Electric metal cutting—Abstracts)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, D.E.; BLITSHTEYN, N.I.; GLAZOV, G.I.

The 4770-type ultrasonic metal-cutting machine. Biul.tekh.-ekon. inform. no.1:33-34 '59. (MIRA 12:2)
(Ultrasonic waves--Industrial applications) (Metal cutting)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

SOV/122-59-2-17/34

AUTHORS: Rozenberg, L.D., Doctor of Technical Sciences and Yakhimovich, D.F., Engineer

TITLE: Ultrasonic Methods of Machining Hard and Brittle Materials (Ul'trazvukovoy sposob obrabotki tverdykh i khrupkikh materialov)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 2, pp 51-55 (USSR)

ABSTRACT: The main parameters for ultrasonic machining are discussed. The capacities and characteristics of three English, one German, two American and seven Soviet types of machine are tabulated (table 3). A medium power Soviet machine is illustrated in Fig 6. The cutting rate (mm^3/min) is tabulated, together with tool wear (as a percentage of amount of material removed from workpiece) and maximum area of cut (cm^2) for eleven materials ranging from glass to tungsten carbide and hardened tool steel (table 1). These were established on a 700 watt machine operating at 25,000 cps with amplitude 0.076 mm using cold-drawn steel tools 0.5" dia cutting to a depth of 0.5" with boron-carbide abrasive of

Card 1/4

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SOV/122-59-2-17/34

Ultrasonic Methods of Machining Hard and Brittle Materials

320 mesh. The relation of rate of cutting (mm/min) to pressure of feed (kg) for different diameter tools is shown in Fig 2. The accuracy of the cut depends primarily on the size of the abrasive particles and the stability of the tool and work holder. Cutting hard alloys accuracy can be as high as 0.005 mm, cutting ceramic 0.05 mm. Table 2 states accuracy of cut (microns) and rms value of surface roughness (microns) using particle sizes of abrasive varying from 120 to 1000 mesh. Machines are available from 0.05 to 2.4 kilowatt power and holes or apertures from 0.15 mm to 90 mm diameter can be machined. Cutting tools are usually made from .45 to .5 carbon steel, occasionally stainless steel. Boron carbide is found to be the most effective abrasive. Silicon carbide and corundum are cheaper and are frequently used for working glass and ceramic materials. Water is the best suspension medium for the abrasive, which is best held at 30% concentration (by volume) in suspension. Fig 3 shows depth cut versus concentration of abrasive in the suspension for (1) boron carbide of 100 mesh and (2) silicon carbide (220 mesh). Fig 4

Card 2/4

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Ultrasonic Methods of Machining Hard and Brittle Materials

illustrates rate of cutting (mm/min) versus viscosity of suspending vehicle (poises). Various particular machining operations on different materials which are appropriate to ultra-sonic methods are listed. Tungsten carbide dies for forming square of hexagonal bolt heads 8.96 mm by 4 mm deep can be machined in 22 to 27 minutes. The main improvements needed in ultrasonic machines relate to reliability, stability of tool and work piece and need for more simple means of setting and changing tools. Not infrequently two stage machining is adopted with a change of tool after making a preliminary roughing cut and using abrasive of different grain size. Various forms of magnetostrictive generators and intensifiers are described and half-wave, full wave and duplex intensifiers systems are illustrated in Fig 7. Hydraulic intensification is mentioned. Table 4 sets out a suggested range of five "universal" ultrasonic cutting machines which should cover the main requirements of industry. Types 1 and 3 in this table have been constructed as prototypes by OKB and ENIMS. The necessity

Card 3/4

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Ultrasonic Methods of Machining Hard and Brittle Materials

for further theoretical study of the action of ultrasonic machining in order to determine the proper direction for increased capacity and lower wear on tools is stressed. There are 7 figures and 4 tables.

Card 4/4

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

BLITSHTEYN, N.I.; GLAZOV, G.I.; YAKHIMOVICH, D.F. (Moskva)

New ultrasonic tool (model 4770). Akust.zhur. 5 no.1:117-118 '59. (MIRA 12:4)

(Ultrasonic waves--Industrial applications)
(Drilling and boring machinery)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, D. I.

PHASE I BOOK EXPLOITATION SOV/5291

Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov v mashinostroyenii. 2d, Moscow, 1956

Avtomatizatsiya mashinostroitel'nykh protsessov. t. III: Obrabotka rezaniyem i obshchiye voprosy avtomatizatsii (Automation of Machine-Building Processes. v. 3: Metal Cutting and General Automation Problems) Moscow, Izd-vo AN SSSR, 1960. 296 p. (Series: Its: Trudy, t. 3) 4,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: V. I. Dikushin, Academician; Ed. of Publishing House: V. A. Kotov; Tech. Ed.: I. P. Kuz'min.

PURPOSE: This collection of articles is intended for technical personnel concerned with the automation of the machine industry.

COVERAGE: This is Volume III of the transactions of the Second Conference on the Full Mechanization and Automation of Manufacturing Processes in the Machine Industry, held September 25-29, 1956. The transactions have been published in three volumes. Volume I deals with the hot pressworking of metals, and volume II, with the actuation and control of machines. The present volume deals with the automation of metal machining and work-hardening, and with general problems encountered in automation. The transactions on the automation of metal-machining processes were published under the supervision of F. S. Dem'yanok and A. M. Karatygin, and those on the automation of work hardening processes, under the supervision of E. A. Satel' and M. O. Yakobson. No personalities are mentioned. There are no references.

Erpsher, Yu. B. On the Operation of the Tools in Automatic Production Lines 32

Lyudmirskiy, D. G. Experience of the SKB-6 [Special Design Office No. 6] in Designing and Mastering Automatic Production-Line Operations 43

Yegorov, B. V. Automation of Universal Metal-Cutting Machines for Mass Production 53

Neklyudov, G. I. Automatic Machining of Parts Used in Watchmaking 62

Automation of Machine-Building Processes (Cont.) SOV/5291

Yakobson, M. O. Automated Production of Gears and Splined Shafts 66

Koshkin, L. N. Automation of Manufacturing Processes Based on Rotary Transfer Machines 82

Ryvkin, G. M. Metal-Cutting Tools for Automated Production 98

Derbisher, A. V. Automation of Manufacturing Processes at the 1 GPZ [1st State Bearing Plant] 111

Sokolov, Ye. F. Experience in the Operation of Semiautomatic Hydraulic Copying Machines 124

Vasil'yev, V. S. Automatic Balancing Machines 129

Kuritsyna, A. D. New Advanced Processes for the Mass Production of Sliding Bearings 141

Card 4/7

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

Fil'kin, V. P. Securing Stability in Motion of Parts During Centerless Grinding 148

Zolotykh, B. N. Present State of and Prospects for Electro-spark Machining of Metals and Methods for Its Automation 156

Rozenberg, L. D., and D. P. Yakhimovich. Use of Ultrasonics for Machining Hard and Brittle Materials 164

Zheleznov, Ye. S. Automation of the Process for Grinding Bearing Rings 173

Dashchenko, A. I. Investigating the Process Parameters of Small Semiautomatic Unit-Head Machine Tools 186

PART II. AUTOMATION OF SURFACE-HARDENING PROCESSES

Chirikov, V. T. Controlling the Carburizing Process 203

Nikol'skiy, A. P. Units for Quenching and Tempering by High-Frequency Heating in Automatic Production Lines 211

Larkin, F. R. Automatic Unit for the Shot Peening of Leaf Springs 217

Grigulis, Yu. K. Automating the Thickness Control of Surface Films 222

PART III. GENERAL PROBLEMS IN AUTOMATION

Blagonravov, A. A. [Academician]. Objectives of Automating the Processes in Machine Building 229

Dikushin, V. I. [Academician]. Problem of Automation in Machine Building 231

Kulebakin, V. S. [Academician]. On Methods of Improving Automatic Systems 246

Klimenko, K. I. Economic Effectiveness of Automation and Methods of Determining It 272

Yemel'yanov, A. D. Basic Principles of Determining the Economic Effectiveness in the Automation of Production 277

Ioannesyants, M. Ya. Investment per Unit of [Rated] Horsepower in the Automobile Industry 285

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

89814

S/193/60/000/006/003/015
A004/A001

17100

AUTHOR: Yakhimovich, D.F.

TITLE: The Semi-Automatic Ultrasonic MB-11 (ME-11) Device

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 6, pp. 17 - 19

TEXT: A team of the Osobye konstruktorskye byuro (Special Design Office) of the Mechanical Engineering Administration of the Mosgorsovnarkhoz has designed and brought out in 1959 a semi-automatic ultrasonic device - scientific consultation was given by the Akusticheskiy institut AN SSSR (Acoustics Institute of the Academy of Sciences USSR) - intended for the cutting-out of germanium and silicon disks for junction transistors and semi-conductor power diodes. The device can also produce small square blanks of semi-conductor plates. Cutting is effected with a tool which is oscillating in direction of the feed with ultrasonic frequencies. A liquid containing an abrasive powder is fed into the cutting zone. The cutting tool is a hollow cap-shaped instrument. The device is of the table-type (see illustration). A cast rigid base carries the table and the carriage. A

Card 1/3

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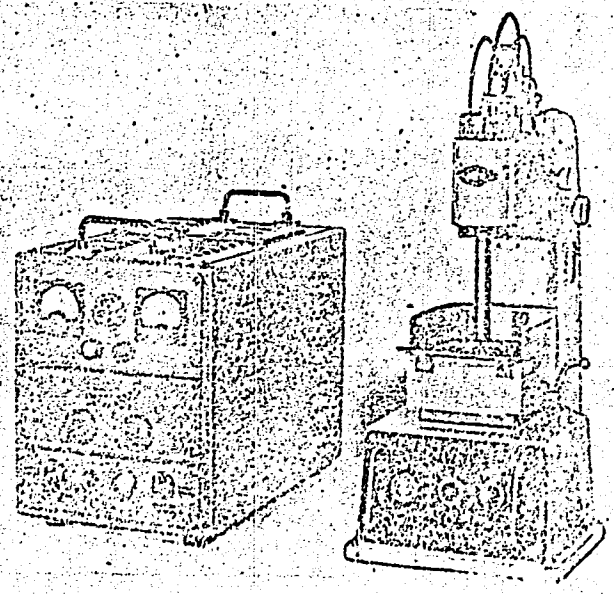
The Semi-Automatic Ultrasonic МЭ-11 (ME-11) Device



magnetic plate is incorporated in the table for the quick clamping of blanks. The chute around the table has been devised for the flowing off and collecting of the abrasive suspension. The table swivels through 90°. The carriage ensures the feed and setting travel of the device head with the tool. The mechanical carriage travel and the required feed strain is effected by an asynchronous servo-motor. Owing to the carriage design, the feed mechanism possesses a high sensitivity and is carefully protected from any sort of contamination. A pickup is incorporated in the carriage, changing the feed and ensuring an operation of the device

Card 2/3

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The Semi-Automatic Ultrasonic МЭ-11 (ME-11) Device

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according to the following automatic cycle: tool approach at low speed, infeed, cutting at normal feed stress, reduction of feed stress at the output, calibration, retracting the tool into the initial position. A head is fastened on the carriage slide which produces tool oscillations of high frequencies. A magnetostrictive vibrator with water-cooling is used. The author presents the following technical data: diameters of disks being cut out - 6 - 50 mm; thickness of disks being cut out - 0.2 - 1.0 mm; table area - 60 x 60 mm; vertical head setting travel - 80 mm; feed stress - up to 2 kg; sensitivity of feed mechanism - 30 - 50 g; resonance frequency - 18.3 kcps; generator power - up to 0.25 kw; overall dimensions (length x width x height) - 460 x 315 x 625 mm; weight - 150 kg. There is 1 figure.

Card 3/3

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23429

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S/121/61/000/006/003/012
D040/D112

AUTHOR: Yakhimovich D.F.

TITLE: Universal ultrasonic "4770" broaching machine

PERIODICAL: Stanki i instrument, no.6, 1961, 11-13

TEXT: This ultrasonic machine of 0.25 kw capacity is the smallest of a series of ultrasonic machines developed at the OKB of the MOSGORSOVNARKHOZ with consultation from the Akusticheskiy institut AN SSSR (Acoustics Institute AS USSR). It is designed for working hard and brittle materials such as glass, ceramics, ferrites, quartz, semiconductor materials, hard alloys, etc. The cutting tool vibrates at an ultrasonic frequency in the feed direction and abrasive suspension is fed under its end. The kinematic system is shown (Fig.2), where 1 is the machine frame bearing the table (2), carriage (3) and control panel. The ultrasonic head (5) is on the carriage slide (4). This arrangement reduces the tool throat and prevents corrosion of the feed system parts. The table has dovetail guides and coordinates for setting in the horizontal plane; lead screws are fitted with dials graduated in 0.02 mm divisions. Abrasive suspension flows down along grooves into a collecting groove around the table. Removable shields protect the operator from splash. The acoustic head (Fig.3) has a nickel magnetostrictive two-rod

Card 1/6

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D040/D112

Universal ultrasonic "4770" broaching machine

vibrator. A flange (2) is attached by silver solder to the core (1). A replaceable concentrator (3) is screwed into the flange. It can be mechanically connected to the tool or made an integral part of the tool. The winding on the core rods produces both excitation and magnetization. A thin-wall shell (5) connected with the outer shell (6) encompasses the vibrator; this makes it possible to cut down the size of the acoustic head and employ a short half-wave concentrator. The shells (5) and (6) form a space that is filled with running water for cooling. An air pocket keeps water away from the top end. The vibration system is turned by a worm engaging with a thread on the outside of the shell (6) and the turn angle is indicated on a dial on the top. The shell is clamped in the casing by a clamp (7). The casing has a dovetail groove for moving on the slide. The slide (4) (Fig.2) is moved on its ball guides manually through a rack transmission (z_1-z_2), or mechanically from a controllable two-phase induction motor (6) through a reduction gear (z_3-z_4) and rack transmission. The motor is braked and its torque determines the tool feed force. Operation of the motor is facilitated by a counterweight (7) balancing the slide together with the acoustic head. The counterweight is suspended from a tape (8) wound on the drum (9) on the manual feed shaft. An oil damper is provided for smooth running of the slide. The damper cylinder (10) is attached to the carriage, and the rod to the slide. Speed is

Card 2/6

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Universal ultrasonic "4770" broaching machine

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controlled by a needle closing the duct in the rod; back run of the piston is speeded up by a return valve. Abrasive suspension is pumped into the cutting space by a centrifugal pump. The small machine weighs 155 kg, works bores (in the case of a solid tool) 0.5-10 mm in diameter; the maximum cutting depth is 2-5 bore diameters. The accuracy and productivity of the machine are 2-3 times higher than in existing machines of a comparable size. It cuts glass at a rate of 250-300 mm^3/min, or T15K6 (T15K6) alloy at up to 8 mm^3/min. There are 8 figures and 3 Soviet references.

Card 3/6

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, D.

Session of the Committee of Ultrasonics of the State Scientific Technical Committee of the Council of Ministers of the U.S.S.R. Akust.zhur. 7 no.2:269 '61. (MIRA 14:7)
(Ultrasonic waves—Industrial applications)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, D.F.

The 4770 universal ultrasonic broaching machine. Stan.i instr. 32 no.6:11-13 Je '61. (MIRA 14:6)

(Broaching machines)
(Ultrasonic waves--Industrial applications)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, D.F.

PHASE I BOOK EXPLOITATION SOV/6312

Rozenberg, L. D., V. F. Kazantsev, L. O. Makarov, and D. F. Yakhimovich

Ul'trazvukovoye rezaniye (Ultrasonic Machining) Moscow, Izd-vo AN SSSR, 1962. 251 p. Errata slip inserted. 5000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Akusticheskiy institut.

Resp. Eds.: V. I. Dikushin, Academician, and L. D. Rozenberg, Doctor of Technical Sciences; Ed. of Publishing House: L. V. Gessen; Tech. Ed.: A. P. Guseva.

PURPOSE: This book is intended for scientific workers, design and process engineers, and for aspirants working in the field of ultrasonic machining.

COVERAGE: Although the book is mostly based on results of investigations conducted by the authors in the ultrasonic laboratory of the Acoustics Institute, Academy of Sciences USSR, and

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in the Special Design Bureau of Mosgorsovnarkhoz, an attempt is made to review, generalize, and sum up all available information, both Soviet and non-Soviet, on different aspects of ultrasonic machining. No personalities are mentioned. References accompany each chapter.

TABLE OF CONTENTS:

Foreword 3

Introduction 5

Bibliography 8

Ch. I. Basic Information on Mechanical Vibrations and Waves 10
1. Vibrations in the simplest system 10
2. Propagation of elastic waves in liquids and gases 20
3. Propagation of elastic waves in solids 25

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L 3548-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(h)/EWA(c)
ACCESSION NR: AP5024431 JD/HW/JT UR/0286/65/000/015/0141/0141
621.9.018

33
B

AUTHORS: Zhivitskiy, A. S.; Yakhimovich, D. F.

TITLE: A device for cutting with ultrasound. Class 49, No. 173593

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 141

TOPIC TAGS: ultrasound, metal cutting, ultrasonic grinding

ABSTRACT: This Author Certificate presents a device for ultrasound cutting, similar to the one described by Author Certificate No. 157204. To prevent the deformation of fastening elements of the rocking systems, the acoustical heads are mounted on separate axles perpendicular to the plane of metallic bands in such a position as to allow free rocking in this plane (see Fig. 1 on the Enclosure). Orig. art. has: 1 figure.

ASSOCIATION: Osoboye konstruktorskoye byuro po proyektirovaniyu sredstv avtomatizatsii i kontrolya i elektroerozionnogo oborudovaniya goskomiteta po mashinostroyeniyu (Special Construction Bureau for Designing the Means of Automation, Inspection, and Electric Grinding Equipment at the Goskomitet for Machine Construction)

Card 1/3

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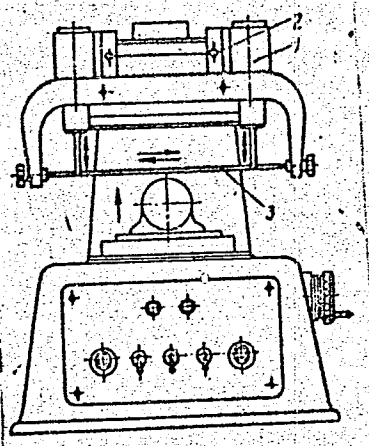

Fig. 1. 1- acoustical heads; 2- axles; 3- metallic band

Card 3/3

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L 4995-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(1)/EWA(h) JD

ACC NR: AP5025758 SOURCE CODE: UR/0286/65/000/018/0121/0121

AUTHORS: Orlov, I. F.; Rozenberg, L. D.; Yakhimovich, D. F.

ORG: none

34
23

TITLE: An ultrasonic vibrator. Class 49, No. 174936

10

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 121

TOPIC TAGS: ultrasonic equipment, ultrasonics

14

ABSTRACT: This Author Certificate presents an ultrasonic vibrator based on the one of Author Certificate No. 150346, and designed to increase the effectiveness of the ultrasonic treatment process. A concentrator on the side of the converter fastener is made in a row of sections cut in the axial direction. The number of sections corresponds to the number of convert[illegible], or, in the case of using a multiple-rod converter, to the number of rods [illegible] converter.

SUB CODE: IE/ SUBM DATE: 13Jul62

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Card 1/1 UDC: 621.9.018.6

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L 9445-66 EWT(m)/EWP(k)/EWP(b)/T/ EWP(t)/EWP(w) JD

ACC NR: AP5026561 SOURCE CODE: UR/0286/65/000/019/0120/0120

INVENTOR: Gryaznov, Ye. M.; Podlazov, S. S.; Chechina, L. G.; Yakhimovich, D. F. 38
44,55 44,55 44,55 44,55 B

ORG: none

TITLE: Device for ultrasonic machining. Class 49, No. 175376
44,55 14

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 120

TOPIC TAGS: machining, ultrasonic machining, ultrasonic tool

ABSTRACT: This Author Certificate introduces a tool for ultrasonic machining of holes in hard- and brittle-material parts. To reduce heating of the tool, its front and rear parts are made of wear-resistant material, such as steel, while the middle part is made of material with high heat conductivity, such as brass. Orig. art. has: 1 figure. [ND]

SUB CODE: 06, 09/ SUBM DATE: 17Jul62/ ATD PRESS: 4155

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Card 1/1 UDC: 621.9.048.6.022

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

L 07352-67 EWT(d)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c) JD

ACC NR: AP6012171 SOURCE CODE: UR/0413/66/000/007/0100/0100

AUTHORS: Yakhimovich, D. F.; Chechina, L. G.; Zhivitskiy, A. S.; Gryaznov, Ye. M.

32

ORG: none

14

TITLE: An instrument for cutting several objects from hard and brittle materials. Class 49, No. 180474

18

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 100

TOPIC TAGS: ultrasound, ultrasonic machining, ultrasonic equipment

ABSTRACT: This Author Certificate presents an instrument for cutting several objects from hard and brittle materials. The instrument is made in the form of a concentrator with a separating plate attached to it. The plate carries a number of cutting blades (see Fig. 1). To preserve an identical amplitude of oscillations for all the blades, openings or slits are produced over the entire face of the blade group and over the whole transverse section of the concentrator. The depth of openings or of slits reaches to the translocation plane of nodes of the longitudinal oscillations. The external contours of the intermediate plate and

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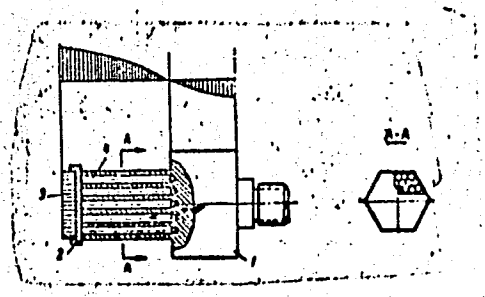
L 07352-67

ACC NR: AP6012171

Fig. 1. 1 - waveguide; 2 - plate;
3 - assembly of cutting blades;
4 - openings or slits



of the outflow stage of the concentrator correspond to the external contour of the cutting blades assembly. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 31Jan64

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

PHASE I BOOK EXPLOITATION SOV/4718

Sovremennoye sostoyaniye i napravleniya razvitiya tekhnologii mashinostroyeniya i priborostroyeniya (Present State of the Manufacturing Processes in the Machine and Instrument Industries and Trends for Development) Moscow, Mashgiz, 1960. 563 p. 5,000 copies printed.

Ed.: Anatoliy Nikolayevich Gavrilov, Doctor of Technical Sciences, Professor; Managing Ed. for Literature on Machine Building and Instrument Construction (Mashgiz): N.V. Pokrovskiy, Engineer; Ed. of Publishing House: G.F. Kochetova, Engineer; Tech. Eds.: V.D. Kl'kind and A.Ya. Tikhanov.

PURPOSE: This book is intended for technical and scientific personnel in the machine and instrument industries and for students and teachers of schools of higher education.

COVERAGE: The book deals with current theory and practice in the manufacturing processes of the machine and instrument industries and includes discussions on trends for development. The physical nature of the processes and their technical-economic features and possibilities are considered. Particular attention is given to new and progressive processing (supersonic machining, electric machining, cold presswerking, precision casting, precision pressing, new methods of welding, etc.). The book consists of papers presented at the All-Union

Card 1/11

Scientific-Industrial Conference on "Advanced Machine and Instrument Manufacturing Processes," held in 1958. The papers have been revised in the light of recent developments in the field. A chapter is devoted to the automation and mechanization of the industry. Soviet and non-Soviet references accompany some of the chapters.

TABLE OF CONTENTS:

Foreword 3

Introduction [A.N. Gavrilov, Doctor of Technical Sciences, Professor] 5

PART I. THEORY AND PRACTICE IN MANUFACTURING PROCESSES OF THE MACHINE AND INSTRUMENT INDUSTRIES 13

Ch. I. The Elements of Typification of Manufacturing Processes in Machine Building. [F.S. Dem'yanyuk, Doctor of Technical Sciences, Professor] 13

1. Problems connected with the typification of manufacturing processes 14
2. Basic principles of classification of parts and typification of their manufacturing processes

Card 2/11

Ch. 239
…spark 241
1. …of metal, 248
2. P… 250
3. Fi… …Method, and Trends for
4. Equ… …echnical Sciences, Professor,
5. Basi… …of the supersonic machining method
ment …ping and designing supersonic machining equip- 260
261
265
268
276

Card 6/11

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

Ch. IX. The [Present] State of Electric Machining Methods in the Machine and Instrument Industries, and Trends for Development [B.N. Zolotykh, Candidate of Technical Sciences] 239
1. Technical-economic characteristics of electrospark (electro-erosion) machining methods 239
2. The physical bases of electrospark machining 241
3. The relationship between the process characteristics of electrospark machining and the pulse parameters 248
4. The [present] state of electrospark precision-machining of metal, and trends for development 250

Ch. X. The Present State of the Supersonic-Cutting Method, and Trends for Development [L.D. Rozenberg, Doctor of Technical Sciences, Professor, and D.Ya. Yakhimovich, Engineer] 260
1. The essentials and physical bases of the supersonic machining method 260
2. Process parameters 261
3. Field of application 265
4. Equipment 268
5. Basic ways for developing and designing supersonic machining equipment 276

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

PHASE I BOOK EXPLOITATION SOV/4718

Sovremennoye sostoyaniye i napravleniya razvitiya tekhnologii mashinostroyeniya i priborostroyeniya (Present State of the Manufacturing Processes in the Machine and Instrument Industries and Trends for Development) Moscow, Mashgiz, 1960. 563 p. 5,000 copies printed.

Ed.: Anatoliy Nikolayevich Gavrilov, Doctor of Technical Sciences, Professor; Managing Ed. for Literature on Machine Building and Instrument Construction (Mashgiz): N.V. Pokrovskiy, Engineer; Ed. of Publishing House: G.F. Kochetova, Engineer; Tech. Eds.: V.D. Kl'ind and A.Ya. Tikhanov.

PURPOSE: This book is intended for technical and scientific personnel in the machine and instrument industries and for students and teachers of schools of higher education.

COVERAGE: The book deals with current theory and practice in the manufacturing processes of the machine and instrument industries and includes discussions on trends for development. The physical nature of the processes and their technical-economic features and possibilities are considered. Particular attention is given to new and progressive processing (supersonic machining, electric machining, cold pressworking, precision casting, precision pressing, new methods of welding, etc.). The book consists of papers presented at the All-Union

Card 1/11

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TABLE OF CONTENTS:

Foreword 3

Introduction [A.N. Gavrilov, Doctor of Technical Sciences, Professor] 5

PART I. THEORY AND PRACTICE IN MANUFACTURING PROCESSES OF THE MACHINE AND INSTRUMENT INDUSTRIES

Ch. I. The Elements of Typification of Manufacturing Processes in Machine Building [F.S. Dem'yanyuk, Doctor of Technical Sciences, Professor] 13
1. Problems connected with the typification of manufacturing processes 13
2. Basic principles of classification of parts and typification of their manufacturing processes 14

Card 2/11

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, L.A.

SHUMAKOV, Ye.M.; VINOGRADOVA, N.M.; YAKHIMOVICH, L.A.

Dynamics of the accumulation and consumption of fat reserves in the Eurygaster integriceps. Zool.zhur.33 no.1:87-101 Ja-F '54. (MLRA 7:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity rasteniy, Leningrad. (Eurygasters)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

USSR/ Biology - Plant physiology

Card 1/1 Pub. 22 - 51/52

Authors : Shumakov, Ye. M., and Yakhimovich, L. A.

Title : Morphological and histological metamorphotic characteristics of a cotton bug (cutworm moth) in connection with the appearance of diapause

Periodical : Dok. AN SSSR 101/4, 779-782, Apr 1, 1955

Abstract : The external changes (metamorphosis) of a cutworm moth cocoon were investigated to determine the histological and morphological changes during various stages of its germination and growth. Results obtained are listed. Six references: 4 Russian and Soviet, 1 English and 1 Italian (1911-1954). Drawing.

Institution : The V. I. Lenin All-Union Agricultural Acad., Inst. for the Protection of Plants

Presented by: Academician Ye. N. Pavlovskiy, December 25, 1954

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, L.A.; LYUSTERNAK, I.L.

Effect of high temperature on the nature of the reproduction of the migratory locust (Locusta migratoria L.). Dokl. AN SSSR 162 no.6:1408-1411 Je '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zashchity rasteniy. Submitted September 12, 1964.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, L.P.

Analysis of causes of postoperative mortality in toxic goiter. Khirurgiia, no.11:15-20 N '55. (MLRA 9:6)

1. Iz 2-y khirurgicheskoy kliniki (zav.-dotsent N.I. Makhov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirskogo (dir.-P.M. Leonenko)

(GOITER, surg.
postop. mortal., causes)
(POSTOPERATIVE CARE, in various dis.
goiter, postop, mortal., causes)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

80721

S/032/60/026/05/20/063
B010/B005

5.5310

AUTHORS: Gavrilov, F. F., Fedorovskaya, M. I., Yakhimovich, N. K.

TITLE: Determination of Hafnium in Zirconium by the Spectral Method

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 5, pp. 563-56

TEXT: The spectral methods for the determination of hafnium in zirconium described in publications (Table, data of three publications) have a maximum sensitivity of 0.002%. The authors of this paper describe a spectral method permitting determinations in a range from $4 \cdot 10^{-4}$ to $4 \cdot 10^{-2}$% of Hf. Calibration samples were prepared of spectrometrically pure zirconium oxide (with a maximum of $2 \cdot 10^{-4}$% of Hf) and of hafnium oxide made of chemically pure hafnium chloride (with 0.136% of Zr). Six calibration samples of the following composition were obtained: 0.04, 0.013, 0.005, 0.002, 0.0008, and 0.0004% of Hf. An ISP-22 spectrograph was used, and the spectrum was excited with an a.c. arc (5 a). Carbon bars of the Kudinovskiy zavod (Kudinovskiy Works) were

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

Determination of Hafnium in Zirconium by the Spectral Method

S/032/60/026/05/20/063
B010/B005

used as electrodes. The analytical line pairs Zr II 2568, 873 A, and Hf II 2641, 406 A were applied. The calibration diagram obtained is shown. Analyses of the calibration samples with 0.0008% of Hf showed that the hafnium concentration which can be determined by the method described lies in the range between 0.0011 and 0.0007%. There are 1 figure, 1 table, and 4 references, 3 of which are Soviet.

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

S/081/62/000/001/017/067
B156/B101

AUTHORS: Gavrilov, F. F., Fedorovskaya, M. I., Yakhimovich, N. K.

TITLE: Spectrographic determination of hafnium in zirconium

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 144, abstract 1D76 (Tr. Ural'skogo politekhn. in-ta, sb. 114, 1961, 161-164)

TEXT: The determination of HF in Zr between $4 \cdot 10^{-4}$ and $4 \cdot 10^{-2}$% is described. The samples and standards are mixed in the proportion of 1:1 with carbon, and placed in an aperture 3.8 mm in diameter and 2 mm deep in a carbon electrode. The upper electrode is ground flat. Spectra are excited in a 5 a a.c. arc, with an arc gap of 2 mm. Spectra are photographed with a 5 min exposure and at intervals of 30 sec in an ИСП-22 (ISP-22) average focus spectrograph with a 30μ wide slot. The analysis line pair is Zr 2568.8 - Hf 2641.4 Å. Analysis error is ± 5%. The standards are made from pure oxides by dissolving them in a mixture of HF and H_2SO_4 in

Card 1/2

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Spectrographic determination of ... S/081/62/000/001/017/067
B156/B101

platinum pans. The solutions are evaporated and calcined for 2 hrs at 900°C. The Hf content of the initial product was determined by the addition method. [Abstracter's note: Complete translation.]

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, N.N.

Remains of a large antelope from upper Pliocene deposits of the Southern Urals. Paleont.zhur. no.3:142-145 '59.
(MIRA 13:4)

1. Bashkirskiy filial Akademii nauk SSSR.
(Mayachnyy region--Antelopes, Fossil)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, N.N.

Find of Parelephas trogontherii (Phol.) remains by the Sukhaylya River. Vop. geol. vost. okr. Rus. platf. i IUzh. Urala no.5:133-138 '60. (MIRA 14:5)

(Bashkiria--Elephants, Fossil)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

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18.1153 only 2308

84216
S/078/60/005/010/011/021
B004/B067

AUTHORS: Yeremenko, V. N., Tret'yachenko, L. A., Yakhimovich, R. I.

TITLE: Melting-point Diagram of the System Tantalum - Vanadium

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 10, pp. 2290-2293

TEXT: The authors studied the structure and properties of tantalum - vanadium alloys to determine the phase diagram of this system. The two components were fused in an arc furnace in argon atmosphere at 300 - 400 torr. The alloys were homogenized by remelting them 6 to 7 times, viz., alloys of up to 50 atom% Ta at 1600°C, and of more than 50 atom% Ta at 1800°C. They were homogenized in vacuum of at least 1.10^{-4} torr in an МВП-3М (MVP-ZM) high-frequency furnace. The microstructure of the alloys (Fig. 1) showed that in the system Ta - V a continuous series of solid solutions is formed, which was confirmed by X-ray examinations. All alloys had a body-centered lattice whose parameter steadily increased from 3.02 kX (pure vanadium) to 3.29 kX (pure tantalum) (Fig. 2). Microhardness

Card 1/2

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Melting-point Diagram of the System Tantalum - Vanadium

84216
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B004/B067

was determined by means of a ПМТ-3 (PMT-3) apparatus (Fig. 3). It varied according to the rule formulated by Kurnakov-Zhemchuzhnyy for continuous series of solid metal solutions. The solidus line (Fig. 4) was determined by heating the samples fastened between electrodes with a current passing through them. In the circuit, an ОСУ-20 (OSU-20) transformer and a ТНН-130 (TNN-130) buncher were used. The temperature was measured with an ОП-48 (OP-48) pyrometer. As is shown by Fig. 4, the temperature at the beginning of the melting process rises steadily from 1800°C (pure vanadium) to 2950°C (pure tantalum). At lower temperatures (1000 - 1400°C), the formation of a small amount of a new phase was observed, which is further investigated. There are 4 figures and 3 references: 2 Soviet and 1 US.

SUBMITTED: July 27, 1959

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

KVITKOVSKIY, L.N.; KUFRIYANOVA, L.A.; MUSIYENKO, V.P.; YAKHIMOVICH, R.I.

Determination of the activity of silica gels. Ukr.khim.zhur. 29 no.3: 284-287 '63. (MIRA 16:4)

1. Institut khimii polimerov i monomerov AN UkrSSR.
(Silica) (Adsorption)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

25(1),25(2)

SOV/119-59-9-8/19

AUTHORS: Boyechko, B. Yu., Engineer, Yakhimovich, V. A., Engineer

TITLE: Orienting Devices for Plane Workpieces of Complicated Configuration

PERIODICAL: Priborostroyeniye, 1959, Nr 9, pp 18-20 (USSR)

ABSTRACT: The most important and at the same time most complicated function of apparatus for the loading of bunkers is the generally automatic orientation. Therefore this function must be given special consideration when solving problems concerning automatic loading with piece goods. The difficulties encountered in the orientation process depend mainly on the complexity of the workpiece to be oriented. Automatic orientation is effected while shifting the workpieces relative to the orienting planes of the device. Thus devices demanding no separate mechanism for the shifting of workpieces will be most suitable. This is the case with, e.g., vibrating devices for the loading of bunkers. As far as the authors know research on a wide basis in this direction is being carried out only at the Vsesoyuznyy nauchno-issledovatel'skiy institut priborostroyeniya (All-Union Scientific Research Institute for Instrument Manufacturing).

Card 1/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

Orienting Devices for Plane Workpieces of Complicated Configuration

SOV/119-59-9-8/19

The present paper gives a description and general considerations on the construction of the devices mentioned in the title. The first part deals with an orienting device for a number of plane workpieces, whose limiting contours represent triangles with sides of different length. The orienting device for this kind of workpiece consists of a V-shaped synclinal tray with a generating angle of 60 - 90°. This device consists of 2 stages. The first stage of it selects and transmits workpieces of a certain group. The details within this group are finally oriented in the second stage of this device. The motion of the details on the tray is a forced one, and is caused by the directed vibration of the bunker shell. An orienting device of the type described was tested for a wide range of pitch angles of the tray (from -10 to +5°) and for amplitudes from 0.2 - 0.8 mm. Performance of the device was precise and reliable. The second part of the paper deals with an orienting device for certain plane workpieces having a bevel edge on one side.

Card 2/3

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Orienting Devices for Plane Workpieces of Complicated Configuration

SOV/119-59-9-8/19

V-shaped devices are suitable for these workpieces also. The first stage of this device is similar to the one described in the above device. The second stage utilizes this bevel edge. The simplicity of such devices speaks for the intentional production of workpieces of complicated shape, having "technological" bevel edges in order to simplify automatic orientation and supply. All these devices described here are similarly suited for bunkers with helical and plane trays. There are 4 figures.

Card 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

BOYECHKO, B.Yu.; RABINOVICH, A.N.; YAKHIMOVICH, V.A.

Vibratory bins for automatic loading of parts in the manufacture of instruments. Priborostroenie no.8;20-21 Ag '60. (MIRA 13:9)
(Vibrators) (Feed mechanisms)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

S/196/62/000/014/045/046
E194/E155

AUTHORS: Rabinovich, A.N., and Yakhimovich, V.A.

TITLE: Design of an electro-magnetic drive for vibration feeders

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.14, 1962, 4, abstract 14 K 19. (Dokl. L'vovsk. politekhn. in-ta, v.5, no.1, 1961, Mekhanika, 94-99).

TEXT: Electro-magnetic vibrators usually have a stationary core of E-shape and an armature reciprocated by a.c. magnet coils. In designing the vibrator the force on the magnet armature is calculated from the acceleration of the moving system and its mass. However, the elastic recovery forces of the spring and the actual energy loss in the oscillatory system are usually disregarded. A mechanical design procedure is given to determine the power required by the vibrating system allowing for the frequency and amplitude of oscillation and the energy dissipation factor; certain empirical auxiliary coefficients are given.
3 references.

Card 1/1 [Abstractor's note: Complete translation.]

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.A., inzh.

Elements of orientation devices in vibratory feed bunkers. Mashinostroenie no.1:94-96 Ja-F '62. (MIRA 15:2)

1. L'vovskiy politekhnicheskiy institut.
(Feed mechanisms)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.A.

Combined systems of vibratory feed mechanisms. Priborostroenie no.2:21-22 F '63. (MIRA 16:5)

(Feed mechanisms)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.A.

Automatic orientation of parts in solenoid coils. Stan. i instr. 34 no.11:15-19 N '63. (MIRA 16:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.A.

Orienting device. Mashinostroitel' no.5:21 My '65. (MIRA 18:5)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

RABINOVICH, Avram Nakhimovich, doktor tekhn. nauk; YAKHIMOVICH, Vladimir Aleksandrovich, inzh.; BOYECHKO, Bogdan Yulianovich, kand. tekhn. nauk. Prinimali uchastiye: KOBYLYUKH, B.F.; GAVRILYUK, V.I.; KAMYSHNYY, N.I., doktor tekhn. nauk, retsenzent; CHERNIS, N.Kh., inzh., retsenzent

[Automatic vibratory feed mechanisms] Avtomaticheskie zagruzochnye ustroistva vibratsionnogo tipa. Kiev, Tekhnika, 1965. 379 p. (MIRA 18:3)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L.

Structure of the cis-Ural depression in connection with the study of Mesozoic and Cenozoic sediments. Vop. geomorf. i geol. Bashk. no.1: 55-64 '57. (MIRA 11:4)

(Ural Mountain region--Geology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, Varvara L'vovna; OLLI, A.I., prof., doktor geol.-mineral. nauk, otv.red.; POROYKOV, Yu.D., red.; KOBYAKOV, I.A., tekhn.red.

[Cenozois in the Bashkir portion of the cis-Ural region] Kainozoi Bashkirskogo Predural'ia. Ufa, Izd-vo Akad.nauk SSSR. Gorno-geol. in-t. Vol.2, pt.1. [Quaternary sediments in lower terraces of rivers in the Bashkir portion of the cis-Ural region; stratigraphy] Chetvertichnye otlozheniia nizkikh terras rek Bashkirskogo Predural'ia; stratigrafiia. 1958. 171 p.

(MIRA 14:1)

1. Direktor Gorno-geologicheskogo instituta Bashkirskogo filiala AN SSSR (for Olli).

(Ural Mountain region--Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L.; OLLI, A.I., prof., doktor geol.-mineral.nauk, otv.red.; SUDARKINA, K.I., red.; GAL'CHENKO, S.I., tekhn.red.

[Cenozoic period of the cisural region of Bashkiria] Kainozoi Bashkirskogo Predural'ia. [Historical studies of Tertiary deposits of the cisural region of the Bashkiria] Istoriia izucheniia tretichnykh otlozhenii Bashkirskogo Predural'ia. Vo.1, pt.1. 1958. 134 p. (MIRA 11:12)

(Bashkiria--Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, Varvara L'vovna; OLLI, A.I., prof., doktor geologo-mineralog. nauk, otv.red.; POROYKOV, Yu.D., red.; KALAGANOV, I.S., tekhn.red.

[Cenozoic in the Bashkirian portion of the cis-Ural region] Kainozoi Bashkirskogo Predural'ia. Ufa, Akad.nauk SSSR. Vol.1, pt.2. [Stratigraphy of Tertiary sediments in the Bashkirian portion of the cis-Ural region and tehir distribution in connection with recent crustal movements] Stratigrafiia tretichnykh otlozhenii Bashkirskogo Predural'ia i zakonomernosti ikh razmeshcheniia v sviazi s molodymi dvizheniiami zemnoi kory. 1958. 175 p. (MIRA 12:12)

(Bashkiria--Geology)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L.

Tertiary sediments in western Bashkiria; outline of stratigraphy. Vop. geol.vost.okr.Rus.platf. i IUzh. Urala no.1:45-53 '58. (MIRA 12:4)

(Bashkiria--Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L.

Characteristics of the distribution of Quaternary sediments in western Bashkiria. Vop.geol.vost.okr.Rus.platf. i IUzh. Urala no.1:54-60 '58. (MIRA 12:4)
(Bashkiria--Geology, Stratifraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L.

Stratigraphy of Quaternary sediments in the northern Caspian Sea region. Vop.geol.vost.okr.Rus.platf. i IUzh. Urala no.1:61-97 '58. (MIRA 12:4)

(Caspian Sea region--Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V. L., Doc Geolog-Mineralog Sci (diss) -- "Cenozoic deposits of the Bashkirian Cis-Urals". Leningrad, 1959. 38 pp (VSEGEI and ON Mining-Geological Inst of the Bashkir Affiliate of the Acad Sci USSR), 150 copies (KL, No 24, 1959, 130)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, Varvara L'vovna; ADRIANOVA, Ol'ga Sergeyevna; OLLI, A.I., prof., doktor geologo-mineral.nauk, otv.red.; POROYKOV, Yu.D., red.; SHAFIN, I.G., tekhn.red.

[Cenozoic in the Bashkirian cis-Ural region] Kainozoi Bashkirskogo Predural'ia. Ufa, M-vo geol. i okhrany nedr SSSR. Vol.1, pt.3. [Southern Ural brown coal basin] IUzhnoural'skii burougol'nyi bassein. 1959. 296 p. (MIRA 13:8)
(Southern Ural Basin--Lignite)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, Varvara L'vovna, for Doc of Geol~~ogical and~~ Min~~eralogical~~ Sci~~ences~~ on the basis of dissertation defended 29 May 59 in Council of the All-Union Sci Res Geological Inst ~~of Geology~~, entitled: "Cainozoa of the Bashkirian Urul Foothills ~~Promontories of the Ural~~." (BMVisSO USSR, 2-61, 31)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L.

Question of the lower boundary of the Quaternary system; from material on the cis-Ural portion of Bashkiria. Vop. geol. vost. okr. Rus. platf. i IUzh. Urala no. 5:7-13 '60. (MIRA 14:5)
(Bashkiria--Geology, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

CHIGURYAYEVA, A.A.; SKIDANOVA, Ye.A.; YAKHIMOVICH, V.L.

Material on the history of middle Pleistocene vegetation in the southeastern part of the European U.S.S.R. Vop. geol. vost. okr. Rus. platf. i IUzh. Urala no. 5:109-126 '60. (MIRA 14:5)
(Volga Valley—Paleobotany, Stratigraphic)
(Ural River Valley—Paleobotany, Stratigraphic)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L.

Question of the age of high river terraces and denudation surfaces which have developed in the cis-Ural portion of Bashkiria (in the interfluve of the Sakmara and Belaya Rivers). Vop. geol. vost. okr. Rus. platf. i IUzh. Urala no. 5:195-201 '60. (MIRA 14:5)
(Bashkiria—Geology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.L., doktor geol.-miner. nauk, otv. red.

[Quaternary of the Southern Urals] Antropogen IUzhnogo Urala. Moskva, Nauka, 1965. 271 p. (MIRA 18:4)

1. Akademiya nauk SSSR. Bashkirskiy filial, Ufa. Gorno-geologicheskiy institut.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIMOVICH, V.S., inshener

More concern for the needs of agricultural machinery operators. (MIRA 10:9)
Vrach.delo no.9:977 S '57.

1. Kotovskaya mashinno-traktornaya stantsiya (Chernigovskoy obl)
(AGRICULTURAL LABORERS--DISEASES AND HYGIENE)
(PUBLIC HEALTH, RURAL)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

GONCHAROV, K.F.; DOBROBORSKIY, S.A.; SIDOROV, P.N.; KOROSTASHEVSKIY, R.V.; KABANETS, Ya.P.; GROMYKO, Ye.M.; KARASIK, P.I.; GAZAROV, L.A.; YAKHIN, B.A.; GORIN, N.V., red.; POLYANSKAYA, Z.P., tekhn. red.

[Ball and roller bearings; catalog and handbook] Sharikovye i rolikovye podshipniki; katalog-spravochnik. Izd.2., ispr. i dop. Moskva, 1963. 379 p. (MIRA 17:3)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii po avtomatizatsii i mashinostroyeniyu. 2. Nauchnyye sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo konstruktorsko-tekhnologicheskogo instituta podshipnikovoy promyshlennosti (for all except Gorin, Polyanskaya).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIN, B.S., student

A case of echinococcosis of the kidney. Urologiia 22 no.2:59-60 Mr-Ap '57. (MLRA 10:7)

1. Iz urologicheskoy kliniki (zav. - prof. Z.V.Faynshteyn) Kazakhskogo gosudarstvennogo meditsinskogo instituta imeni V.M. Molotova (dir. - prof. I.S.Koryakin).
(KIDNEY DISEASES, case reports echinococcosis)
(ECHINOCOCCOSIS, case reports kidneys)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

KAMCHATNOV, V.P.; YAKHIN, F.A. (Kazan')

Danini-Aschner reflex in persons working in absolute darkness.
Kaz.med.zhur.no.3:94 My-Je '63. (MIRA 16:9)
(DARKNESS (PHYSIOLOGY)) (NERVOUS SYSTEM, AUTONOMIC)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIN, F.A.

Epileptic attacks in experimental renal hypertension in rats. Nauch. trudy Kaz. gos. med. inst. 14:335-336 '64. (MIRA 18:9)

1. Kafedra nervnykh bolezney (zav. - prof. L.J.Omorokov) i tsentral'naya nauchno-issledovatel'skaya laboratoriya Kazanskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

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YAKHIN, N.B.

YAKHIN, N.B.

Effective therapy in infectious mononucleosis. Medych.zhur. 20 no.3:97-102 '50. (MIRA 11:1)

1. Z Institutu klinichnoi fiziologii im. akad. O.O.Bogomol'tsa AN URSR (direktor - chlen-korespondent AN URSR prof. R.Ye. Kavetsk'kiy)
(MONONUCLEOSIS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIN, N.B.

Certain problems connected with the study of the hematological picture of Filatov's disease. Medych.zhur. 22 no.5:65-70 '52. (MLRA 6:10)

1. Instytut klinichnoyi fiziologiyi im. akad. O.O. Bohomol'tsya Akademiyi nauk URSR. (Exanthemata) (Blood--Analysis and chemistry)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIN, N. B.

YAKHIN, N. B.--"Investigation of the Filatov Disease (Acute Infection Mononucleosis)."
* (Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.) Kiev State Order of Labor Red Banner Medical Inst imeni Academician A. A. Bogomolets, Kiev, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 1955

* For Degree of Candidate in Medical Sciences

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHIN, Naum Borisovich

YAKHIN, Naum Borisovich, kand.med.nauk; CHERKASOV, A.V., red.; GITSHTEYN, A.D., tekhn.red.

[Infections mononucleosis; Filatov's disease] Infektsionnyi mononukleoz; bolezn' Filatova. Kiev, Gos.med.izd-vo USSR, 1957. 160 p. (MIRA 11:1)

(MONONUCLEOSIS)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

LEBEDEV, S.A.; PRYAZHEVSKIY, V.A.; YAKHIN, S.G.

Determining the place of the formation of the stable oil emulsion in production wells. Nefteprom. delo no.3:30-32 '63. (MIRA 16:9)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

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REPIN, N.N.; YAKHIN, S.G.

Studying the motion of triphase mixtures in vertical pipes. Izv. vys. ucheb. zav.; neft' i gaz 8 no.6:43-47 '65. (MIRA 18:7)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHNINA, N.A.; LADYGINA, V.Ye.; KABANOVA, Ye.A.; CHERNYSHEVA, T.F.

Enteropathogenic Escherichia coli in premature children. Vop. okh. mat. i det. 8 no.7:7-11 Jl '63. (MIRA 17:2)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei (direktor - prof. P.A. Vershilova) AMN SSSR i otdeleniya nedonoshennykh i patologii noverozhdennykh detey (zav. Ye.Ch. Novikova) Instituta pediatrii (direktor - dotsent M.Ya. Studenikin) AMN SSSR.

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YAKHINA, P.D.

CA

22

Influence of several factors on determination of sulfur in dark petroleum. A. S. Elgenson and P. D. Yakhina. *Zavodskaya Lab.* 15, 147-50(1940).—Detn. of S by the Eschka method gives low results owing to loss of volatile S compds., if lower petroleum fractions are used; it is satisfactory for the bituminous fractions and tars. The accelerated official method (G.O.S.T., 1946, Standardgiz) also gives low results (as much as 14%); the bomb combustion method is superior. After bomb combustion, the HNO oxidation is unnecessary as only traces of sulfite are present; much time is saved by elimination of this step. Neither benzidine nor chromate methods for SO_4 analysis in the wash water from the bomb were satisfactory. Simple volumetric titration of acidity of the wash water was satisfactory, as any CO_2 formed in combustion is rapidly lost on warming to 50-60° for 10 min. If the bomb is well flushed with O before use, no N oxides are formed, while small amts. of them resulting from N content of the oil can be rapidly estd. colorimetrically. The titration is done by 0.1 *N* NaOH to methyl orange; deviations are under 6%. The combustion can be used for light fractions also, provided that 5% $PhNH_2$ is added to prevent detonation; the higher fractions do not need an inhibitor.

G. M. Kosolapoff

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHINA, R.

USSR / Cultivated Plants. General. Problems M

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34561

Author : Yakhina, R.
Inst : Agricultural Institute for the District of Alma-Ata.
Title : Effect of the Layer of Perennial Grain-Leguminous Grass Mixtures on the Subsequent Crop Yields.

Orig Pub : S. Kh. Kasakhstana, 1957, #2, 19-24.

Abstract : Experiments conducted by the Institute for Agriculture of Alma-Ata Oblast over a period of three years (1948-1951) have shown an increase in the yield of each of the three crops (hard wheat, soft wheat and corn) following the sowing of grass and grass mixtures. The best ratio of grass mixture components (in the two year perennial grass stand) was 40-50% alfalfa and 60-50% grain.

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YAKHINA, R. S., Cand of Agric Sci — (diss) "Special Features of the Use of Aged Grass Mixture on the Crop Yields in the Irrigation Zone of the Foothills of Alma-Atinskaya Oblast," Alma-Ata, 1959, 21 pp (Kazakh State Agricultural Institute) (KL, 4-60, 122)

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YAKHINSON, B.I.; ROZENFEL'D, A.S.

Dynamics of linear electric circuits in the case of cyclic switchings. Izv.vys.ucheb.zav.; radiofiz. 7 no.4:771-779 '64.

(MIRA 18:1)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820009-5

YAKHINSON, B. I.

"Investigation of Differentiating and Neutralizing Passive Circuits." Sub 14 Mar 47, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum. No. 457, 18 Apr 55 Cand. Technical Sci.

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YAKHINSON, B. I.

USSR/Physics
Electricity
Terminology

Jan 49

"Concerning the Articles of M. F. Malikov, 'The Introduction of Absolute Electric and Magnetic Units in the USSR,' and P. L. Kalantarov, 'The Unite Systems for Measuring Electric and Magnetic Quantities'" 14 pp

"Elektrichestvo" No 1

Articles by V. Ye. Solov'yev, V. A. Zemskiy, B. I. Yakhinson, K. M. Polivanov, P. L. Kalantarov, and M. F. Malikov discuss the paraticability of adapting "the absolute electromagnetic system of units" instead of the international system. The latter two men advocate the new system.

PA 35/49T102

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