KHABAROV, B., inzh.

Assembly of sleeves on aluminum cables. Zhil.-kom. khoz. 11 no.11:21 N '61. (MIRA 16:7)

(Electric cable)

KHABAROV, B., inzh.

Operation of a power distribution network in a closed system. Zhil.-kom. khoz. 12 no.5:28-29 My '62. (MIRA 15:10)

(Electric power distribution)

KHABAROV, E.N.

Comments on P.V.Gul'tiaev and A.V.Petrov's article "Heat capacity of certain semiconductors." Fiz. tver tela 5 no.9:2711-2712 S '63. (MIRA 16:10)

1. Leningradskiy inzhenerno-stroitel'nyy institut.

KHABAROVA, V.A.; KHABAROV, E.N.; SHARAVSKIY, P.V.

Determining the saturation point of CdTe solution in InSb. Izv. vys. ucheb. zav.; fiz. no.6:62-64 '63. (MIRA 17:2)

1. Leningradskiy inzhenerno-stroitel'nyy institut.

L 21872-65 EWT(m)/EWP(t)/EWP(b) IJP(c)/BSD/AFWL/ASD(a)-5/SSD/ESD(t)/AFETR/

ACCESSION NR: AP5025110 S/0020/64/155/003/0542/0544

AUTHOR: Khaberov, E. N.; Sharavskiy, P. V.

TITLE: Investigation of the properties of [illegible] solutions

SOURCE: [illegible]

TOPIC TAGS: [illegible]

ABSTRACT: [illegible] properties of [illegible] ... the con- ... trans- ... [illegible]

L 11372-65
ACCESSION NR: AP4025110

3

relationship to the composition of the solid solution; from 3-5.5%

L 21872-65
ACCESSION NR: AP4025110

ASSOCIATION: Leningradskiy inzhenerno-stroitel'nyy institut (Leningrad Engineering Construction Institute)

SUBMITTED: 15Oct63 ENCL: 02 SUB CODE: SS, IC

NR REF SOV: 010 OTHER: 000

Card 3/5

On the dissociation of Hg in HgTe. V. A. Khabarova, P. V. Sharavskiy.

On the nature of solid solutions of CdTe in InSb. E. N. Khabarov, P. V. Sharavskiy.

Preparation and electrical properties of solid solutions of the system HgTe-CdTe. Yu. K. Tovpentsev, P. N. Sharavskiy.

Some physical properties of HgTe. L. A. Osnach, P. V. Sharavskiy. (Presented by P. V. Sharavskiy--25 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

ACCESSION NR: AR5004781 S/0137/64/000/010/I003/I003

24

B

TRANSLATION: With refinement of methods for microscopic and X-ray ... and measurements of the micr... of the boundary of the ...

SUB CODE: MM ENCL: 00

Card 1/1

L 2021[illegible] EWT(l)/[illegible](k)/T/EWA(h) Pz-6/Peb IJP(c)/SSD/APWL/ASD(a)-5/
[illegible] AT
[illegible]964,367 [illegible]/0048/64/028/[illegible]/1010/1016

AUTHOR: Boyetkin,A.; Kolosov,Ye.; Osnach,L.; Khabarova,V.; Khabarov,E.; Sharavskiy,P.

[illegible] solid solutions of [illegible] type com-
[illegible] All-Union Conference [illegible]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.6, 1964, 1010-1016

[illegible] semiconductor, semiconductor research [illegible]
[illegible] by ternaries, solid [illegible]

[illegible] the principal [illegible]
[illegible] and practical difficulties. Now binary compounds are being [illegible]

[illegible] solid solutions [illegible] by the con-
[illegible] that whereas in the InAs-HgTe system the mutual solubility range is un-

Card 1/3

ACCESSION NR: AP4041367

4

[illegible] system solid solutions [illegible] 5% Cd.

[illegible] and II and VII, it was felt that separative investigation of the [illegible] might yield information on the mechanism of formation of solid solutions.

[illegible] Hall-Effect [illegible] and thermo-emf [illegible] the [illegible] of the investigated solid solutions. Development of more reliable [illegible] theoretical constructs must await the accumulation of further and more [illegible] on these and [illegible] we express [illegible]

[redacted] participated in

[redacted]

SUBMITTED: 00 ENCL: 00

SUB CODE: SS,IC REF SOV: 007 OTHER:005

Card 3/3

L 06491-67 EWT(m)
ACC NR: AP6028304 SOURCE CODE: UR/0363/66/002/006/1141/1143

24
22
B

AUTHOR: Khabarov, E. N.

ORG: Leningrad Engineering and Construction Institute (Leningradskiy inzhenerno-stroitel'nyy institut)

TITLE: On criteria for the formation of solid solutions of semiconducting compounds with a sphalerite structure

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 6, 1966, 1141-1143

TOPIC TAGS: antimonide, arsenide, phosphide, gallium arsenide, solid solution

ABSTRACT: An attempt is made to formulate the criteria of formation of solid solutions by using quantum numbers as the energy characteristics of the chemical bonds between the atoms or ions of a semiconductor. The state of the valence electrons participating in bonds in binary compounds can be approximately characterized by a mean quantum number, but it must be kept in mind that the atoms are not equivalent in the formation of the energetic structure of the compound; the field of the anion plays a major part, since in chemical compounds of atoms with different electron affinities there is always an asymmetry of the electron density. For this reason, the mean quantum number should change by some small value δ which allows for the role of the corresponding anion. The formation of solid solutions between the $A^{III}B^{V}$ compounds InSb, BaSb, InAs, AlSb, BaAs, InP, AlAs, GaP and AlP should meet the following requirement:

Card 1/2 UDC: 537.311.33-165

L 06491-67
ACC NR: AP6028304 2

the difference in the mean quantum numbers of the binary compounds constituting the solid solution should not exceed some maximum number, which can be taken as unity; that is to say, the statistical replacement of particles during the formation of a solid solution is possible only if their energetic characteristics are similar. A table showing possible solid solutions based on this criterion is given. In conclusion, author thanks N. A. Goryunova and P. V. Sharavskiy for discussing the work and useful suggestions. Orig. art. has: 2 tables.

SUB CODE: 07/ SUBM DATE: 19Oct65/ ORIG REF: 005/ OTH REF: 003

Card 2/2 mAE

KHABAROV, G.N., veterinarnyy vrach

Fertilizability of cows after retention of the placenta.
Veterinariia 41 no.6:92-93 Je '64. (MIRA 18:6)

1. Ropshinskiy veterinarnyy uchastok, Leningradskoy oblasti.

S/123/60/000/015/002/007
A004/A001

Translation: from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 15, p. 94, # 78939

AUTHOR: Khabarov, I. P.

TITLE: The Turning of Hardened Steels

PERIODICAL: Sb. stud. rabot. Vologodsk. molochn. in-t, 1959, No. 1, pp. 57-58

TEXT: The turning of hardened steels is expedient in the case of large allowances for surface grinding. The author gives a report on experimental operations, carried out on the 1A62 lathe with tools fitted with T5K10 and T15K6 sintered carbide bits, possessing a rake angle between 5° and - 15°, and with tools fitted with ceramet bits on Al_2O_3 base. The cutting rates are presented (V = 22-30 m/min), which are recommended for the machining of hardened steel grades with a hardness of R_C 64-65, and data of the obtained surface finish (∇6 ÷ ∇10) are given. There are 2 tables.

V. D. I.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

PANASENKO, Vasiliy Grigor'yevich; KUBAREV, K.P., retsenzent; ZAVATSKIY, M.A., retsenzent; SVIRIDOV, N.P., retsenzent; KHABAROV, L.N., retsenzent; NIKIFOROV, A.S., red.

[Study of materials used in carpentry and furniture manufacture] Materialovedenie stoliarno-mebel'nykh proizvodstv. Moskva, Lesnaia promyshlennost', 1964. 204 p. (MIRA 18:3)

MOROZOV, Nikolay Aleksandrovich, dots., kand. tekhn. nauk;
KHABAROV, L.N., retsenzent; OSADCHIYEV, V.G., kand.
tekhn. nauk, retsenzent; MEDVEDEVA, Ye.T., red.

[Technology of wood processing] Tekhnologiia obrabotki
drevesiny. Moskva, Lesnaia promyshlennost', 1965. 333 p.
(MIRA 18:5)

1. Trubchevskiy lesotekhnicheskiy tekhnikum (for Khabarov).
2. Moskovskiy lesotekhnicheskiy institut (for Osadchiyev).

KHABAROV, M. A.

FA 233T79

USSR/Metallurgy - Foundry, Equipment Sep 52

"Tuyere for Delivering Oxygen Into the Forehearth of a Cupola," V.A. Fukiev, Cand Tech Sci, M. A. Khabarov, Engr

"Litey Proizvod" No 9, pp 24, 25

Discusses possibility for overheating cast iron by blowing with oxygen in cupola forehearth. Describes detachable tuyere box designed and installed at plant of Tashsel'mash (Tashkent Agr Mach Bldg Plant imeni Voroshilov). Design permits removing oxygen tuyere for repair, replacing it by spare tuyere box within period of 8-15 min. Tuyere zone in box represents brickwork, 300-400 mm high and 800-900 mm long, fitted into opening in forehearth wall. Box is installed on carriage for sake of mobility.

233T79

233T79

ZYUZIN, Arkadiy Ivanovich; KHABAROV, N.

[Profits of state farms] O rentabel'nosti sovkhozov. Moskva, Mosk. rabochii, 1961. 45 p. (MIRA 15:2)
(State farms)

KUTSIY, Yu., Geroy Sotsialisticheskogo Truda; TIMOFEYEV, M.; KHABAROV, N., Geroy Sotsialisticheskogo Truda Godyayev, A., deputat Verkhovnogo Soveta SSSR, tokar'

Toward new creative achievements. Sov. profsoiuzy 17 no.1:8-11 Ja '61. (MIRA 14:1)

1. Rukovoditel' brigady kommunisticheskogo truda Kiyevskogo zavoda "Krasnyy ekskavator" (for Kutsiy). 2. Chlen komiteta profsoyuza zavoda imeni Vladimira Il'icha (for Timofeyev). 3. Brigadir kompleksnoy brigady stroiteley Stroitel'no-montazhnogo uchastka No.2 Kuybyshevskogo tresta "Metallurgstroy" (for Khabarov). 4. Sudomekhanicheskiy tsekh zavoda "Krasnoye Sormovo" (for Godyayev).
(Russia—Economic conditions)

KHABAROV, N. D.

Bykov, R. S. (deceased); N. D. Khabarov; L. D. Ogurchikov; E. M. Nepomnyashchiy; and T. N. Golokhmatova. Methods of Extrusion of Large-sized Aluminum Alloy Structural Members p.80

Pressure Treatment of Alloys; Collection of Articles, Moscow, Oborongiz, 1958, 141pp.

KHABAROV A. D.

PHASE I BOOK EXPLOITATION SOV/5761

Akademiya nauk SSSR. Institut mashinovedeniya

Tekhnologicheskiy smazki dlya obrabotki metallov davleniyem (Industrial lubricants Used in Pressworking of Metals) Moscow, Mashgiz, 1960. 96 p. 5,000 copies printed.

Sponsoring Agency: Institut mashinovedeniya Akademii nauk SSSR.

Ed.: A. V. Korolev, Candidate of Technical Sciences; Ed. of Publishing House: G. M. Bobolarn; Tech. Ed.: L. F. Dorbyorn; Managing Ed. for Literature on Heavy Machine Building: S. Ya. Dolgiy, Engineer.

PURPOSE: This collection of articles is intended for scientific and technical personnel, production engineers, and students in schools of higher technical education and technikums.

COVERAGE: The book contains articles analyzing the research on industrial lubricants used in pressworking of metals conducted by various institutes and plant laboratories. It is stated that these lubricants improve the metal-forming process and increase the wear resistance of tools (dies), thereby

Card 1/3

increasing the quality and quantity of production. Also included are papers discussed at an All-Union convention on industrial lubricants held under the auspices of the Laboratoriya po tekhnologii mashinostroyeniya Instituta mashinovedeniya AN SSSR (Commission for Machine-Building Processes of the Institute of Science of Machines, AS USSR). No personalities are mentioned. References accompany some articles and are all Soviet.

TABLE OF CONTENTS:

Isachenkov, Yu. I. Application of Principles of the Hydrodynamic Lubrication Theory to Stamping Processes	3
Korolev, A. V. On the Problem of Testing Industrial Lubricants Used in Cold Stamping of Sheet Steel	15
Dergobuz, Yu. P. Friction and Lubrication in Stamping Sheet Steel and Alloys	28

Card 2/3

AVAILABLE: Library of Congress (TS213.A36)

VK/dfk/os
4/20/61

88684

S/137/61/000/001/011/043
A006/A001

1.1200 A

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 1, p. 20, # 1D175

AUTHOR: Khabarov, N.D.

TITLE: Research of New Lubricants for Pressing Semi-Products From Aluminum Alloys

PERIODICAL: V sb. "Tekhnol. smazki dlya obrabotki metallov davleniyem", Moscow, Mashgiz, 1960, pp. 51 - 64

TEXT: Research work was carried out to investigate the causes of the formation of a coarse-crystalline ring in pressed articles and measures were developed to prevent the appearance of coarse crystallites in this zone in Д 1 (D1), Д16 (D16), АК6 (AK6) and other alloys. The best condition to obtain semi-products without coarse-crystalline rings during direct pressing, is the reduction of temperature when heating the container, down to 250°C (when heating the ingots to 380-430°C). During this process the rods and sections acquire a sufficiently homogeneous structure with fine-crystallite rings; mechanical properties in the longitudinal direction are high and uniform over the whole section. However, the

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88684
S/137/61/000/001/011/043
A006/A001

Research of New Lubricants for Pressing Semi-Products From Aluminum Alloys

method of direct pressing without greasing has some deficiencies: such as reduced flow rate and increased specific pressure of pressing. Direct pressing with grease does not show the aforementioned deficiencies, but semi-products obtained by this method, have surfaces of poorer quality. As a result of investigating various types of lubricant, sufficiently heat resistant lubricants can be selected, which offer satisfactory lubrication properties in direct pressing of Al-alloys. Sticking of Al-alloys to the container surface is eliminated, the specific pressure on the pressing plate is reduced by 45-50%; a small size deformation seat is being formed which is located near the die. This entails more uniform deformation as compared to pressing without using lubricants.

K. U.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

S/123/62/000/006/015/018
A004/A101

AUTHORS: Gulyayev, G. I., Sitkovskiy, I. S., Khabarov, N. D., Baykova, T. P., Bratenkova, Ye. V.

TITLE: The practice of pressing converted tubes from the steel grades ЭИ 846 (EI846), ЭИ 847 (EI847), ЭИ 702 (EI702), Х12Ф1 (Kh12F1), СН2 (SN2) and ОХ18Н9Т (OKh18N9T)

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 6, 1962, 25-26, abstract 6V119 (V sb. "Proiz-vo trub", no. 4, Khar'kov, Metallurgizdat, 1961, 5-8)

TEXT: Tests were carried out to press converted tubes from the difficult to pierce steel grades EI847 and Kh12F1 and FI846, EI702 and SN2 which cannot be pierced on machines with oblique-positioned rolls. For a comparison, the OKh18N9T grade steel was used which is well-introduced in tube production. Pressing was carried out on a 600-ton vertical hydraulic press. The blanks in the form of turned and drilled sleeves of 83 mm outer diameter and 24 mm wall thickness were heated in a horizontal induction furnace with electromechanical pusher up to the following temperatures: EI846 - 1,200°C, EI847 - 1,220 - 1,230°C, EI702 -

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L 17075-65 EWG(j)/EWP(e)/EWT(m)/EPF(c)/EWA(d)/EPR/T/EWP(t)/EWP(k)/EWP(b)

ACCESSION NR: AP4048663 S/0133/64/000/011/1052/1055

AUTHOR: Khabarov, N. D.; Tarasov, V. I.; Ogurchikov, L. G.

TITLE: Manufacture of high-precision steel shapes

SOURCE: Stal', no. 11, 1964, 1052-1055

TOPIC TAGS: steel shape, high precision shape, aircraft, extrusion, drawing, manufacture, 30KhGSA steel, Kh15N9Yu steel, precipitation hardenable steel

ABSTRACT: High-precision, low- and high-alloy steel shapes (such as [illegible] and T's) with high surface quality and narrow dimensional tolerances can be obtained by hot extrusion followed by cold-drawing. [illegible] and Kh15N9Yu-steel [illegible] with a web thickness of [illegible], and T's with a web thickness of [illegible] and a flange thickness of 5 mm, were produced by this technique. The following special precautions, however, had to be taken: the extruded shapes were annealed (30KhGSA at 690C, Kh15N9T at 1050C) and pickled; drawing dies were provided with sintered hard-alloy inserts; drawing speeds were maintained at 2.5—3 m/min; and the Kh15N9T shapes were preheated to

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L 17075-65

ACCESSION NR: AP4048663

7

100—120C for drawing (in order to suppress martensitic transformation) and lubricated with a colloidal graphite lubricant which also serves as a heat insulator. The L's obtained by this technique had the following dimensional tolerances: +0.17 to -0.26 mm for thickness and +0.6 to -0.5 mm for width, both closer than those prescribed by AMTU 361-56 for high-precision shapes. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00	ENCL: 00	SUB CODE:	MM, IE
NO REF SOV: 000	OTHER: 000	ATD PRESS:	3148

Card 2/2

L 9691-66 EWT(m)/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HW

ACC NR: AP5026735 SOURCE CODE: UR/0286/65/000/017/0011/0011

INVENTOR: Korneyev, N. I.; Khabarov, N. D.; Tarasov, V. I.; Ogurchikov, L. G.

ORG: none

TITLE: Sectional drawing die for sizing complex metal shapes. Class 7, No. 174165 [announced by the Organization of the State Committee on Aviation Technology SSSR (Organizatsiya gosudarstvennogo komiteta po aviatsionnoy tekhnike SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 11

TOPIC TAGS: fabricated structural metal, die, metal drawing

ABSTRACT: An Author Certificate has been issued for a sectional die for drawing or sizing complex shaped bars. The die consists of two or more sections held in a housing. To eliminate the pointing of the front end of the bar, the outside surface of the die sections is made conical, with an angle greater than the friction angle, thereby ensuring close tightening of the die sections. [MS]

SUB CODE: 13/ SUBM DATE: 13Mar64/ ATD PRESS: 4157

Card 1/1/ UDC: 621.778.07

RUSAKOV, G.K., nauchnyy sotrudnik; MILYAVSKIY, I.O., nauchnyy sotrudnik; ARINA, A.Ye., nauchnyy sotrudnik; PANKOVA, K.I., nauchnyy sotrudnik; KHABAROV, N.F., nauchnyy sotrudnik. Prinimali uchastiye: PAVLOVA, N.G.; VYATCHININA, V.G.; VARFOLOMEYEVA, M.M. TIKHONOVA, Ye.M., red.; GUREVICH, M.M., tekhn.red.; DEYEVA, V.M., tekhn.red.

[Economic accountability on collective farms; regulations and methods of introduction] Vnutrikhozialstvennyi raschet v kolkhozakh; primernoe polozhenie i metodika vnedreniia. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 71 p. (MIRA 14:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva (for Rusakov, Milyavskiy, Arina, Pankova, Khabarov).
(Collective farms--Accounting)

MILYAVSKIY, Il'ya Osipovich; KHABAROV, Nikolay Fedorovich; KVACHEV, Vladimir Mikhaylovich; GUSMAN, L., red.; SHLYK, M., tekhn.red.

[Economic accountability on collective farms; practices of collective farms near Moscow] Khozraschet v kolkhozakh; iz opyta kolkhozov Podmoskov'ia. Moskva, Mosk.rabochii, 1960. 151 p. (MIRA 14:2)

(Collective farms--Accounting)

HUSAKOV, Georgiy Kuz'mich, kand.sel'skokhoz.nauk; MILYAVSKIY, Il'ya Osipovich, kand.sel'skokhoz.nauk; KHABAROV, Nikolay Fedorovich, agronom-ekonomist; POTAPOV, Kh.Ye., red.; PONOMAREVA, A.A., tekhn.red.

[Planning and business accounting in brigades and sections of collective farms] Planirovanie i khozraistvennyi raschet v brigadakh i na fermakh kolkhoza. Moskva, Gosplanizdat, 1961. 190 p. (MIRA 14:2)
(Collective farms--Finance)

KHABAROV, P. (Gor'kiy)

Workers' committee struggles for a decrease in the sick rate. Okhr. truda i sots. strakh. 7 no.2:26-27 F '64. (MIRA 17:2)

1. Vneshtatnyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye".

KHABAROV, P. G.

KHABAROV, P. G.

6555 Nayman, I. M., POLONSKIY, Z. B. I KHABAROV, P. G.
SREDSTVA INDIVIDUAL'NOY ZASHCHITY NA PROIZVODSTVE.
(M) PROFIZDAT, 1954. 200 S. S ILL. 20 SM.
10.000 EKZ. ZR. 50 K.-- BIBLIOGR: S 196-198.--
(55-2603) P 658.283 plus 613.6 plus (016.3)

SO: KNIZHNAYA LETOPIS' NO. 4, 1955

NAYMAN, Isaak Markovich; POLONSKIY, Zinoviy Borisovich; KHABAROV, Petr Gavrilovich; KUZHETSOVA, N.I., red.; SHADRINA, M.D., tekhn.red.

[Means of individual protection in industry] Sredstva individual'noi zashchity na proizvodstve. Izd.2., ispr. i dop. Izd-vo VTsSPS Profizdat, 1958. 273 p. (MIRA 12:6)
(Industrial safety)

TOROPOV, S.A.; KHABAROV, P.G. (Moskva)

Individual methods for portection from dust. Gig. truda i prof. zab. 4 no. 7:62 Jl '60. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda.
(DUST—PREVENTION) (RESPIRATORS)

TOROPOV, S.A.; KHABAROV, P.G.

Individual protection against corrosive substances. Gig. truda i prof. zab. 4 no.6:61 Je '60. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda, Moskva.

(ACIDS--HANDLING AND TRANSPORTATION)

KHABAROV, Roman Sergeyevich; KRIVONOSOV,L., redaktor; ANRIANOV,B., tekhnicheskiy redaktor

[Fast hydroplane model with semisubmerged screw] Skorostnaia glissiruiushchaia model' s polupogruzhennym vintom. Moskva, Izd-vo DOSAAF, 1955. 51 p. (MLRA 9:2)
(Hydroplanes--Models)

SOV/24-59-3-31/33

AUTHOR: Khabarov, V. I. (Moscow)

TITLE: On the Turbulent Supersonic Flow of Gas in a Symmetrical Channel with the Supply of Heat

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1959, Nr 3, pp 188-190 (USSR)

ABSTRACT: A method is considered where a full pressure and velocity of the gas flow are maintained at the end of a cylindrical tube when an amount of heat calculated from the formula

$$\vartheta = \sqrt{T_{02}/T_{01}}$$

is being supplied (T_{01} and T_{02} - drag temperature at the tube axis before and after the heat supply, respectively). As an example a loss of heat at the full pressure ϑ for the different initial M is shown in Fig 1. The increase of drag temperature can be expressed by the formula

$$T_{02} = T_{01}\exp(ax + bx^2 + cx^3)$$

where: x - the non-dimensional abscissa and a , b , c - the constant coefficients as tabulated on p 188 and shown in

Card 1/2

On the Turbulent Supersonic Flow of Gas in a Symmetrical Channel with the Supply of Heat

Fig 2. The results of calculation are illustrated in Figs 2 to 5, which represent: the values of drag temperature (Fig 2) and M (Fig 3) at the end of the flow; an effect of the intensity of heat supply on the coefficient of maintenance of the full pressure θ (Fig 4); an effect of cooling the tube's wall on the length of the flow outside the end of the tube (Fig 5). G. N. Abramovich is thanked for advice. There are 5 figures and 2 Soviet references.

SUBMITTED: January 13, 1959.

Card 2/2

NEKHAY, Z.M.; KHABAROV, V.I.

The P156-type hydraulic forging press with a 2,000 ton capacity. Biul.tekh.-ekon.inform. no.7:13-14 '58. (MIRA 11:9)
(Hydraulic presses) (Forging machinery)

AUTHOR: Khabarov, V.I., and Nekhay, S.M. SOV/113-59-2-15/20

TITLE: A 2,000 Ton Hydraulic Drawing Press (Gidravlicheskiy vytyazhnoy press usiliyem 2000 t)

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 2, pp 30-32 (USSR)

ABSTRACT: The author describes the 2,000-ton hydraulic drawing press produced by the Dnepropetrovsk Medium Hydraulic and Heavy Mechanical Press Plant in July 1958. The press, type P579, was designed by the TSBKM in Moscow mainly for deep drawing sheet metal parts in the automobile and aviation industries. The press is provided with a 80-ton pressure ram and a 700-ton hydraulic pad installed in the bed plate for holding fast the blanks being drawn. The holding force can be preset and also regulated during the drawing process by the movement of sliding crosshead. The largest diameter of the drawn blanks is 2,000 mm, their weight about 400 kg and height up to 800 mm. There are 1 photograph and 3 diagrams.

ASSOCIATION: Dnepropetrovskiy zavod srednikh gidravlicheskikh i tyazhelykh mekhanicheskikh pressov (Dnepropetrovsk Medium Hydraulic and Heavy Mechanical Press Plant)

Card 1/1

S/182/60/000/007/014/016/XX
A162/A029

AUTHORS: Khabarov, V.I.; Nekhay, S.M.

TITLE: New 2,000-Ton Tier Press

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No. 7, pp. 39 - 42

TEXT: Detailed information is given on design and operation of a new П739 (P739) hydraulic "tier" (etazhnyy) press shown in a photo (Fig. 1) produced by the Dnepropetrovskiy zavod srednikh gidravlicheskikh i tyazhelykh mekhanicheskikh pressov (Dnepropetrovsk Plant of Medium Hydraulic and Heavy Mechanical Presses). The 2,000-ton press has 11 tiers and is designed for pressing decorative paper layers and electric insultation sheet materials since it develops pressures of up to 130 kg/cm^2 on work of 1,500 x 1,000 mm surface. When pressing a 2-mm paper layer, each of the 11 tiers accomodates up to 10 packets. The control is automatic and switches on with the loading of the first packet. The hydraulic loading and unloading mechanisms had been developed and produced at the above-mentioned plant for the first time in the USSR. The press has 2 work cylinders and 12 heating plates spaced at 150 mm each and heated by superheated water up to 160°C. The cylinder work fluid consists of mineral oil. The total power of the electric

Card 1/3

New 2,000-Ton Tier Press

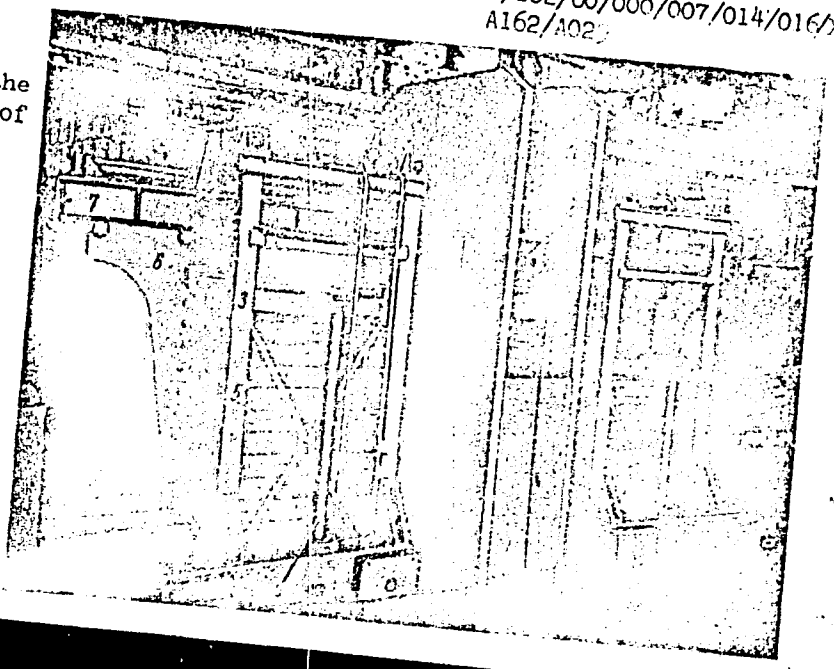
motors of the press is 47.18 kw. The press dimensions are 8,330x8,380x8,650 mm, it stands 5,195 mm above the floor level. The temperature in the plates is controlled by an electronically balanced ЭМД 232 (EMD232) bridge; the temperature within the plates is recorded by a ЭМВ 21 (EMV21) bridge. The loading-unloading mechanism seen in Figure 1 ("3") consists of a frame with welded "etazherka" (shelves) activated by hydraulic cylinders. Packets are fed into the press by a pusher. The hydraulic system of the press includes three pumps of different type and two controllable drain valves. A KPG-10 (KRS-10)-type valve performs two functions: it throws off the pressure and is a safety valve. After 50 - 80 operations or 10 - 12 hours of standing idle the KRS-10 valve accumulates air. A number of bugs must be eliminated before the press becomes efficient.

New 2,000-Ton Tier Press

S/182/60/000/007/014/016/XX
A162/A02X

Figure 1:

1. General View of the Hydraulic Tier Press of the P739 Model With a Force of 2,000 t.



Card 3/3

KHABAROV, V.I.; NEKHAY, S.M.; NOVAK, V.M.

Soviet presses for particle board manufacture. Der.prom. 9 no.8: 8-10 Ag '60. (MIRA 13:8)
(Hardboard) (Hydraulic presses)

NEKHAY, Stepan Matveyevich; KHABAROV, Valentin Ivanovich; SMIRNOV, A.V. red.; AZAROVA, V.G., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Power presses for the manufacture of particle boards] Pressy dlia struzhechnykh plit. Moskva, Goslesbumizdat, 1961. 76 p. (MIRA 15:2)

(Hardboard) (Power presses)

S/147/61/000/004/020/021
E039/E120

AUTHOR: Khabarov, V.I.

TITLE: Motion of constant-pressure gas when heated

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, no.4, 1961, 147-148

TEXT: A study has been made of the total-pressure change in a gas flow under constant static pressure p, both in isobaric flow and in a cylindrical tube, depending on relative gas heating ϑ:

$$\vartheta = \sqrt{T_{02}/T_{01}}$$

and on the initial flow-velocity coefficient λ (Mach number):

$$\lambda_1 = W/a,$$

where: T_{01} and T_{02} are the braking temperatures before and after heat introduction, respectively; W is flow velocity, a is the critical speed of sound. It was found that high values of the coefficient of total-pressure reduction σ ($\sigma = p_{02}/p_{01}$), (where p_{01} and p_{02} are the total pressures at the beginning and end of

Card 1/ 2

the heating process, respectively), at subsonic velocities ($\lambda_1 < 1$) correspond to the case of heat introduction at constant pressure, while at supersonic velocities high values of σ correspond to the case of heat introduction in a cylindrical tube. In the particular case when a supersonic flow is heated it is possible for the flow velocity coefficient λ_1 to be numerically equal to the relative heating $\vartheta' = \lambda_1$, and that the flow velocity becomes equal to the local speed of sound. This corresponds to a very sharp decrease in the value of σ as λ_1 increases. With large values of relative heating in supersonic flow ($\vartheta' > \lambda_1$) the local velocity of sound will begin to exceed the flow velocity and the flow becomes subsonic. It is concluded that intense heating of a moving gas can be reached at constant pressure. In the limit when $\vartheta = \infty$ it is shown that σ decreases monotonically to very low values as λ_1 is increased. In this study it is assumed that a uniform adiabatic gas is used with uniform flow, and friction is absent. The findings are illustrated by a graph. There is 1 figure.

ASSOCIATION: Moskovskiy aviatsionnyy institut, kafedra 201 (Moscow Aviation Institute, Department 201)

Card 2/2

KHABAROV, V.I.

Heated gas flow at constant pressure. Izv.vys.ucheb.zav.; av.tekh. 4 no.4:147-148 '61. (MIRA 15:2)

1. Moskovskiy aviatsionnyy institut, kafedra 201.
(Fluid dynamics)

NEKHAY, Stepan Matveyevich; NOVAK, Vadim Mikhaylovich; KHABAROV, Valentin Ivanovich; GAMAYUNOV, N.I., red.; LARIONOV, G.Ye., tekhn. red.

[Pressing machines used in the manufacture of electrical insulating materials]Pressy dlia proizvodstva elektroizoliatsionnykh materialov. Moskva, Gosenergoizdat, 1962. 94 p. (MIRA 15:9)

(Electric insulators and insulation)
(Electric equipment industry--Equipment and supplies)
(Power presses)

Khabarov, V. P.

AUTHOR: Khabarov, V. P. 138-1-12/16

TITLE: Results of a Competition for the Best Suggestions for the Mechanisation and Automation of Cutting and Inspection of Moulded Rubber Articles. (Itogi konkursa na luchsheye predlozheniye po mekhanizatsii i avtomatizatsii obrezki i po razbrakovke formovykh rezinovykh izdeliy).

PERIODICAL: Kauchuk i Rezina, 1958, Nr.1. pp. 38 (USSR).

ABSTRACT: This competition was held by the Soviet Ministry for Chemical Industry (Ministerstvom khimicheskoy promyshlennosti) in 1956.

Card 1/1

AVAILABLE: Library of Congress.

AUTHOR: Khabarov, V. P. SOV/138-58-8-9/11

TITLE: Reconstruction of a Jaw-Type Vulcanizing Press (Rekonstruktsiya vulkanizatsionnogo chelyustnogo pressa 600x400)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 8, pp 35 - 36 (USSR)

ABSTRACT: In order to increase production of driving belts manufactured at the Yaroslavl' rubber factory, extra vulcanizing press capacity was required. It was found that the top beam of a jaw-type press, used for moulding these belts, was thick enough to give five times the actual strength required. It was possible to reduce the thickness of this beam, and gain 70 mm gap. A further 20 mm could be gained by decreasing the thickness of a spacing ring between the table of the press and the ram. The extra gap enabled a second profile plate to be used, and belts could then be vulcanized four high. The wind-up and stretching gear was similarly duplicated, and

Card 1/2

Reconstruction of a Jaw-Type Vulcanizing Press

increase of production from the one press amounted to 70 - 80%.

SOV/138-58-11-8/14

AUTHOR: Khabarov, V. P.

TITLE: The Technology of Preparing Rubber Footwear (Tekhnologiya izgotovleniya rezinovoy obuvi). A Short Review of Methods and Processes Used in the USSR and Abroad (Kratkiy obzor metodov i protsessov, primenyayemykh v SSSR i za rubezhom)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 11, pp 28 - 30 (USSR)

ABSTRACT: The output of rubber boots in the USSR during 1958 amounted to 155 mil. pairs. During 1954 the output in the USA amounted to 75 mil. pairs and in England to 30 mil. pairs. Improvements in the technology and mechanisation of the industry since 1948 are discussed. Due to mechanisation, the output of rubber boots during 1958 constituted 26.6% of the total production in the shoe industry. During the period 1959 - 1965 a 70% increase is foreseen. Various methods used in the USSR and abroad for the following types of rubber footwear: overshoes, shoes, boots, slippers and protective boots, are given. Methods for cutting and assembly of footwear used in the USSR, Czechoslovakia, France and Italy are discussed. The NIIR designed two machines for tightening the lining in footwear which will shortly be

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used in industry. A new machine for applying lacquer to shoes and boots was designed in 1955. Two methods for lacquering overshoes are mentioned: the mechanical lacquering on a stand as devised by V. V. Min'kevich (NIIR) and lacquering in an electrostatic field designed by the Trust "Lakokraskpokrytiye", together with workers of the "Krasnyy bogatyr'". Recently the NIIR, the firm "Krasnyy treugol'nik" and Resinoproyekt devised an apparatus for the continuous vulcanisation of overshoes at ordinary pressures which is used in the factory "Krasnyy treugol'nik".

SOV/138-59-3-15/16

AUTHOR: Khabarov, V.P.

TITLE: Industrial and Technical Conference in the Factory "Krasnyy Treugol'nik" (Proizvodstvenno-tekhnicheskaya konferentsiya na zavode "Krasnyy treugol'nik")

PERIODICAL: Kauchuk i rezina, 1959, Nr 3, pp 61 - 62 (USSR)

ABSTRACT: This conference was held from 16th to 21st February, 1959 in Leningrad. It was attended by representatives from the factory "Krasnyy bogatyr' ", the Tomsk Factory for Rubber Footwear, the Riga factory "Meteor", the Chernovtsy and Tula Rubber Factories, Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy (Research Institute for Rubber and Latex Articles, NIIR), the Gosudarstvennyy komitet Soveta ministrov SSSR po khimii (State Committee of the Soviet of Ministers of the USSR for Chemistry), Upravleniye khimicheskoy promyshlennosti Leningradskogo Soveta narodnogo khozyaystva (Administration for the Chemical Industry of the Leningrad Council of National

Card 1/3

Industrial and Technical Conference in the Factory "Krasnyy Treugol'nik"

Economy), Gosplan of the USSR, Gosudarstvennyy institut po proyektirovaniyu predpriyatiy rezinovoy promyshlennosti (State Institute for Planning in the Rubber Industry), Leningradskiy inzhenerno-ekonomicheskiy institut (Leningrad Engineering-Economics Institute) and Vsesoyuznaya torgovaya palata (All Union Board of Trade). The following papers were read. 1) The Chief Engineer of the factory "Krasnyy Treugol'nik", A.G.Suvorov on "The Results of Fulfilling the Resolutions of the 1958 Industrial and Technical Conference and Problems of Developing the Factory During the Period 1959 to 1965". The lecturer pointed out that during 1958 the plant had started using the vulcanising apparatus AGV-6r, and that considerable modernisation of the plant had been carried out during the same year. Further mechanisation was to be introduced during 1959. 2) The chief of the Technical Laboratory for Rubber Footwear of the Research Institute for Rubber and Latex Articles, A.A.Pozin, Candidate of Technical Sciences, on "Methods of Mechanising and Modernising the Rubber Footwear Industry." 3) The head of a department

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Industrial and Technical Conference in the Factory "Krasnyy Treugol'nik"

of the Gosplan, USSR, G.V.Grigor'yan on "The Seven Year Plan of the Development of the Rubber Footwear Industry in the USSR". 4) A report on the work of the workshop Nr 6 in the factory "Krasnyy Treugol'nik". 5) The chairman of the All-Union Board of Trade, I.L.Ayzenshtadt on "Superior Quality Footwear Produced by Foreign Firms". The Conference passed a resolution that further mechanisation of processes should be introduced and the quality of rubber footwear improved.

Card 3/3

KHABAROV, V.P.

Fourth technical and economic conference on production problems at the "Krasnyi treugol'nik" factory. Kauch.i rez. 19 no.6:56-57 Je '60. (MIRA 13:6)

(Leningrad--Tires, Rubber)

KHABAROV, V.P.

Automatic mechanical press for the extrusion and vulcanization of rubber goods for engineering uses. Kauch. i rez. 20 no.1:61-62 Ja '61. (MIRA 14:3)

(Rubber, Machinery)

GULENKO, Nikolay Nikolayevich; GORA, Viktor Yepifanovich; ALESHIN, V.A., kand. tekhn. nauk, retsenzent; CHLENOV, M.T., kand. tekhn. nauk, retsenzent; KHABAROV, V.P., inzh., retsenzent; ABRAGAM, S.R., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Track machinery and mechanisms] Putevye mashiny i mekhanizmy. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 319 p. (MIRA 14:8)
(Railroads--Equipment and supplies) (Railroads--Track)

KHABAROV, V.P.; GUROVICH, Ye.S.

Increasing the productive capacity of existing enterprises of the rubber industry. Kauch. i rez. 20 no.10:36-38 O '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti. (Rubber industry)

KHABAROV, V.P.; SHEFTEL', I.A.

Scientific and Technological Conference on the Coordination of Scientific Research and Experimental Construction in the Rubber Industry. Kauch. i rez. 20 no.6:55-57 Je '61. (MIRA 14:6)
(Rubber industry--Congresses)

KHABAROV, V.P.

Manufacture of conveyor belts and V-belts in Russian and foreign industries. Kauch.i rez. 21 no.1:55-57 Ja '62. (MIRA 15:1)
(Belts and belting)

KHABAROV, V.P.; SHEFTEL', I.A.

Scientific and technical conference on the coordination of works on research and experimental design in the industry of rubber goods for engineering uses. Kauch.i rez. 21 no.4:50-52 Ap '62. (MIRA 15:4)

(Rubber research--Congresses)

KHABAROV, V.S. (Moskva)

Construction of frequency characteristics of a class of automatic control systems with variable structure. Avtom. i telem. 26 no.8:1472-1476 Ag '65.

(MIRA 18:11)

L 6489-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) BC

ACC NR: AP5027896 SOURCE CODE: UR/0103/65/026/011/2032/2038

AUTHOR: Alekperov, V.P. (Moscow); Khabarov, V.S. (Moscow) 39 B

ORG: None

TITLE: The widening of the parametric stability region using nonlinear control laws

SOURCE: Avtomatika i telemekhanika, v. 26, no. 11, 1965, 2032-2038

TOPIC TAGS: nonlinear automatic control, nonlinear control system, automatic control theory, control system stability

ABSTRACT: During the determination of optimum regulator tuning in nonlinear automatic control systems, there is often a need for the establishment of the stability region within the regulator parameter plane. The present paper investigates the conditions of asymptotic stability of the zero solution of a system of equations which deviates from linearity in one of the functions of the system. According to the general mathematical formulation of the problem and the establishment of a parametric stability region in linear systems, the authors show that the parametric stability region can be widened in the case of the power and logical laws of nonlinear control. The theory is applied (including numerical calculations) to the first Bulgakov problem taking into account the dynamic delays of the device controlled by an executor unit. Orig. art. has: 24 formulas and 7 figures.

SUB CODE: IE / SUBM DATE: 03Jun64 / ORIG REF: 005 / OTH REF: 001

Card 1/1 UDC: 621.396.6.019.35

0901 2050

KORABLEV, A.D., inzh. (Novosibirsk); KHABAROV, Ye.Ye., inzh. (Novosibirsk)

Lighting of drive ways at buildings in newly constructed development. Svetotekhnika 9 no.11:29-30 N '63. (MIRA 16:12)

AUTHORS: Khokhlov, B.; Khabarov, Yu. SOV-107-58-9-21/36

TITLE: A Pocket Superheterodyne (Karmannyy supergeterodin)

PERIODICAL: Radio, 1958, Nr 9, pp 32-34 (USSR)

ABSTRACT: This miniature receiver is assembled in a case of organic glass 146 x 91 x 35 mm. Transistors are used throughoout. The magnetic antenna is wound on ferrite rod and the set is powered by four cells taken from a flat disk battery, giving a total voltage of 6 v with current consumption at 6 ma. Maximum output is in the region of 160 mw and sensitivity 0.5-1 mv/m. The receiver picks up a great number of stations in the MW 250-550 m band. The mixer and separate heterodyne stages have inductance coupling. There are 3 stages of IF amplification whose working regime is determined by dividers in the base and resistors in the emitter circuits. The detector has a large loading resistance which brings its operation to the straight line portion of its characteristic curve, thus lessening distortion. The AF amplifier is a two-stage system, with transformer coupling to achieve the necessary step-up. The AF output stage consists of 4 transistor triodes, 2 with p-n-p and 2 with n-p-n conductivity. This gives

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a high input and low output impedance, permitting the output signal to be fed directly to the loudspeaker coil without the use of an output transformer. Constructional details, coil winding data etc are given. The sub-miniature loudspeaker is home-made from parts taken from other speakers. There are two diagrams, 1 table and 1 circuit diagram.

1. Radio receivers--Design 2. Transistors--Applications
3. Radio receivers--Performance

24(1) SOV/107-58-12-41/55

AUTHOR: Khabarov, Yu.

TITLE: An Acoustic Phase Inverter (Akusticheskiy fazoinvertor)

PERIODICAL: Radio, 1958, Nr 12, p 44 (USSR)

ABSTRACT: The author describes an acoustic phase inverter for improving the reproduction of loudspeakers at low frequencies, and working on the following principle: the loudspeaker is installed in a tightly sealed box with one aperture for the loudspeaker and another enclosed by a piece of tubing (Figure 1). The resilience of the air in the box and the mass of air in the tube form an oscillatory system, having its own mechanical resonance at a frequency f_o which loads the mobile system when the loudspeaker is working. The sound projection from the tube aperture corresponds in phase with that from the front of

Card 1/2

An Acoustic Phase Inverter

the diffusor at a frequency above f_0. The author gives two formulae for calculating the size of the box when all the other values are known:

$$V = S\left(\frac{c^2}{w_0^2} \cdot \frac{1}{\frac{16\sqrt{S}}{3\pi^{3/2}} + 1}\right)$$

where c= the speed of sound and w_0 = the angular velocity = $2\pi f_0$.

For practical purposes the following formula is used:

$$V = 16{,}45\, X \left(\frac{5.6 \cdot 10^4}{f_0} \cdot \frac{1}{0.96\sqrt{S} + 1} + 1\right)$$

Card 2/2

AUTHORS: Khabarov, Yu., Khokhlov, B. SOV/107-59-1-36/51

TITLE: The Acoustic Set with Volume-Sounding (Akusticheskiy Agregat s ob"yemnym zvuchaniyem)

PERIODICAL: Radio, 1959, Nr 1, p 41 (USSR)

ABSTRACT: The authors describe the design of a loudspeaker-cabinet made of plywood and containing a set of 6 loudspeakers reproducing the frequency range from 40 to 12,000 cycles. There is one set of diagrams.

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9(2) SOV/107-59-4-14/45

AUTHOR: Khabarov, Yu., Khokhlov, B.

TITLE: The Electronic Tuning of a Radio Receiver (Elektronnaya nastroyka radiopriyemnika)

PERIODICAL: Radio, 1959, Nr 4, pp 16 - 18 (USSR)

ABSTRACT: The change of capacitance of the p-n transition of a diode, which depends on the blocking voltage, permits the application of this diode as a tuning element. Figure 1 shows a circuit in which a diode is used as a tuning element. The authors investigated silicon diodes D808A-D813A which are well suitable for this purpose. The results of their investigations are shown in three graphs. High frequencies may cause certain resonance effects when using a diode, as a capacitor, in a circuit shown in Figure 1 and therefore the authors present another circuit, shown in Figure 4, where this effect has been eliminated. In case two or more circuits

Card 1/2

KHABAROV, Yu., inzh.; KHOKHLOV, B., inzh.

New circuit for automatic gain control. Radio no.4:45 Ap '63. (MIRA 16:3)
(Radio)

KHABAROVA, A., inshener.

Multiple shift operation in haulage tunneling. Mast.ugl. 2 no.10:10-11 O '53.
(MLRA 6:10)
(Tunneling)

ROGOV, A.Ya., inzh.; KHABAROVA, A.I., inzh.

Strength calculation of guides of hydraulic radial-flow piston engines with multiple action. Vest. mashinostr. 44 no.8:19-25 Ag '64. (MIRA 17:9)

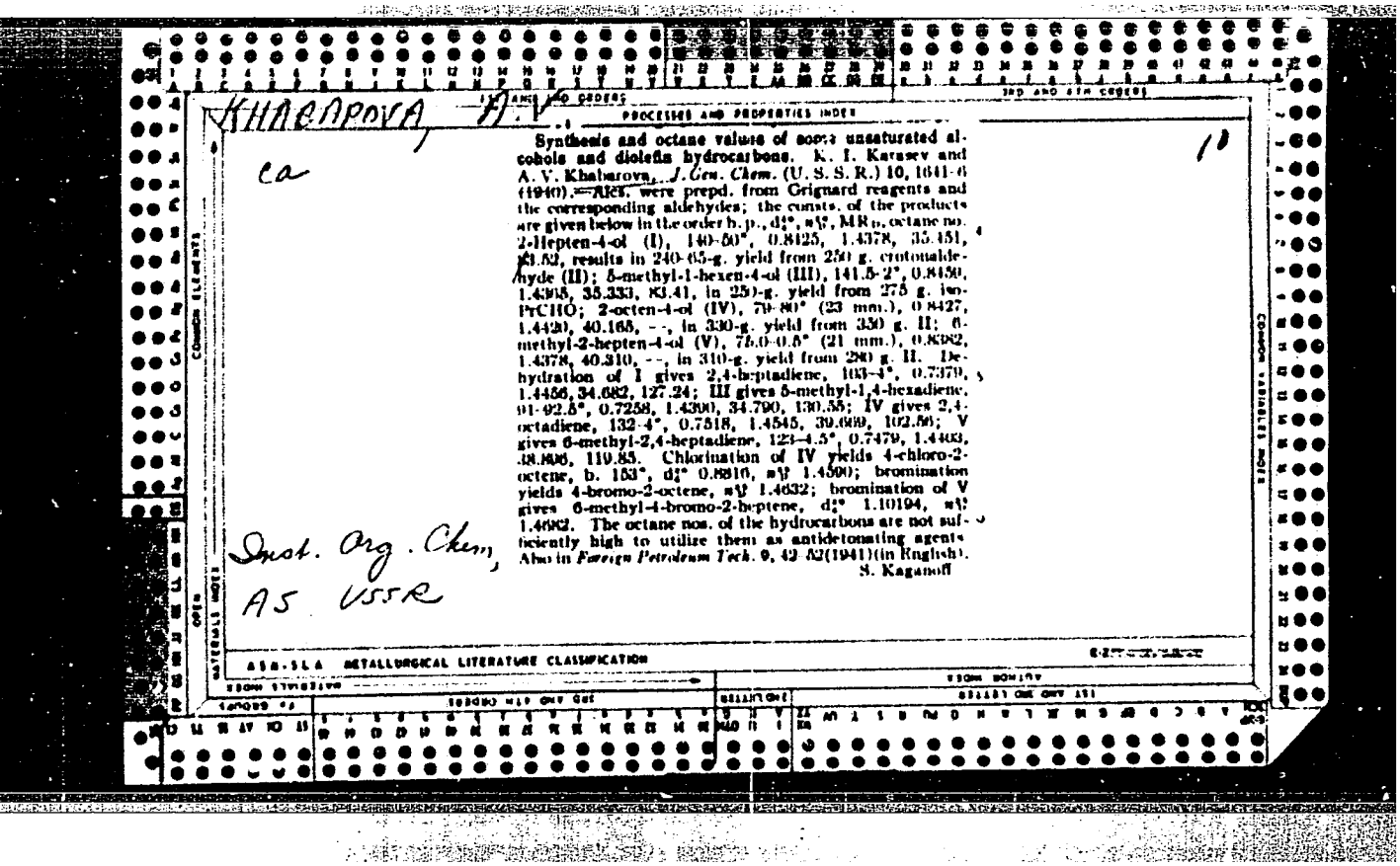
ROGOV, A.Ya., inzh.; KHABAROVA, [illegible]., inzh.

Profiling guides for multiple-action hydraulic engines. Vest. mashinostr. 45 no.1:52-56 Ja '65. (MIRA 18:3)

SLUCHANKO, E.G.; SEMENOV, B.V., gornyy inzh.-ekonomist; KHABAROVA, A.S., kand. ekonom. nauk

Efficiency of introducing the KM-100 hydraulic stoping complex. Ugol' 40 no.6:58-61 Je '65. (MIRA 18:7)

1. Glavnyy inzh. shakhty No.23 kombinata Karagandaugol' (for Sluchanko). 2. Shakhta No.23 kombinata Karagandaugol' (for Semenov). 3. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Khabarova).



KHARAPOVA, A.V.

ca

PROCESSES AND PROPERTIES INDEX

Synthesis and octane values of some unsaturated alcohols and diolefin hydrocarbons. K. I. Karasev and A. V. Kharapova. *J. Gen. Chem.* (U. S. S. R.) 10, 1641-6 (1940).—Alcs. were prepd. from Grignard reagents and the corresponding aldehydes; the consts. of the products are given below in the order b. p., d_4^{20}, n_D^{20}, MR$_D$, octane no. 2-Hepten-4-ol (I), 140-50°, 0.8125, 1.4378, 35.451, 81.82, results in 240-65-g. yield from 250 g. crotonaldehyde (II); 5-methyl-1-hexen-4-ol (III), 141.5-2°, 0.8450, 1.4395, 35.333, 83.41, in 250-g. yield from 275 g. iso-PrCHO; 2-octen-4-ol (IV), 79-80° (23 mm.), 0.8427, 1.4420, 40.165, --, in 330-g. yield from 330 g. II; 6-methyl-2-hepten-4-ol (V), 75.0-0.5° (21 mm.), 0.8382, 1.4378, 40.310, --, in 310-g. yield from 280 g. II. Dehydration of I gives 2,4-heptadiene, 103-4°, 0.7379, 1.4456, 34.682, 127.24; III gives 5-methyl-1,4-hexadiene, 91-92.5°, 0.7258, 1.4300, 34.790, 130.55; IV gives 2,4-octadiene, 132-4°, 0.7518, 1.4545, 39.689, 102.56; V gives 6-methyl-2,4-heptadiene, 123-4.5°, 0.7479, 1.4403, 38.806, 119.85. Chlorination of IV yields 4-chloro-2-octene, b. 153°, d_4^{20} 0.8816, n_D^{20} 1.4500; bromination yields 4-bromo-2-octene, n_D^{20} 1.4632; bromination of V gives 6-methyl-4-bromo-2-heptene, d_4^{20} 1.10194, n_D^{20} 1.4682. The octane nos. of the hydrocarbons are not sufficiently high to utilize them as antidetonating agents. Also in *Foreign Petroleum Tech.* 9, 42-52(1941)(in English).
S. Kaganoff

10

Inst. Org. Chem, AS USSR

A58-5L4 METALLURGICAL LITERATURE CLASSIFICATION

KHABANOVA, A.Ya.; KOLOSOV, N.G., zaveduyushchiy.

Sensory innervation of the human heart and that of some mammals. Trudy Inst. fiziol. 1:522-565 '52. (MLRA 6:8)

1. Laboratoriya morfologii. (Heart)

KHABAROVA, A.Ya.

Sensory auricular innervation in men and in mammals. Arkh anat., Moskva 29 no, 3:37-40 May-June 1952. (CLML 22:5)

1. Of the Department of Morphology (Head -- Prof. N. G. Kolosov, Corresponding Member AMS USSR), Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

Khabarova, A. Ya.

USSR/ Medicine - Histology

Card 1/1 Pub. 22 - 56/62

Authors : Khabarova, A. Ya.

Title : About the nature of pericapsular extremities

Periodical : Dok. AN SSSR 102/3, 629 - 631, May 21, 1955

Abstract : Histological data are presented regarding pericapsular extremities on the nerve cells of cardiac ganglia. The data were obtained through uni and bilateral removal of the first four dorsal spinal cord ganglia (Th_1-Th_4) (of cats) which appear to be the source of heart innervation. Three references: 2 USSR and 1 German (1908-1953). Drawing.

Institution : Acad. of Sc., USSR, The I. P. Pavlov Inst. of Physiol.

Presented by: Academician K. M. Bykov, January 17, 1955

KHABAROVA, A.Ya.

Afferent innervation of the epicardium of cardiac ventricles.
Dokl. AN SSSR 105 no.1:188-191 N '55. (MLRA 9:3)

1. Institut fiziologii imeni I.P. Pavlova Akademii nauk SSSR.
Predstavlena akademikom K.M. Bykovym.
(HEART--INNERVATION)

USSR/Human and Animal Morphology - (Normal and Pathological) S
Nervous System. Peripheral Nervous System.

Abs Jour : Ref Zhur Biol., No 6, 1959, 26101

Author : Khabarova, A.Ya.

Inst : Institute of Physiology, Academy of Sciences USSR

Title : Afferent Innervation of the Heart

Orig Pub : Avtoref. diss. dikt. biol. n., In-t fiziol. AN SSSR, L., 1958

Abstract : No abstract.

Card 1/1

Khabarova A.Ya

GDR/Human and Animal Morphology - (Normal and Pathological) S
Nervous System. Peripheral Nervous System

Abs Jour : Ref Zhur Biol., No 6, 1959, 26100

Author : Chabarowa, A.J.
Inst : -
Title : Experimental-Morphological Investigations of Afferent Innervation of Epicardium of Heart Ventricles.

Orig Pub : Jahrb. Morphol. und mikroskop. Anat., 1958, Abt. 2, 63, No 4, 571-580

Abstract : Vegetative as well as afferent nerve plexuses were discovered by silver impregnation according to Bilshovsky-Gross of epicardium of 3-4 week old goats. The latter becomes more intensively impregnated. Myelinated afferent fibers at first run together with the vegetative plexus, then they separate from it and form 10-12 and more bushlike endings. Receptory areas were discovered which consist of endings of several fibers but areas are

Card 1/2

KHABAROVA, A.Ya.

Afferent innervation of the heart. Trudy Inst. fiziol. 7:580-586 '58. (MIRA 12:3)

1. Laboratoriya morfologii (zav. - N.G. Kolosov). Instituta fiziologii im. I.P. Pavlova AN SSSR.
(HEART--INNERVATION)

KHARAROVA, A.Ya., Doc Biol Sci -- (diss) "Afferent innervation of the heart." Len, 1958, 27 pp (Acad Sci USSR. Inst of Physiology im I.P. Pavlov) 150 copies (KL, 27-58, 105)

KHABAROVA, A.Ya.

Structure of the afferent plexuses in the human and animal heart. Trudy Inst.fiziol. 8:589-597 '59. (MIRA 13:5)

1. Laboratoriya morfologii (zaveduyushchiy - N.G. Kolosov) Instituta fiziologii im. I.P. Pavlova AN SSSR.
(HEART--INNERVATION)

KHABAROVA, A.Ya; KOLOSOV, N.G., prof., otv. red.; PUKHAL'SKAYA, L.F., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Afferent innervation of the heart] Afferentnaia innervatsiia serdtsa. Moskva, Izd-vo Akad.nauk SSSR, 1961. 189 p. (MIRA 14:6)

1. Chlen-korrespondent AN SSSR (for Kolosov)
(HEART)

TAGER, A.A.; DREVAL', V.Ya.; KHABAROVA, K.G.

Viscosity of critical mixtures polymer - low molecular liquid. Vysokom. soed. 6 no.9:1593-1599 S '64. (MIRA 17:10)

1. Ural'skiy gosudarstvennyy universitet imeni Gor'kogo.

3c

L 21201-65 EPA(s)-2/EWT(m)/EPF(n)-2/EPR/EWP(t)/EPA(bb)-2/EWP(b) Ps-4/
Pad/Pt-10/Pu-4 IJP(c) JD/WW/HW/JG
ACCESSION NR: AP5000940 S/0136/64/000/012/0053/0056

AUTHOR: Rodyakin, V.V., Andreyev, A. Ye., Boyko, Yu.N., Vaynshteyn, G.M., Kargin, V.M., Brodskiy, E.Ye., Khabarova, N.P., Tkalich, V.S.

TITLE: Transportation of liquid metallic magnesium

SOURCE: Tsvetnyye metally, no. 12, 1964, 53-56

TOPIC TAGS: liquid magnesium, liquid magnesium transport, titanium production, magnesium contamination, vacuum ladle, nickel impurity

ABSTRACT: A special vacuum ladle was designed for the transportation of liquid magnesium which protects against reaction with nitrogen and oxygen and contamination by inclusions. The metal was sampled from the electrolytic cells, from the vacuum ladle and from the reactor, which is the route the magnesium followed, and the content of O, N, Cl, Fe, Si and Ni was determined in these samples. The content of all impurities except nickel dropped during the intake and transportation of the magnesium. The quality of the magnesium deteriorated when charged into the reactor, the nitrogen and oxygen contents in the samples having increased owing to poor air-tightness of the charging unit. The content of chlorine also increased. The magnesium was contaminated with nonmetallic

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L 21201-65
ACCESSION NR: AP5000940

inclusions mainly during the operations of sampling from the electrolytic cells and when pouring into the reducing reactors; the content of metallic impurities remained unchanged. To improve the sampling methods, and thus avoid contamination, further studies are to be directed toward excluding contact of the magnesium with the air, creation of a shielding atmosphere, and reduction of the number of operations associated with pouring the liquid magnesium from vessel to vessel. "Ye. V. Pirozhok, S.V. Yurchenko (deceased), I.P. Muntyanov, N. Yu. Sukhorukova, N.K. Bulanaya, N. Ya. Akhtemenko and A.M. Bragin also took part in the work." Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 01 SUB CODE: MM, IE

NO REF SOV: 001 OTHER: 000

Card 2/3

L 3975' 65 EWG(j)/EWT(m)/EPF(c)/EWP(t)/EPF(n)-2/EPR/EWP(b) Pr-4/Pa-4/Pu-4
IJP(c) JD

ACCESSION NR: AP4047423 S/0136/64/000/010/0045/0047

AUTHORS: Andreyev, A.Ye.; Rodyakin, V.V.; Vaynshteyn, G.M.; Kargin, V.M.; Brodskiy, E.Ye.; Boyko, Yu.N.; Tkalich, V.S.; Khabarova, N. P.

TITLE: Changes in magnesium quality during the refining process

SOURCE: Tsvetny*ye metally*, no. 10, 1964, 45-47

TOPIC TAGS: nitrogen, oxygen, chlorine, impurity, magnesium, flux refinement, recovery, transport

ABSTRACT: The method of oxygen and nitrogen control in magnesium was used to assess the effectivity of removing admixtures. Flux refining was employed and specimens taken from two cells of each electrolyzer as well as before and after refining and 15 to 20 min settling. The quality of refined Mg did not differ substantially from that of the crude ore. The amounts of Fe in Mg changed neglibility and the higher content in the crude product was attributed to the drastic temperature drop that accompanies the transport of the metal to the refining furnaces. Neither did chlorine undergo any major changes and the proposed process did not affect the quality

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L 39759-65

ACCESSION NR: AP4047423

0

of the metal with respect to chlorine. Thus, the authors were able to retain the original level of oxygen and nitrogen in Mg by combining the proper temperature conditions with flux refining and settling time. The combined refining process is recommended until the transport of crude Mg is improved at which time it will become possible to use crude Mg as a reducing agent. Orig. art. has: 1 table and 1 figure.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: MM

NR REF SOV: 006 OTHER: 002

Card 2/2

RODYAKIN, V.V.; ANDREYEV, A.Ye.; BOYKO, Yu.N.; VAYNSHTEYN, G.M.; KARGIN, V.M.; BRODSKIY, E.Ye.; KHABAROVA, N.P.; TKALICH, V.S.; Prinimali uchastiye; PIROZHOK, Ye.V.; YURCHENKO, S.V. [deceased]; MUNTYANOV, I.P.; SUKHORUKOVA, N.Yu.; BULANAYA, N.K.; AKHTEMENKO, N.Ya.; BRAGIN, A.M.

Handling of molten metallic magnesium. TSvet. met. 37 no.12: 53-56 D '64. (MIRA 18:2)

KHABAROVA, O.Ye.; ZASYPKIN, V.A.; SEMENOV, A.Ye.; PODSECHINOV, A.V. [deceased]

Characteristics of smelting and casting of the VAD23 alloy. Alium. splavy no.3:201-208 '64. (MIRA 17:6)

KHABAROVA, S.A. (g. Ozery Moskovskoy oblasti)

Work of young chemists in the school experimental garden. Khim.v shkole 9 no.3:63-66 My-Je '54. (MLRA 7:6)
(School gardens) (Fertilizers and manures)

KHABAROVA, T.N.

Ostracoda from middle Jurassic deposits in Saratov Province and northern districts of Stalingrad Province. Trudy VNIGRI no.84:191-199 '55. (MLRA 9:2)
(Saratov Province--Ostracoda, Fossil)(Stalingrad Province--Ostracoda, Fossil)

IVANOVA, A.E.; KHABAROVA, T.N.; VOYTENKO, K.M.

Basis of the stratigraphic subdivisions of the Jurassic and Cretaceous of Saratov Province (Volga Valley portion of Saratov Porvince and the northwestern part of the Caspian Lowland). Trudy VNIGNI no.29:72-84 '61. (MIRA 14:7)
(Saratov Province--Geology, Stratigraphic)

BARYSHNIKOVA, V.I.; IVANOVA, A.N.; MOROZOV, N.S.; KHABAROVA, T.N.

Stratigraphy of the upper Cretaceous sediments of the Volga Valley portion of Saratov and Stalingrad Province. Trudy VNIGNI no.29:110-119 vol.3 '61. (MIRA 14:9)
(Volga Valley--Geology, Stratigraphic)

KHABAROVA, T.N.

Jurassic microfauna of Saratov Province. Trudy VNIGNI no.29:177-184 [illegible].3 '61. (MIRA 14:9)
(Saratov Province--Micropaleontology)

EVENTOV, Ya.S.; BEZBORODOV, R.S.; GRINFEL'D, M.I.; IVANOVA, A.N.; MOVSHOVICH, E.B.; KHABAROVA, T.N.

Data on the geology and oil and gas potentials of southern Astrakhan Province and adjacent areas of the Kalmytskaya A.S.S.R. Trudy VNIGNI no.30:293-319 '61. (MIRA 14:9)
(Astrakhan Province--Petroleum geology)
(Astrakhan Province--Gas, Natural--Geology)
(Kalmytskaya A.S.S.R.--Petroleum geology)
(Kalmytskaya A.S.S.R.--Gas, Natural--Geology)