VASIN, A.V., kand. veter. nauk

Experimental analysis of the mechanisms of allergical reactivity in tuberculosis. Sbor. nauch. rab. Sar. NIVS 6:3-46 '63. (MIRA 18:11)

VASIN, A.V., kand. veter. nauk; KVITKIN, Yu.P., kand. biolog. nauk

Immunogenic properties of the protein fractions of antianthrax serum. Sbor. nauch. rab. Sar. NIVS 6:70-72 '63. (MIRA 18:11)

VASIN, A.V., kand. veter. nauk; KVITKIN, Yu.P., kand. biolog. nauk

Rapid methods for detecting alkaloids in biological materials. Sbor. nauch. rab. Sar. NIVS 6:185-194 '63.

Mechanism of the stimulating action of antibiotics on the weight gain in poultry. Ibid.:195-206

Disease in cattle due to an excessive eating of corn. Ibid.:207-212

Kalidium foliatum poisoning of cattle. Ibid.:213-215
(MIRA 18:11)

VASIN, B. N., tr.

Dairy herd breeding. Perevod s angliiskogo B. N. Vasina, pod red. prof. I. S. Popova. Moskva, Gos. izd-vo 1924. 265 p.

VASIN, B.N.

New species of the grey vole (Microtus sachalinensis sp.n.) from Sakhalin. Zoolzhur. 34 no.2:427-431 Mr-Ap '55. (MLRA 8:6)

1. Sakhalinskiy filial Akademii SSSR.
(Sakhalin--Field mice)

VASIN, B.N.; LEPIN, T.K.; EFROIMSON, V.P.

"Basic problems of Michurin genetics" by N.I.Feiginson. Reviewed by B.N.Vasin, T.K.Lepin, V.P.Efroimson. Biul.MOIP.Otd.biol. 61 no.4: 95-105 Jl-Ag '56. (MLRA 10:8)
(GENETICS) (FEIGINSON, N.I.)

VASIN, B.M.

New data on the northern fur seal and sea otter. Biul.MOIP. Otd. biol. 61 no.6:122 N-D '56. (MIRA 10:8)
(PACIFIC OCEAN--FUR-BEARING ANIMALS)

VASIN, B. N.,

"Fur Seals and Sea Otters in Waters of the Okhotsk Sea and the Pacific Ocean," Oceanographic Research of the Northwestern Part of the Pacific Ocean, Moscow, Izd-vo AN USSR, 1958. (The articles discusses conditions of life and the migration of seals [Callorhinys ursinus] and otters [Enhydra lutris] in the Soviet Pacific).

COVERAGE: This collection of articles reports are the results of observations made in the Pacific by the Institute of Oceanology of the Academy of Sciences, USSR. In 1949, the Institute launched a systematic five-year program of scientific exploration of certain hydrographic peculiarities of the Soviet Pacific area. The operations were carried out as a "Complex Oceanographic Expedition," using the motorboat Vityaz' as its base. The Expedition worked in collaboration with the Hydrographic Institute of the Soviet Navy (VMS), the Pacific Institute of Piscatology and Oceanography and some 40 other institutes of the Academy of Sciences. Between 1949 and 1954, 18 trips were made, covering about 130,000 miles. Among the subjects of direct concern were: meteorology, hydrology, oceanography, hydrochemistry, sedimentation, geography of the littoral, geology and contours of the sea bottom, fauna plankton, microbiology, and gravimetry. Twenty-eight authors contributed to the collection which consists of 27 articles.

VASIN, B.N.

Northern fur seal and sea otter in the waters of the Okhotsk Sea and Pacific Ocean. Trudy Okean. kom. 3:128-129 '58. (MIRA 11:8)
(Far East--Seals(animals))
(Far East--Sea otter)

19(3)
3(5)

SOV/12-91-3-7/14

AUTHOR: Vasin, B.N.

TITLE: The Zavaritskiy Caldera on the Simushir Island

PERIODICAL: Izvestiya VGO, 1959, Vol 91, Nr 3, pp 268-271 (USSR)

ABSTRACT: The author spent 3 days in the area of the Zavaritskiy caldera on the Simushir island (4646 to 4710N - 15142 to 15217E). He studied the area from the standpoints of geology, zoology and botany. The diameter of the Zavaritskiy caldera is about 7 km. The peaks of the mountains surrounding it are 500 to 600 m. Another crater having irregular form, about 3 km long and 2 km wide, is located almost exactly in the middle of the huge caldera. This second crater also has a lake in it, called Biryuzovoye ozero, covering about 5 km^2, characterized by a clear emerald-turquoise color caused by sulphur. The depth of the lake is about 47 m. There are hot spots near the South edge of the lake. A third crater, 100 m in

Card 1/2

The Zavaritskiy Caldera on the Simushir Island

diameter, is situated in the East part of the Biryuzovoye lake, in a peninsula. There is a cone, about 10 m high, in the middle of the little lake located in the interior of the third crater. About 200 or 300 m to the North of that peninsula there is another island, about the same size, surrounded by about a 10 m wide moat. This island did not appear on the maps. The author finishes by stating that the huge Zavaritskiy caldera is an active volcano. There are 2 photos.

Card 2/2

VASIN, F.I. Prinimal uchastiye ANDREYEV, F.I.; CHERNUSHEVICH, V.A., inzh., retsenzent

[Characteristics of the accounting, calculation, and analysis of the cost of casting] Osobennosti ucheta, kal'kulirovaniia i analiza sebestoimosti otlivok. Moskva, Izd-vo "Mashinostroenie," 1964. 90 p. (MIRA 17:7)

VASIN, G.

Machines are counting. Grazhd. av. 21 no.9:27 S '64. (MIRA 17:10)

1. Vedushchiy inzh. nauchno-issledovatel'skogo otdela VAU Aeroflota.

VASIN, G.

Machine milking. Nauka i pered. op. v sel'khoz. 8 no.9: 28-29 S '58. (MIRA 11:10)

1. Direktor pavil'ona "Mekhanizatsiya v zhivotnovodstve," Vsesoyuznaya sel'skokhozyaystvennaya vystavka.
(Milking machines)

VASIN, G.D.;NECHAYEVA, Ye.G.,redaktor; GALLOD, A.I., tekhnicheskiy redaktor

[Stockraising farms; a guidebook] Zhivotnovodcheskie fermy; putevoditel'. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 31 p. (MIRA 9:8)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
2. Direktor razdela kolkhoznykh zhivotnofodcneskikh farm (for Vasin)
(Moscow--Agricultural exhibitions)

ALEKSEYEV, N.A.; ASLANOV, A.N.; VASIN, G.D.; VORONINA, Ye.P.; GRIGORENKO, G.P.; GRUSHIN, F.Ye.; DEPARMA, V.N.; DRESVYANNIKOVA, D.F.; DUBININA, K.F.; KITAYEV, I.Ye.; KULIKOV, N.N.; MANUKOV, N.P.; MEL'NIKOV, A.I.; REZNOV, I.P.; PESTRYAKOV, A.I., redaktor; PAVLOVA, M.M., tekhnicheskiy redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Mechanization and electrification at the All-Union Agricultural Exhibition; 1956 guidebook] Mekhanizatsiia i elektrifikatsiia na Vsesoiuznoi sel'skokhoziaistvennoi vystavke; putevoditel', 1956. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 305 p. (MLRA 10:3)
(Moscow--Agricultural machinery--Exhibitions)

VASIN, G.G., insh.

Kinematics and dynamics of a pulsator mechanism for inertia stageless torque converters of tractors. Sbor.st.CHPI no.13: 57-67 '59. (MIRA 13:4)
(Tractors--Transmission devices)

VASIN, G.G.

25(2);10(4) P4 PHASE I BOOK EXPLOITATION SOV/3301

Chelyabinsk. Politekhnicheskiy institut

Raschet i konstruirovaniye mashin (Design and Construction of Machines) Moscow, Mashgiz, 1959. 78 p. (Series: Its: Sbornik statey, vyp. 13). 4,000 copies printed.

Sponsoring Agency: Ministerstvo vysshego obrazovaniya SSSR.

Reviewers: S.A. Bybin, Engineer; G.A. Mendeleyev, Engineer; G.E. Paley, Candidate of Technical Sciences; A.P. Trofimov, Engineer; Ye.M. Kharitonchik, Candidate of Technical Sciences; and Kh.I. Shvartsman, Engineer; Ed.: V.I. Sayapin, Candidate of Technical Sciences; Tech. Ed.: N.A. Dugina; Exec. Ed. (Ural-Sibirian Division, Mashgiz): T.M. Somova, Engineer.

PURPOSE: This book is intended for technical and scientific personnel in the field of the design and construction of machines.

COVERAGE: This is a collection of articles written by scientific personnel of the Chelyabinsk Polytechnical Institute. They

Card 1/4

deal with various problems in the design and construction of sub-assemblies and mechanisms of internal combustion engines, automotive transmissions, hydraulic and other machines. No personalities are mentioned. References accompany each article.

TABLE OF CONTENTS:

Design and Construction (Cont.)

characteristics with a constant opening of the guide apparatus and a constant number of revolutions per minute. Under these conditions cavitation develops at a lower head than when other methods are used.

Vasin, G.G., Engineer. Some Problems of Kinematics and Dynamics of the "Impulsator" in an Automotive Inertia-type Stepless Torque Converter 57

The author presents kinematic and dynamic analysis of the "impulsator" mechanism of the new automotive inertia-type stepless torque-converter developed at the Chelyabinsk Polytechnical Institute under the direction of M.F. Balzhi.

Vasin, G.G., Engineer. Principles of Designing the "Impulsator" Mechanism of an Automotive Inertia-type Stepless Torque Converter 68

The author describes basic conditions which determine the selection of a method for designing the impulsator and determines basic relationships between impulsator parameters.

AVAILABLE: Library of Congress

VK/jo
4-29-60

Card 4/4

VASIN, G.G., insh.

Designing a pulsator mechanism for inertia stageless torque converters for tractors. Shor.st.CHPI no.13:68-79 '59.
(MIRA 13:4)

(Tractors--Transmission devices)

S/145/60/000/006/002/007
A161/A026

AUTHOR: Vasin, G.G., Senior Teacher

TITLE: Selecting the Impulse Mechanism Parameters for Inertia Type Continuously Variable Torque Converters

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. - Mashinostroyeniye, 1960, No. 6, pp. 25 - 34

TEXT: Many institutes, research organizations and industrial works are trying to solve the problem of automatic continuously variable transmission, either hydraulic, electrical, or mechanical. A mechanical one has been developed at the Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnical Institute) under the guidance of M.F. Balzhi, and was described in (Ref. 1). The first torque converter is under test in a C-100 (S-100) tractor at Chelyabinskiy traktornyy zavod (Chelyabinsk Tractor Works). The design principle (Fig. 1) is briefly described. It includes two flywheels on the input and output shaft, two eccentrics, two "avtologs" ("autologs"), two idle-run clutches and a brake. The impeller assembly group consists of one flywheel (1), two rods (2) and weights (3). The impeller is one of the most important elements in the system, and the purpose of the article is to explain in full detail to designers how to select its linear,

Card 1/2

S/145/60/000/006/002/007
A161/A026

Selecting the Impulse Mechanism Parameters for Inertia Type Continuously Variable Torque Converters

dynamic and kinematic parameters. It is mentioned that the impeller resembles to a certain degree that of the Spontan -type transmission. There are 9 figures and 3 Soviet references.

ASSOCIATION: Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnical Institute)

SUBMITTED: September 14, 1959

Figure 1:

Diagram showing principle of converter.

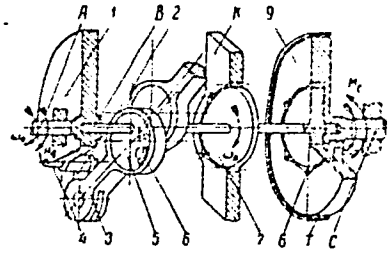


Рис. 1. Принципиальная схема трансформатора

Card 2/2

VASIN, G.G., starshiy prepodavatel'

Experimental investigation of the motion of shafts of an inertia torque converter. Izv.vys.ucheb.zav.; mashinostr. no.2:74-80 '61. (MIRA 14:3)

1. Chelyabinskiy politekhnicheskiy institut.
(Shafting)

VASIN, G.G., starshiy prepodavatel'

Synthesis of a two-crank four-bar linkage. Izv.vys.ucheb.zav.; mashinostr. no.11:40-49 '61. (MIRA 14:12)

1. Chelyabinskiy politekhnicheskiy institut.
(Links and link motion)

VASIN, G.G., inzh.

Unit for experimental investigation of the motion of shafts of an inertia torque converter. Vest.mash. 41 no.3:24-27 Mr '61. (MIRA 14:3)

(Shafting--Testing)

S/145/62/000/002/003/009
D262/D308

AUTHORS: Balzhi, M.F., Candidate of Technical Sciences, Docent, and Vasin, G.G., Senior Lecturer

TITLE: The effect of the linear parameters of the impulsator on some work factors of the inertial torque converter

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye, no. 2, 1962, 23 - 28

TEXT: The paper is a continuation of a previous one by G.G. Vasin. The effect of the linear parameters of the impulse mechanism on the character of the shaft motion is investigated. The following converter factors are taken into account: 1) Variation of rotation of the leading shaft, when the reactor is at rest for various speeds of the motor. 2) Variation of rotation and synchronization of movement of all shafts (direct drive) for various speeds. 3) Variation of rotation of the leading and driven transmission shafts for various gear ratios and constant speed. 4) Motion curve of reactor for constant speed and various gear ratios. 5) Characteristic boundary points on the reactor motion curves defining the transitional opera-

Card 1/2

The effect of the linear ...

ting conditions inside the cycle. It is stated that the experimental results agree fully with the theoretical ones. There are 1 table and 7 figures.

ASSOCIATION: Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnic Institute)

SUBMITTED: November 22, 1960

Card 2/2

VASIN, G.G., inzh.

Determining optimum geometrical parameters of a four-bar double-crank linkage. Vest.mashinostr. 42 no.5:40-44 My '62.
(MIRA 15:5)
(Links and link motion)

VASIN, G.G., kand. tekhn. nauk, dotsent; POLYAKOV, A.P., starshiy prepodavatel'

Kinematics and dynamics of basic elements of an automatic variable-speed gear transmission. Izv. vys. uchob. zav.: mashinostr. no.3:79-87 '64.

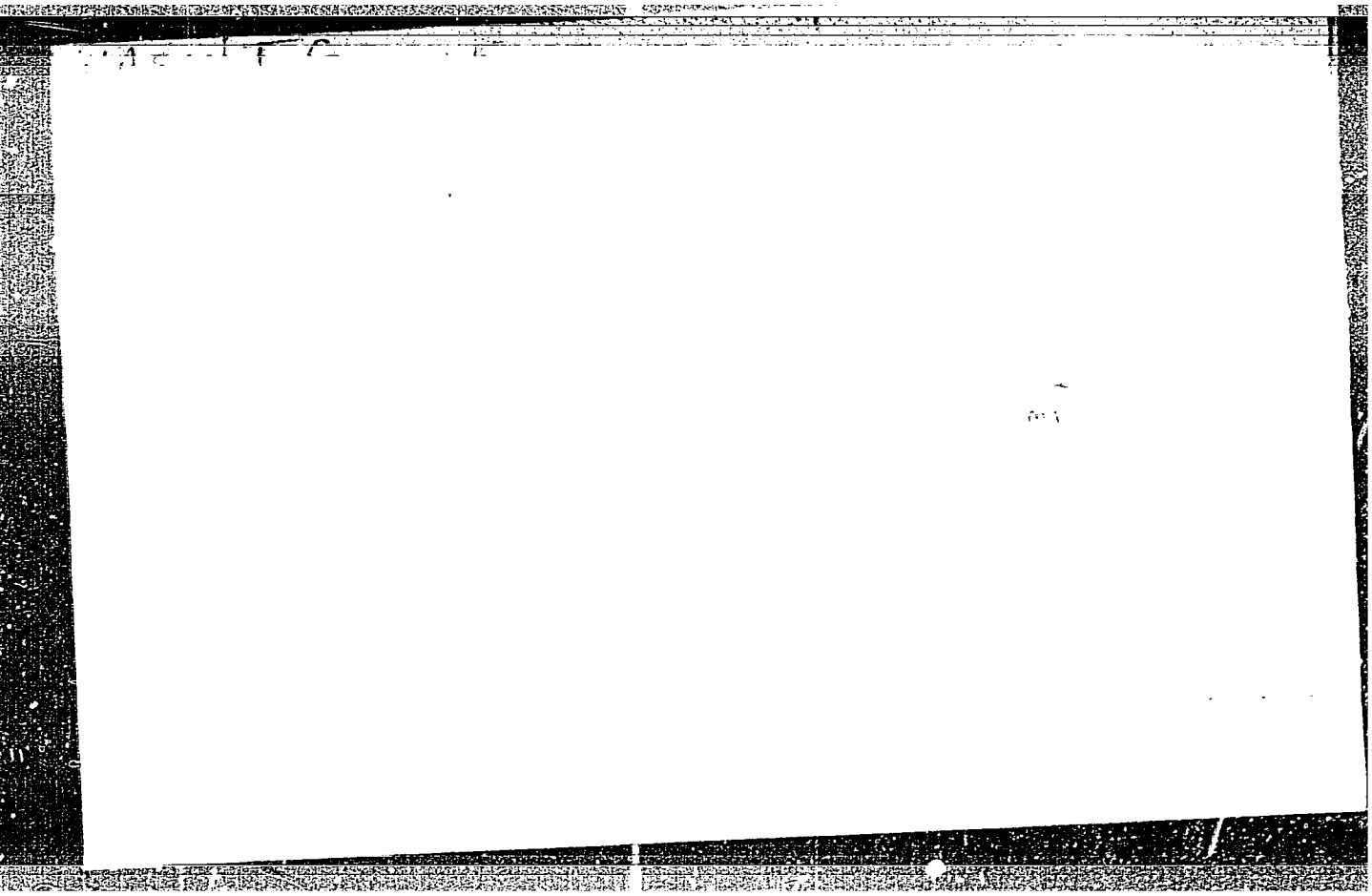
1. Chelyabinskiy politekhnicheskiy institut.

VASIN, G.G., kand. tekhn. nauk, dotsent; BAZHENOV, S.P., aspirant

Effect of linear parameters of an impulse starter on contact stresses in the free-wheel mechanism of an inertia torque converter. Izv. vys. ucheb. zav.; mashinostr. no.5:43-48 '65. (MIRA 18:11)

BORISOV, I., kand.ekonom.nauk; VASIN, S., inzh.

By airplanes of all types. Grazhd. av. 22 no.6.25 Je '65.
(MIRA 18:6)



SOV/70-3-6-24/25

AUTHORS: Yaroslavskiy, M.I., Pozdnyakov, P.G. and Yasin, I.G.

TITLE: On the Form of the Oscillations of Doubly-convex Quartz Lenses of the AT Cut (O forme kolebaniy dvoyakovypuklykh kvartsevykh linz sreza AT)

PERIODICAL: Kristallografii, 1958, Vol 3, Nr 6, pp 763-4 + 1 plate (USSR)

ABSTRACT: A quartz lens cut from an AT-cut slice of quartz was used as a piezo-electric resonator. The radius of curvature was 250 mm (each face), the axial thickness 8.7 mm and the square of side 82.5 mm was further trimmed by a circle of diameter 89 mm. The fundamental frequency was 212.6 kc/s and excitation was by electrodes applied simply to the curved surfaces. The lens was supported by four wires soldered to the edge at points 45° away from the X and Z' axes. Dust figures (Chladny figures) formed in lycopodium powder were examined. There was always a nodal line perpendicular to the X-axis and as a first approximation oscillations were pure shear waves propagated along the X-axis (electric axis). It is deduced that the supporting wires should be fastened at two points at opposite ends of the nodal line lying along the Z'-axis. "Outline" oscillations at 53.8 kc/s can also

Cardl/2

On the Form of the Oscillations of Doubly-convex Quartz Lenses of the At Cut

be easily excited. Here the nodal lines form a right-angled cross along the X- and Z'-axes. Oscillators operating in such a mode may have considerable (unstated) advantages. Acknowledgments to Ye.D. Novgorodov, I.S. Zheludev and A.I. Tiranov. There are 4 figures and 1 Soviet references.

SUBMITTED: July 23, 1958

USCOMM-DC-60.609

20-119-3-22/65

AUTHORS: Vasin, I. G., Pozdnyakov, P. G., Yaroslavskiy, M. I.

TITLE: A Precision Quartz Resonator of High Quality and Small Temperature Dependence of Frequency (Pretsizionnyy kvartsevyy rezonator s vysokoy dobrotnost'yu i maloy temperaturnoy zavisimost'yu chastoty)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 3, pp. 481-483 (USSR)

ABSTRACT: In the USSR in recent years resonators with very high Q (until 17.10^6) were developed, the quartz element of which consisted of a biconvex polished nonmetallized lens in a holder with air interspace (refs. 5-8). These resonators, however, have only a very low mechanical stability. A further particularity of these resonators in the quite high equivalent active resistance R_q (at least 100 ohm). This complicates their application in such generators, which are installed in a circuit with low-frequency bridge. In the precision quartz resonator, which was developed by the authors, a biconvex lens with AT-cut was used. For the increase of the resistance of the resonator against external mechanical

Card 1/3

influences the crystal was fixed by wire strings (which in two points were soldered on to the front faces of the lens). The electric voltage was conducted to electrodes, which directly were applied upon the surface of the quartz element. The wire strings simultaneously served as lead-in wires. The gold electrode was applied by sublimation in vacuum upon a chromium base, which was applied in the same way. Such a construction made possible a reduction of the equivalent active resistance of the resonator to from 2 to 6 ohm. By means of several experiments the following was found: Very high electric parameters can be obtained, if lenses with 31.5 mm diameter and with 150 mm radius of curvature are used. In this case no limitation to circular lenses is necessary. By application of square lenses valuable quartz material can be saved and by a correct choice of the parameters a constancy of the parameters of the resonator in a given temperature interval can be obtained. In most resonators of the here described type no polished, but only cut crystals were used. Already with such a treatment resonators with a factor of merit of at least 2.10^6 were obtained and in some cases values of (5 to 6).10^6 were reached. By polishing the

. A Precision Quartz Resonator of High Quality and Small Temperature Dependence of Frequency 20-119-3-22/65

quartz elements values of (7 to 9).10^6 were reached. The lowest temperature coefficients of the frequency were obtained in resonators with quartz elements, which have a certain here given shape and here given dimensions, whereby the cut angles are YX1/35°03' to YX1/35°04'. The typical temperature frequency characteristics of the resonators of the here described type are illustrated by a diagram. The thus constructed resonators were encased in helium filled glass flasks ($\sim$5 torr). The concrete values of the parameters of some resonators are composed in a table. A more exact investigation of the aging of the resonators still lies ahead. There are 3 figures, 1 table, and 7 references, 4 of which are Soviet.

PRESENTED: November 15, 1957, by A. V. Shubnikov, Member, Academy of Sciences, USSR

SUBMITTED: November 5,1957

AVAILABLE: Library of Congress

Card 3/3

S/887/61/000/000/066/069
E202/E155

AUTHOR: Vasin I.G.

TITLE: Method of deposition of silver coatings on a surface of quartz plates.
A.c. no.107572, cl.21a, 10 (z.no.557811 of September 19, 1956)

SOURCE: Sbornik izobreteniy; ul'trazvuk i yego primeneniye. Kom. po delam izobr. i otkrytiy. Moscow, Tsentr. byuro tekhn. inform., 1961, 101.

TEXT: A method of silver-coating the surfaces of quartz plates, which may also be used to deposit this metal on the surfaces of other materials, such as mica, glass, ceramics, plastics etc., is described. Deposition is carried out by precipitating silver, which is reduced from solutions of its salts, while simultaneously applying ultrasonic vibrations to the said silver solutions. The process of silvering quartz plates consists of the following. Quartz plates are first ground and polished, and prior to the treatment are subjected for a short period to etching in hydrofluoric acid or in an aqueous solution of calcium fluoride. Then the plates are washed in boiling distilled water and even more complete

Card 1/2

cleaning is achieved by subjecting the silver solution, with the plates submerged in it, to the action of intensive ultrasonic vibrations for a few minutes. The residues of all conceivable impurities are thereby removed. Afterwards a reducing agent is poured into the silver solution and the action of the ultrasonic vibrations is continued. The reduced metallic silver deposits itself as a fine film on the surface of the quartz plates. This film is very strongly keyed to the crystalline surface and has a very dense structure. In contrast to the existing methods of silver precipitation from solutions of its salts, in which particles of silver of different degrees of cohesion appear on the surfaces of the silvered objects, the present method deposits only those particles whose bonding is higher than a certain determined value, which is fixed by the intensity of the ultrasonic vibrations. The use of the present method permits depositing firm silver films on finely-ground and polished quartz plates, and thus improves the frequency stability of quartz oscillators.

[Abstracter's note: Complete translation.]

34734
S/070/62/007/001/020/022
E192/E382

9,2180 (1063, 1142, 1331)

AUTHORS: Vasin, I.G., Pozdnyakov, P.G., Khramov, L.V. and Yaroslavskiy, M.I.

TITLE: Quartz resonators with slotted piezo-elements

PERIODICAL: Kristallografiya, v.7, no. 1, 1962. 150 - 152

TEXT: At audio and ultrasonic frequencies it is often necessary to employ quartz resonators having a low temperature-frequency coefficient, a high quality factor, a low resonance impedance and, in some cases, a wide resonance range which can be achieved at comparatively small values of the capacitance ratio C_o/C_K. Such resonators are required, in effect, to combine the merits of the resonators with rod-type piezo-elements and the resonators with twin (bimorphous) elements without having their disadvantages. The authors designed (Ref. 3: Author's Certificate no. 123573, July 28, 1959), prepared and investigated a piezo-element of this type satisfying the above requirements. This is achieved by cutting narrow cavities (slots) in resonator plates or rods, the surface of the slots being parallel to the edges of the plates or the

Card 1/3

rods. Thin metal coatings, used as electrodes, can be deposited on the surface of the slots. In this way, the problem of producing a crystal piezo-element with one or several internal electrodes is solved. The electric field applied between the internal and external electrodes has opposite directions, so that linear deformations of opposite signs are induced in the element. These result in its bending in the plane parallel to the edges. In this case, the piezo-element with a slot is analogous to a twin element and, consequently, it has a low electrical impedance. On the other hand, by using rods of the XYt/α^{o} cut, whose temperature-frequency characteristics are in the shape of parabolas whose apex can easily be controlled by changing the angle α^{o} of the cut and by suitably arranging the slots (as shown in the figure), the disadvantages of the rod-type resonators can be elimin..ed (i.e. the inherent high values of R_K and L_K are reduced). Further, due to the large reduction in the equivalent inductance of the resonator, its resonance range is significantly increased. It is also

pointed out that the frequency coefficients of a slotted piezo-element are slightly reduced due to the fact that its bending strength is decreased. Due to the low resonance impedance of slotted resonators their oscillatory tendency is greatly increased in comparison with the solid piezo-elements of the same dimensions.

There are 1 figure, 1 table and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc.

SUBMITTED: June 8, 1960 (initially)
July 31, 1961 (after revision)

ACC NR: AP6035850 (A,N) SOURCE CODE: UR/0413/66/000/020/0058/0058

INVENTOR: Pozdnyakov, P. G.; Vasin, I. G.

ORG: none

TITLE: A method of regulating the frequency-temperature characteristics of crystal-controlled resonators. Class 21, No. 187092

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 58

TOPIC TAGS: resonator, piezoelectric crystal , temperature characteristic, frequency characteristic, nonelectric regulator , high temperature coating

ABSTRACT: An Author Certificate has been issued for a method of regulating the frequency-temperature characteristics of crystal-controlled resonators. To adjust the top position of the frequency-temperature curve, a coating is either applied or removed from the surface of the piezoelectric crystal at the region of maximum stress at the fundamental frequency. The coating consists of a material with a high temperature coefficient of the modulus of elasticity.

SUB CODE: 09/ SUBM DATE: 15Mar65/

Card 1/1 UDC: 621.372.412

S/137/61/000/007/024/072
A060/A101

AUTHORS: Bursin, A. V.; Vasin, I. I.

TITLE: Conditions for obtaining a steady state while rolling thin-walled angle profiles

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 7-8, abstract 7D45 ("Sb. nauchn.-tekhn. tr. N.-i. in-t metallurgii Chelyab. sovnarkhoza", 1960, no. 2, 95-102)

TEXT: In this work an analytic method is derived, for the first time, for calculating the parameters of the strain seat during rolling of angle profiles, the roll diameters at the gripping instant, length of the strain seat, the reduction of the edges at the time of deformation, and the distribution of reductions among the rolls. The main factor determining the stable position of the profile in the gripped wedge of the roll is l_d/l_{grip} where l_d is the length of the deformation curve, l_{grip} is the total length of the bending curve of the edges. Increase in the absolute reduction of the edges of the angle in the planishing stand and a reduction in l_{grip} leads to a more stable position of the profile relative to the roll. Experimental rollings of thin angle profiles in existing

Card 1/2

S/137/61/000/007/024/072
A060/A101

Conditions for obtaining a steady state ...

mills have shown that their productivity is reduced as compared to rolling of ordinary angle profiles and that the quality is reduced, mainly on account of the deterioration of the stability conditions of the equilibrium of the profile in the rolls.

A. Bulanov

[Abstracter's note: Complete translation]

Card 2/2

S/137/62/000/003/077/191
A006/A101

AUTHORS: Bursin, A.V., Vasin, I.I., Vysokovskiy, S.N.

TITLE: Determining the moment of rolling, depending on the position of the resultant of metal pressure on rolls

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 2, abstract 3D8 ("Sb. nauchno-tekhn. tr. N.-i. in-t metallurgii Chelyab. sovnarkhoza", 1961, no. 3, 97 - 103)

TEXT: A formula is derived which makes it possible to calculate the values of the arm of the resultant of metal pressure on the rolls, depending on various parameters of the rolling process. With the aid of this formula it is possible to analyze the effect of various factors during rolling upon the position of the resultant; the formula, moreover, makes it possible to determine more accurately the necessary power of motors when designing new rolling mills and when setting-up reduction conditions for existing mills. A method is suggested of determining the friction coefficient from experimental data of values of metal pressure on the rolls and the moment of rolling.
[Abstracter's note: Complete translation] K. Ursova

Card 1/1

BURSIN, A.V.; GLADKOVSKIY, V.A.; VYSOKOVSKIY, S.N.; VASIN, I.I.

Disk dynamometer for measuring forces in rolling mills. [Sbor. trud.] Nauch.-issl.inst.met. no.4:115-118 '61. (MIRA 15:11)

(Rolling mills—Testing)
(Dynamometer)

S/119/63/000/001/014/016
D201/D308

AUTHORS: Vasin, I.I., Vysokovskiy, S.N. and Ramiev, G.G.

TITLE: Stress and pressure gauge

PERIODICAL: Priborostroyeniye, no. 1, 1963, 28

TEXT: The described pressure and stress gauge is a steel cylinder with a single layer of bifilar tension sensitive wire at its side. The wires are cemented together and to the surface of the cylinder, either with БФ-2 (BF-2) glue or with a silicon compound. To obtain a better stress or pressure distribution a small hole is drilled in the cylinder wall. Experiments have shown good stability, reliability and interchangeability of the gauge. The gauges of the above type have the following characteristics: resistance R = 200 ohms, wire diameter d = 0.1 mm; cylinder diameter D = 22.5 mm, height H = 46 mm, maximum rated gauge load 12 t. The gauge has a linear response and no hysteresis after 20 cycles of severe overloading. There is 1 figure.

Card 1/1

VASIN, I.I.

[illegible]

L 10315-66 EWT(m)/EWP(j)/T/EWP(t)/EWP(b)/ETC(m) JD/WW/DJ/RM

ACC NR: AP5023993 SOURCE CODE: UR/0113/65/000/009/0037/0039

AUTHOR: Vasin, I. I.

ORG: Central Factory Laboratory of the Likinsk Bus Factory (Tsentral'naya zavodskaya laboratoriya Likinskogo avtobusnogo zavoda)

TITLE: Plastic coating of parts by the whirlwind spray-coating method

SOURCE: Avtomobil'naya promyshlennost', no. 9, 1965, 37-39

TOPIC TAGS: plastic coating, spray coating, polymer, plastic

ABSTRACT: Plastic coating of parts by the whirlwind spray-coating method, in which the hot part is dipped into a fluidized bed of plastic dust particles, was investigated. In particular, the equipment and operating regimes were developed for coating of bus hand rails (32-mm diameter, 1.5-mm thick, 2-m long) with polyvinylbutyral (GOST 9439-60). The equipment consisted of a 15-Kw heating furnace, a fluidized plastic bed (see Fig. 1), and a ball type grinding mill for producing the plastic particles. The railing tubes were heated to 300--340C in 5--6 minutes, dipped into the fluidized bed for 8--10 seconds, reheated to 200--220C in 7 minutes

Card 1/2 UDC: 629.113:678.01

L 10315-66
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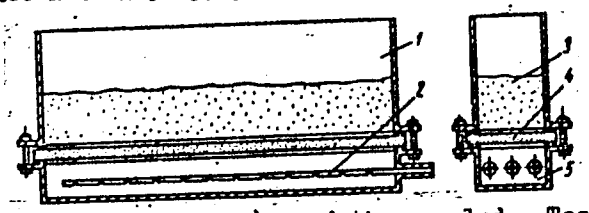


Fig. 1. Fluidized bed for polymeric materials: 1 - powdered polymer tank; 2 - air supply; 3 - powdered polymer; 4 - porous separation; 5 - air manifold.

(to smooth coating), and then cooled. Tests showed that the coatings were corrosion resistant (as well as water, oil, and benzene resistant), wear resistant, the process was cheaper than multiple galvanizing and simple enough to apply. A small percentage of titanium dioxide filler and some coloring pigments were mixed with the plastic. Orig. art. has: 1 table and 2 figures.

SUB CODE: 11/13/ SUBM DATE: none

Card 2/2

VASIN, I.M.

Expand the list of compulsory parameters of tests of materials.
Standartizatsiia 29 no.5:51-52 My '65. (MIRA 19:1)

VASIN, I.N.

Engineering work in the "Kommunist-Novaya" Mine.
Ugol' Ukr, 6 no.8:27-28 Ag '62. (MIRA 15:11)

1. Nachal'nik proyektno-konstruktorskoy gruppy shakhty "Kommunist-Novaya" tresta Oktyabr'ugol.
(Donets Basin--Mining engineering)

NAYSH, M.N., inzh.; GULIDA, E.N., inzh.; VASIN, I.N., inzh.; KOZLOVSKIY, B.V., inzh.

Optimum cutting conditions for finish gear milling with a cutter head. Mashinostroenie no.3:10-12 My-Je '63. (MIRA 16:7)

1. Luganskiy teplovozostroitel'nyy zavod.
(Gear cutting)

GULIDA, E.N.; VASIN, I.N.

New cup-shaped cutter. Mashinostroenie no.3:17-18 My-Je '63.
(MIRA 16:7)

(Metal-cutting tools)

VASIN, Jan

Effect of catalyst concentration on the composition and volume of production costs. Chem prum 13 no.5:Makromolekularni latky 13 no.5:274-277 '63.

1. Vyzkumny ustav makromolekularni chemie, Brno.

VASIN, Jan

Dependence of the construction time on investment expenses.
Chem prum 14 no.1:40-41 Ja'64.

1. Vyzkumny ustav makromolekularni chemie, Brno.

LAPSHIN, M.I.; VASIN, L.G., inzh., red.

[Special chapters of physical chemistry; a lecture conspectus] Spetsial'nye glavy fizicheskoi khimii; konspekt lektsii. Moskva, Energ. in-t. Pt.1. 1963. 75 p. (MIRA 18:1)

VASIN, L.I.

Some gas economy potentials. Gaz. prom. 7 no.2:32 '62. (MIRA 17:6)

VASIN, L.V., inzh.; AKHUN, B.N., inzh.; IVANCHENKO, N.N., kand. tekhn. nauk; KOLLEROV, L.K., kand. tekhn.nauk; NIKITINA, N.V., inzh.; SOKOLOV, S.S., kand. tekhn. nauk; FODIN, A.A., red.; YURKEVICH, M.P., red. izd-va; PETERSON, M.M., tekhn. red.; SPERANSKAYA, O.V., tekhn. red.

[Diesel and gas engines; catalog-handbook] Dizeli i gazovye dvigateli; katalog-spravochnik. Pod red. A.A.Fadina. Moskva, Mashgiz, 1961. 279 p. (MIRA 14:12)

1. Leningrad. TSentral'nyy nauchno-issledovatel'skiy dizel'nyy institut.

(Gas and oil engines)

AKHUN, B.N.; VASIN, L.V.; GITTIS, V.Yu.; KOLLEROV, L.K., kand. tekhn. nauk; ABRAMOV, A.M., red.; KOVAL'SKAYA, I.F., tekhn. red.; KOGAN, F.L., tekhn. red.

[Disel-engine manufacture abroad] Dizelestroenie za rubezhom; obzor. Moskva, 1962. 132 p. (MIRA 16:7)
(Diesel engines)

VASIN, L.V., kand.tekhn.nauk

Trends in the development of diesel engines abroad. Energomashino-stroenie 9 no.6:43-48 Je '63. (MIRA 16:9)

VASIN, M.D. (Leningrad)

In search of metal.....Nauka i zhyttia 11 no.2:16-17 F '61.
(MIRA 14:3)

(Metal industries)
(Dust—Removal)

VASIN, M.P., fel'dsher (selo Koz'ma-Dem'yanovka Belgorodskoy oblasti).

Syringes. Feld'. i akush. 23 no.8:48 Ag '58 (MIRA 11:8)
(SYRINGES)

VASIN, M.P., fel'dsher (selo Koz'mo-Dem'yanovka Belgorodskoy oblasti)

Using injection needles without mandrins. Fel'd. i akush. 23 no.6:52-53 Je '58 (MIRA 11:6)
(HYPODERMIC NEEDLES)

VASIN, N.

Sailors' study. Sov. profsoiuzy 16 no.22:52 N '60. (MIRA 14:1)

(Archangel—Merchant seamen—Education and training)

VASIN, N.

For further improvement of the educational work in the Merchant fleet. Rech. transp. 19 no. 6:17-18 Je '60. (MIRA 14:2)
(Adult education)

VASIN, N.

Keeping up with the Gorkii tradition. Sov. profsoiuzy 18 no.15:25 Ag '62. (MIRA 15:7)
(Merchant seamen--Education and training) (Culture)

VASIN, N.

They took part in the work of the Sixth Congress of Trade Unions. Rech. transp. 22 no.10:4-5 O '63. (MIRA 16:12)

1. Instruktor TSentral'nogo komiteta professional'nogo soyuza rabochikh morskogo i rechnogo flota.

VASIL', V., podpolkovnik

Night tractical and drill problems with an AA battery. Voen.vest. 39 no.3:64-67 Mr '60. (MIA 14:2)
(Antiaircraft guns)

VASIN, N., podpolkovnik

Methods for controlling the firing of a battery. Voen. vest. 41 no.4:86-90 Ap '62. (MIRA 15:4)
(Antiaircraft artillery)

VASIN, N., agronom.

Use organic refuse on fields. Nauka i pered. op. v sel'khoz 8 no.12:22-23 D '58. (MIRA 12:1)
(Refuse and refuse disposal)

VASIN, N. A.

City refuse as a source of organic fertilizers. Zemledelie 8 no.10:66-70 O '60. (MIRA 13:10)

1. Glavnyy agronom instituta "Giprokommunstroy."
(Refuse and refuse disposal)
(Fertilizers and manures)

VASIN, N.G.

Combining undercutting and timbering operations in longwalls of the Moscow Coal Basin. Ugol' 30 no.12:4-5 D '55. (MLRA 9:2)

1.Glavnyy inzhener Normativno-issledovatel'skoy stantsii no.14.
(Moscow Basin--Coal mines and mining)

VASIN, Nikolay Ivanovich; KANDYBIN, M., red.; IVANOV, N., tekhn. red.

[Peat resources of Kaluga Province] Torfianye bogatstva Kaluzhskoi oblasti. Kaluga, Kaluzhskoe knizhnoe izd-vo, 1962. 69 p. (MIRA 17:3)

VASIN, N.V.

Increase the importance and the role of ships for the use of spreading political information. Rech.transp. 18 no.6:22 Je '59. (MIRA 12:9)

(Ships)
(Communist Party of the Soviet Union--Party work)

VASIN, N.Ya.

Surgical treatment of cysticercosis of the fourth ventricle and characteristics of the postoperative course. Vop.neirokhir. 19 no.4:28-35 Jl-Ag '55. (MLRA 8:10)

1. Iz Nauchno-issledovatel'skogo ordena Trudovogo Krasnogo Znameni instituta neyrokhirurgii imeni akad. N.N. Burdenko Akademii meditsinskikh nauk SSSR

(CYSTICERCOSIS,
brain, 4th ventric., surg.)
(CEREBRAL VENTRICLES, diseases,
cysticercosis of 4th ventric. surg.)

VASIN, N.Ya.

Clinical aspects and diagnosis of cysticercosis of the fourth ventricle. Vop. neirokhir. 21 no.6:46-47 N-D '57. (MIRA 11:2)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad. N.N.Burdenko Akademii meditsinskikh nauk SSSR.

(CEREBRAL VENTRICLES, dis.
cysticercosis of IV. ventricle clin. aspects & diag.)
(CYSTICERCOSIS, diag.
IV. ventrile of brain)

VASIN, N.Ya.

Structure of the blood supply system of the dura mater of the brain in dogs. Probl.sovr.neirokhir. 3:381-387 '59. (MIRA 16:6)

(DURA MATER--BLOOD SUPPLY)

KANDEL', E.I., kand.med.nauk; VASIN, N.Ya.

Current problems in neurosurgery. Vest.AMN SSSR 14 no.7: 80-86 '59. (MIRA 12:9)
(NERVOUS SYSTEM--SURGERY)

VASIN, N.Ya. (Moskva)

Structure of the vascular network of the dura mater in man [with summary in English, p. 62]. Vopr.neirokhir. 23 no.2:6-12 Mr-Ap '59. (MIRA 12:4)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii im. N.N. Burdenko AMN SSSR.
(DURA MATER, blood supply,
anat. (Rus))

VASIN, N.Ya. (Moskva)

Effective methods of surgery on the dura mater. Vop.neirokhir. 23 no.4:9-12 Jl-Ag '59. (MIRA 12:10)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad.N.N.Burdenko AMN SSSR.
(DURA MATER, surgery, technics (Rus))

VASIN, N.Ya.

All-Union Conference of Neurosurgeons. Vop.neirokhir. 23 no.4:46-50 Jl-Ag '59. (MIRA 12:10)
(BRAIN--TUMORS) (BRAIN--SURGERY)

VASIN, N.Ya.

Conference dedicated to the 83d anniversary of the birth of N.N. Burdenko. Vop.neirokhir. 23 no.6:52 N-D '59. (MIRA 13:4)
(NERVOUS SYSTEM--SURGERY)

VASIN, N.Ya.

Reflexes from the longitudinal sinus of the dura mater appearing during sinusography. Fiziol.zhur. 45 no.10:1201-1207 O '59. (MIRA 13:2)

1. Nauchno-issledovatel'skiy institut neyrokhirurgii im. N.N. Burdenko, AMN SSSR, Moskva.

(CEREBRAL ANGIOGRAPHY)
(CRANIAL SINUSES physiol.)

YASIN, N. Ya., Sanit-Hyg Sci -- (diss) "The structure of the perivascular system of the cerebral dura mater and the pearl regularities of the collateral circulation in it," Moscow, 1960, 23 pp (Academy of Medical Sciences USSR) (KL, 37-60, 122)

VASIN, N.Ya. (Moskva)

Surgical treatment of subtentorial arachnoid cysts. Vop.neiro-khir. 24 no.5:48-50 S-O '60. (MIRA 13:11)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhrirgii imeni akad. N.N. Burdenko AMN SSSR.
(BRAIN—TUMORS) (CYSTS)

UGRYUMOV, Veniamin Mikhaylovich, prof.VASIN, N.Ya., red.; BUL'DYAYEV, N.A., tekhn. red.

[Injuries of the spine and spinal cord and their surgical treatment] Povrezhdeniia pozvonochnika i spinnogo mozga i ikh khirurgicheskoe lechenie. Moskva, Medgiz, 1961. 246 p. (MIRA 15:2)

(SPINAL CORD--SURGERY)
(SPINE--WOUNDS AND INJURIES)

VASIN, N.Ya., kand.med.nauk (Moskva)

Regularities of collateral circulation in the dura mater of the human brain. Vop.neirokhir. no.5:34-39 '61. (MIRA 14:11)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.
(DURA MATER) (BLOOD--CURCULATION)

IMSHENETSKAYA, V.F.; VASIN, N.Ya.

Studies on the effect of subarachnoid mycerin on the central nervous system under experimental conditions. Antibiotiki 6 no.1:44-49 Ja '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni akademika N.N.Burdenko.
(ANTIBIOTICS) (RESPIRATION)

VASIN, N. Ya.

Genesis of epidural hematomas appearing without direct injuries of the meningeal vessels. Vest. khir. no.2:122-123 '62. (MIRA 15:2)

1. Iz Nauchno-issledovatel'skogo ordena Turdovogo Krasnogo Znameni instituta neyrokhirurgii im. akad. N. N. Burdenko AMN SSSR.

(HEMATOMA) (DURA MATER—TUMORS)

VASIN, N.Ya., kand. med. nauk (Moskva)

Bouginage of the aquaeductus Sylvii in inflammatory occlusion.
Vop. neirokhir. 26 no.6:28-33 N-D'62 (MIRA 17:3)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znamei institut neyrokhirurgii imeni N.N.Burdenko AMN SSSR.

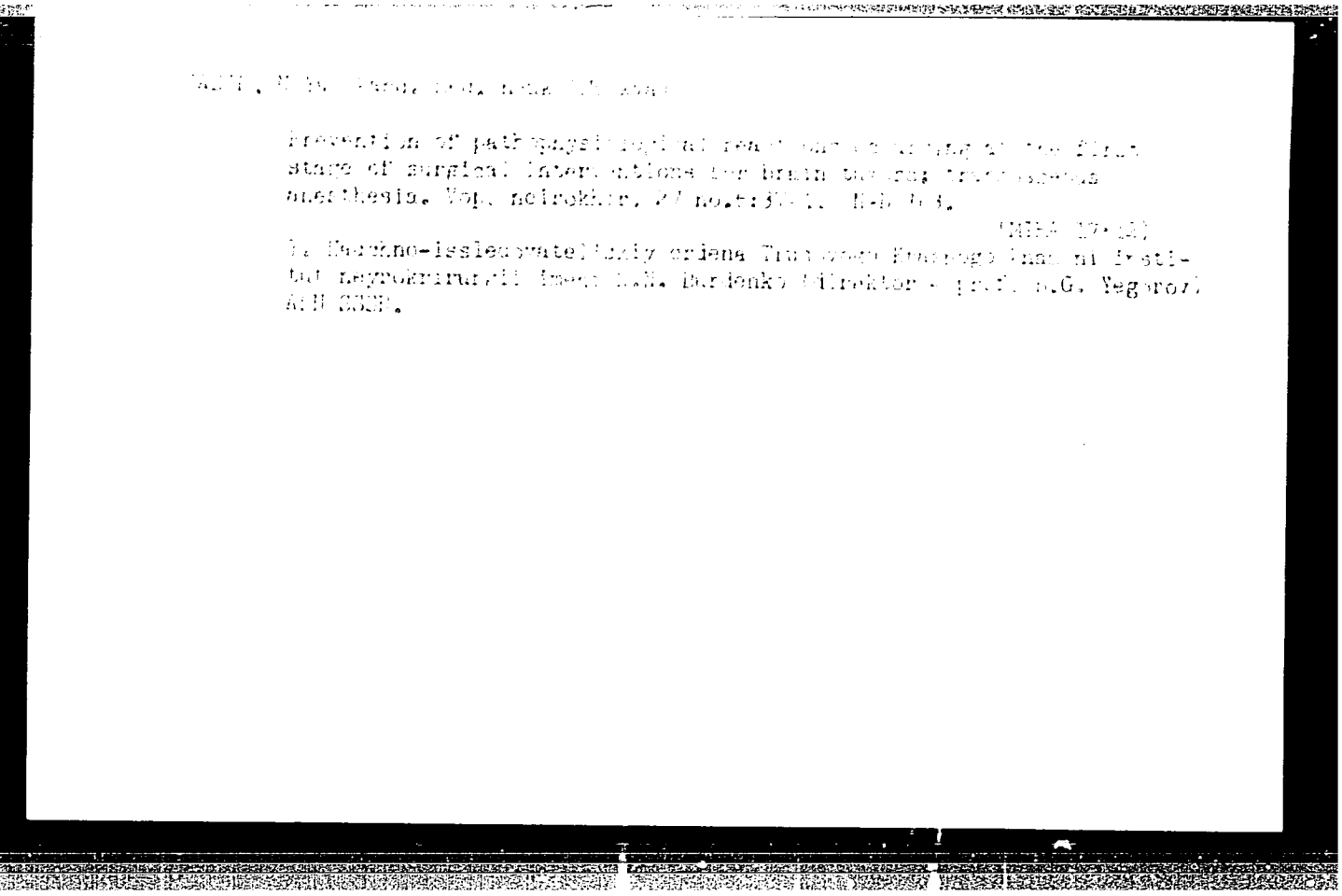
ZHUCHENKO, Daniil Grigor'yevich; VASIN, N.Ya., red.; PRONINA, N.D., tekhn. red.

[Metastatic abscesses of the brain] Metastaticheskie abstsessy golovnogo mozga. Moskva, Medgiz, 1963. 213 p. (MIRA 16:6)
(BRAIN--ABSCESS)

BOGOLEPOV, N.K., prof.; VEYN, A.M., kand. med. nauk; GRINSHTEYN, A.M., prof.[deceased]; MIKHEYEV, V.V., prof.; SMIRNOV, V.A., prof.; SHARGORODSKIY, L.Ya., prof. [deceased]; SHEFER, D.G., zasl. deyatel' nauki prof.; GRASHCHENKOV, N.I., prof., otv. red.; VASIN, N.Ya., kand. med. nauk, red.; CHULKOV, I.F., tekhn. red.

[Multivolume manual on neurology] Mnogotomnoe rukovodstvo po nevrologii. Leningrad, Medgiz. Vol.4.[(In two parts). Vascular diseases of the nervous system and diseases of the vegetative nervous system] (V dvukh chastiakh) Sosudistye zabolevaniia nervnoi sistemy i zabolevaniia vegetativnoi nervnoi sistemy. Red. N.K.Bogolepov i V.V.Mikheev. 1963. 618 p. (MIRA 16:12)

1. Deystvitel'nyy chlen AMN SSSR (for Grinshteyn, Grashchenkov).
(CEREBROVASCULAR DISEASE)
(NERVOUS SYSTEM, AUTONOMIC--DISEASES)



K.R.[illegible], [illegible]ya O.[illegible]; [illegible], [illegible], [illegible]

[Tumors of the parietal lobes of the brain; [illegible] aspects and diagnosis] [illegible] mozga; klinika i diagnostika. [illegible], [illegible], [illegible]. [illegible] p. ([illegible])

SHAYKOVICH, Aleksandr Romanovich; [illegible]EKOVICH, Vitaliy Romanovich [deceased]; VASIN, N.Ya., red.

[Pupillography; objective examination of pupillary reactions and movements of the eyeball] Pupillografiia; ob"ektivnoe issledovanie zrachkovykh reaktsii i dvizhenii glaznykh iablok. Moskva, Meditsina, 1964. 250 p. (MIRA 17:8)

VASIN, N.Ya.

Bouginage of aquaeductus Sylvii in brain tumors with closed hydrocephalus syndrome. Zhur. nevr. i psikh. 64 no.8:1159-1162 '64. (MIRA 17:12)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii im. N.N. Burdenko (direktor - prof. B.G. Yegorov) AMN SSSR, Moskva.