S/569/61/006/000/001/008
D201/D303

AUTHOR: Lerner, A. Ya. (USSR)

TITLE: Application of self-adjusting automatic control systems

SOURCE: International Federation of Automatic Control. 1st Congress, Moscow, 1960. Trudy. v. 6. Avtomatizatsiya proizvodstvennykh protsessov; khimiya, neftepererabotka, teploenergetika, yadernaya energetika, metallurgiya. Moscow, 1961, 9 - 19

TEXT: The author considers problems of using self-adjusting systems for control of continuous processes. The operating states' space, with coordinate values x_1, x_2,...x_n determining a certain operating regime, with a corresponding vector x_i are considered. If the regime space is supplemented by yet another coordinate for the factor α, determining the efficiency of installation operation, then over the surface S, representing the set of possible states, a hypersurface may be determined, representing the depen-

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Application of self-adjusting ...

dence of α on the operating state of the arrangement. The best operating regime with respect to α is such a regime X^*, belonging to the surface S for which the corresponding value of α^* is max. (or minimum). When all conditions influencing the choice of the optimum regime are controllable and their dependence on X^*, corresponding to the heat values of α, are known, the required regime can be automatically established by means of arrangements computing the values of X^* from the information on current values of Y as obtained from the system controlling the operating conditions. Such systems, shown in a figure, are called systems of class A. Such a system was developed by the author at the Moscow Steel Institute and installed in 1954 at one of the metal furnaces. The determination and sustaining of the most suitable regime is also possible, when some or all of the operating conditions are not controlled. In this case automatic hunting systems may be used, in which determination of the most suitable regime is achieved by consecutive trial of various values of control components Z and of evaluating the regime X by means of a device which measures or computes the

Card 2/3

factor α and the limitations h, which correspond to the set of conditions Y at any instant and to the set of components of the regime X. Such systems are said to belong to class B and their structure is shown in a figure. The optimizers used in such systems operate on different principles. The multichannel optimizer, developed at the IAT AN SSSR applies the method of combined hunting: that of the greatest slope at a distance from the extremum and the gradient method in its direct vicinity. If automatic adjustment of the regime, independent of the speed of variations of parameters, is to be considered, the most advantageous is said to be a combined self-checking system, based on both A and B systems. Such a system must incorporate sometimes the optimization of the control system as well; it has been applied in the automatic control system (developed by the IAT AS USSR) of an automatic tube welding machine. The use of A and B systems, as applied to the heating of metal furnaces is also discussed. There are 12 figures and 4 Soviet-bloc references.

39515
S/044/62/000/007/095/100
C111/C333

27.6100

AUTHORS: Leont'yev, K. L., Lerner, A. Ya., Oshanin, D. A.

TITLE: On some problems of examining the system "Man and Automat"

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 80-81, abstract 7V396. ("Vopr. psikhologii," 1961, no. 1, 13-22)

TEXT: The activity of humans in automatic systems and in systems with manual control is discussed. It is emphasized that the human equipped with the most complicated and exact technics will continue to play the role of the principal link in modern systems, and that it is impossible to formulate and solve control problems properly if one limits himself to examining the technical aspects and neglects the psycho-physiological factors related to human participation in control operations. A speedy solution of the problems related to the question of the psycho-physiological properties and possibilities of humans can only be attained through mutual efforts by psychologists, physiologists, engineers and mathematicians. As results general principles for rational designing of control desks, signal boards and indicating appliances should be obtained. The authors reduce the consideration of human factors to the construction of the desks, boards and indicators,

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S/044/62/000/007/095/100
C111/C333

On some problems of examining the ...

and to the guarantee of corresponding working conditions. The question of determining an optimal solution to the system as a whole in its design stage by taking into consideration the properties and possibilities of humans and of the machine is actually not considered. The main emphasis is put on the exchange of information between man and the machine. The authors deal with the consideration and determination of the sensory properties of the signal stimuli, of the type and degree of complexity of the stimuli and their influences on the efficiency, as well as the semantics of the stimuli and the volume of the available information. Also discussed are: the automatization of the physiological and psychological experiments, modelling the analysator-system and the nerve processes, construction of mathematical machines to statistically work out a large number of experimental data; such machines are essential for psychological experiments.

[Abstracter's note: Complete translation.]

Card 2/2

LERNER, A.Ya., prof., doktor tekhn.nauk

Theory of automation. Izobr.i rats. no.12:2-3 D '62. (MIRA 15:12)

1. Zaveduyushchiy laboratoriyey Instituta avtomatiki i telemekhaniki.
(Automation)

VAPNIK, V. N.; LERNER, A. Ya.

Principles of the identification of images. Izv. AN Uz.SSR. Ser. tekh. nauk 6 no.5:97-98 '62. (MIRA 15:10)

1. Institut avtomatiki i telemekhaniki AN SSSR.

(Electronic calculating machines)

LERNER, A. Ya.

" Optimal Control of Continuous Process. "

Paper to be presented at the IFAC Congress to be held in Basel, Switzerland, 27 Aug to 4 Sep 63.

IERNER, A.J., prof. dr n.t.; MAKOWSKI, Karol, mgr inz. [translator]

Prospects for the automation of industrial processes.
Pomiary 9 no.2:65-67 F '63.

L 10255-63 EWT(d)/BXT/FCC(w)/BDS ASD/ESD-3/APGC Pg-4/Pk-4/Po-4/Pq-4
GG/IJP(C)

ACCESSION NR: AP3001088 S/0103/63/024/006/0774/0780

AUTHOR: Vapnik, V. N. (Moscow); Lerner, A. Ya. (Moscow) 74

TITLE: Image recognition by generalized portraits 16

SOURCE: Avtomatika i telemekhanika, v. 24, no. 6, 1963, 774-780

TOPIC TAGE: image recognition, generalized portrait

ABSTRACT: An attempt to formalize the concepts involved in the image recognition is presented. The image can be determined by the objective characteristics of a set of investigated objects and by the individual characteristics of the investigating machine. This approach permitted introducing "generalized portrait", discernment, recognition, and threshold of recognition concepts. An axiomatic definition of the "pattern" is offered. By the methods of mathematical statistics, the algorithms of learning recognition and discernment have been developed; they are based on finding generalized portraits of patterns. The problem of a deformed pattern is considered. Orig. art. has: 3 figures and 20 formulas.

ASSOCIATION: none

SUBMITTED: 26Dec62 DATE ACQD: 01Jul63 ENCL: 00
SUB CODE: 00, NO REF SOV: 002 OTHER: 001

Card 1/1

BUTKOVSKIY, A.G.; LERNER, A.Ya.; MALYY, S.A.

Problems of optimum control of processes involving the extraction of products from a melt. Dokl. AN SSSR 153 no.4: 772-775 D '63. (MIRA 17:1)

1. Institut avtomatiki i telemekhaniki AN SSSR. Predstavleno akademikom V.A. Trapeznikovym.

LERNER, A. Ya.

"Using computers for management control survey."

report submitted for Intl Fed of Automatic Control & Information Processing Conf, Stockholm, 21-23 Sep 64.

KHRAMOY, A.V. [deceased]; MEYEROV, M.V.; AYZERMAN, M.A.; ULANOV, G.M.; TSYPKIN, Ya.Z.; FEL'DBAUM, A.A.; LERNER, A.Ya.; PUGACHEV, V.S.; IL'IN, V.A.; GAVRILOV, M.A.

Work of the Institute of Automatic and Remote Control on the development of the theory of automatic control during 1939-1964. Avtom. i telem. 25 no. 6:763-807 Je '64. (MIRA 17:7)

AVEN, O.A.; DVORETSKIY, V.M.; DOMANITSKIY, S.M.; ZALMANZON, L.A.; KRASSOV, I.M.; KRUG, Ye.K.; TAL', A.A.; KHOKHLOV, V.A.; BULGAKOV, A.A.; DEMIDENKO, Ye.D.; BERNSHTEYN, S.I.; YEMEL'YANOV, S.V.; LERNER, A.Ya.; MEYEROV, M.V.; PEREL'MAN, I.I., FITSNER, L.N.; CHELYUSTKIN, A.B.; ZHOZHIKASHVILI, V.A.; IL'IN, V.A.; AGEYKIN, D.I.; GUSHCHIN, Yu.V.; KATYS, G.P.; MEL'TTSER, L.V.; PARKHOMENKO, P.P.; MIKHAYLOV, N.N.; FITSNER, L.N.; PARKHOMENKO, P.P.; ROZENBLAT, M.A.; SOTSKOV, B.S.; VASIL'YEVA, N.P.; PRANGISHVILI, I.V.; POLONNIKOV, D.Ye.; VOROB'YEVA, T.M.; DEKABRUN, I.Ye.

Work on the development of systems and principles of automatic control at the Institute of Automatic and Remote Control during 1939-1964. Avtom. i telem. 25 no. 6:807-851 Je '64. (MIRA 17:7)

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; VORONOV, A.A., prof., red.; AGEYKIN, D.I., doktor tekhn. nauk red.; GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PROKOF'YEV, V.N., doktor tekhn. nauk, prof., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV, A.I., doktor tekhn. nauk, red.; KRINITSKIY, N.A., kand. fiz. mat. nauk, red.; KOGAN, B.Ya., doktor tekhn. nauk, red.; USHAKOV, V.B., doktor tekhn. nauk, red.; LERNER, A.Ya., doktor tekhn. nauk, prof., red.; FEL'DBAUM, A.A., doktor tekhn. nauk, prof., red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, red.; KHARKEVICH, A.A., akademik, red. [deceased]; TIKOFEYEV, P.V., red.; MASLOV, A.A., dots., red.; TRUTKO, A.F., inzh., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; NETUSHIL, A.V., doktor tekhn. nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; LIFSHITS, A.L., kand. tekhn. nauk, red.; AVEN, O.I., kand. tekhn. nauk, red.; BLANN, O.M [Blunn, O.M.], red.; BROYDA, V., inzh.,prof.,red.; BREKKL', L [Brockl,L.] inzh., knad. nauk, red.; VAYKHARDT, Kh. [Weichardt, H.], inzh., red.; BOCHAROVA,M.D., kand. tekhn. nauk, st. nauchn. red.

[Automation of production processes and industrial electronics] Avtomatizatsiia proizvodstva i promyshlennaia elektronika; entsiklopediia sovremennoi tekhniki. Moskva, Sovetskaia entsiklopediia. Vol.4. 1965. 543 p. (MIRA 18:6)

L 48804-65 EWT(d)/T/EED-2/EWP(1) Pq-4/Pg-4/Pk-4 IJP(c) BB/GG/JXT(BF)

ACCESSION NR: AP5007253 S/0280/65/000/001/0072/0087

AUTHOR: Vapnik, V. N. (Moscow); Lerner, A. Ya. (Moscow); Chervonenkis, A. Ya. (Moscow)

TITLE: Systems for teaching pattern recognition by means of generalized portraits

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 1, 1965, 72-87

TOPIC TAGS: pattern recognition, generalized portrait

ABSTRACT: The recognition problem consists of two parts: (1) Synthesis of the automaton being taught; (2) Simulation of a specific automaton from a given class. The second part is considered in the article, and the results of experiments with (a) recognition of Arabic numerals written in longhand and (b) recognition of water-bearing and petroleum-bearing beds are reported. One-hundred and fifty outlines of each numeral were used for teaching which resulted in 10 generalized

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ACCESSION NR: AP5007253

portraits (one per each numeral). Each portrait was characterized by 119—130 vectors with nonzero weights. The automaton was able to correctly recognize 95% of the patterns. The geophysical generalized portrait was based on these characteristics: (a) apparent electric resistivity of the bed; (b) self-polarization potential; (c) natural gamma radiation; (d) capture gamma-radiation intensity (under neutron bombardment); (e) drillhole diameter; (f) drilling-fluid resistivity. Materials associated with 270 beds were used for teaching and recognition, with particular attention to thin beds. Orig. art. has: 4 figures, 3 formulas, and 8 tables.

ASSOCIATION: none

SUBMITTED: 16Jul64 ENCL: 00 SUB CODE: DP, IE

NO REF SOV: 006 OTHER: 000

Card 2/2

LERNER, A.Ya.

Self-organizing systems; transactions of a symposium on self-organizing systems. Avtom. i telem. 26 no.6:1131-1134 Je '65. (MIRA 18:7)

L 37108-66 EWP(k)/EWT(d)/EWP(h)/T/EWP(l)/EWP(v) IJP(c) GG/BD/BC/JT/GD

ACC NR: AT6012882 SOURCE CODE: UR/0000/65/000/000/0005/0015

49
48
BT 1

AUTHOR: Gaaze-Rapoport, M. G.; Lerner, A. Ya.; Oshanin, D. A.

ORG: None

TITLE: General problems and study of the man-automaton system

SOURCE: Sistema chelovek i avtomat (Man-automaton systems). Moscow, Izd-vo Nauka, 1965, 5-15

TOPIC TAGS: bionics, man machine communication, information theory, computer technology

ABSTRACT: The authors study the basic problems which differentiate the man-automaton system from the general class of cybernetic systems. Man-automaton systems are classified according to purpose, the human role and the nature of information exchange between man and machine. The distribution of functions between man and automaton is considered. A general formula is given for calculating this relationship:

$$I = f(I_1, I_2, \ldots, I_n) \approx \sum_{i=1}^{n} a_i I_i,$$

where I_1, I_2, ..., I_n are estimates according to the individual indexes; a_1, a_2, ..., a_n

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ACC NR: AT6012882

are the weighting coefficients. These coefficients characterize the relative importance of the individual estimates for selecting the optimal distribution of functions. The individual estimates should include such things as the efficiency of control, its reliability, equipment cost, and operating expenditure, The inclusion of man in the system requires a thorough knowledge of all aspects of human behavior. The functional capabilities of man under diverse conditions and environments are studied. Important factors are the amount of information that a man can handle, the properties and the capabilities of human analyzers, and their characteristics during the simultaneous use of several sensory organs. The automatic part of the man-automaton system is studied. This part has to be designed for working in unison with man and with respect to man's capabilities. This includes the study and development of optimal forms of communication between man and machine. The incorporation into the system of existing remote control and computer equipment is considered. Four problems in methodology are discussed: improving the classification of man-automaton systems; the establishment of an experimental basis and development of study methods; simulating the man-automaton system under various operating conditions; and training personnel for the man-automaton systems. In order to solve these problems extensive study must be made of man's learning, simulation of this process, and the development of learning models, programs, and other equipment. Orig. art. has: 1 formula.

SUB CODE: 09, 06/ SUBM DATE: 02Aug65

Card 2/2

YARMOLINSKIY, I.M., inzh.; LERNER, A.Ye.

Experience in the installation of BKZ-120-100-GM boilers in a semienclosed type boiler system. Energ.stroi. no.30:12-20 '62. (MIRA 16:2)

1. Odesskiy ob"yedinennyy montazhnyy uchastok tresta "Yuzhteploenergomontazh."

(Boilers)

LERNER, B.I.

Improved planning is an important condition for the successful use of internal potentials. Ugol' 39 no.6:44-47 Je'64
(MIRA 17:7)

1. Vsesoyuznyy tsentral'nyy gosudarstvennyy institut po proyektirovaniyu i tekhniko-ekonomicheskim obosnovaniyam razvitiya ugol'noy promyshlennosti.

LERNER, B.I.

KUNDIN, Mikhail Borisovich. LERNER, B.I., otvetstvennyy redaktor; SUROVA, V.A., redaktor izdatel'stva; ALADOVA, Ye.I., tekhnicheskiy redaktor; KANASKOVA, I.R., tekhnicheskiy redaktor

[Technical and economic calculations in coal mining industry of the USSR] Tekhniko-ekonomicheskie raschety v ugol'noi promyshlennosti SSSR. Moskva, Ugletekhizdat, 1956. 197 p. (MLRA 10:4)
(Coal mines and mining)

Lerner, S. I.

BOKIY, Orest Borisovich, doktsent, kandidat tekhnicheskikh nauk; MOROZOV, Aleksandr Ivanovich, dotsent, kandidat tekhnicheskikh nauk; MORDUKHOVICH, Mikhail Vladimirovich, dotsent, kandidat ekonomicheskikh nauk; BRO, Gdaliy Grigor'yevich, dotsent, kandidat ekonomicheskikh nauk; LERNER, S.I., otvetstvennyy redaktor; SEREBRYANYY, A.G., otvetstvennyy redaktor; FEYTEL'MAN, N.G., redaktor izdatel'stva; DODEVA, G.V., redaktor izdatel'stva; NADEINSKAYA, A.A., tekhnicheskiy redaktor

[Planning in coal mines] Planirovanie na ugol'noi shakhte. Moskva, Ugletekhizdat, 1957. 317 p. (MLRA 10:8)

1. Kafedra ekonomiki i organizatsii gornoy promyshlennosti Leningradskogo ordenov Lenina i Trudovogo Krasnogo Znameni Gornogo instituta imeni G.V.Plekhanova (zav. kafedroy O.B.Bokiy) (for Morozov, Mordukhovich, Bro)
(Coal mines and mining)

KOZUBENKO, Viktor Alekseyevich; LERNER, B.I., retsenzent; STEPUN, A.O., otv.red.; GOLUBYATNIKOVA, G.S., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.; BOLDYREVA, Z.A., tekhn.red.

[Planning in coal mines] Planirovanie na ugol'noi shakhte. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 303 p. (MIRA 13:7)
(Coal mines and mining)

ALTAYEV, Sh.A., kand.tekhn.nauk; POLOZHIY,F.M.; MASTER,A.Z.; ZHISLIN,I.M.; SHAPOSHNIKOVA, I.I.; NABOKIN, V.F.; MAKSIMOVA, A.I.; BOYKO, A.A., red.; LERNER, B.I., red.; MIROSHNICHENKO, V.D., red. izd-va; LOMILINA, L.N., tekhn. red.

[Karaganda soil basin; reference book] Karagandinskii ugol'nyi bassein; spravochnik. Pod obshchei red. A.A.Boiko i B.I. Lernera. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1962. 367 p. (MIRA 15:3)

1. Karagandinskiy khimiko-metallurgicheskiy institut Akademii nauk Kazakhskoy SSR (for Altayev). 2. Karagandinskiy sovnarkhoz (for Polozhiy, Master, Zhislin, Shaposhnikova). 3. Kombinat Karagandaugol' (for Nabokin). 3. Karagandinskiy nauchno-issledovatel'skiy ugol'nyy institut (for Maksimova).
(Karaganda Basin--Coal mines and mining)

LERNER, S.I., inzh.; MOSKVIN, V.B., inzh.

Economic indices and methodology of determining them in plans for coal mining enterprises. Shakht. stroi. 7 no.1:30-31 Ja '63.
(MIRA 16:2)

1. Vsesoyuznyy tsentral'nyy gosudrastvennyy institut po proyektirovaniyu i tekhniko-ekonomicheskim obosnovaniyam razvitiya ugol'noy promyshlennosti.
(Coal mines and mining)

KOZUBENKO, Viktor Alekseyevich; LERNER, B.I., retsenzent; [illegible] I.M., retsenzent; GRINER, A.S., otv. red. [decease

[Analysis of the economic operations of a coal mine] Analiz khoziaistvennoi deiatel'nosti ugol'noi shakhty. Moskva, Izd-vo "Nedra," 1964. 211 p. (MIRA 17:7)

15-57-1-972

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1, p 155 (USSR)

AUTHOR: Lerner, B. L.

TITLE: The Relative Intensity of Reflected Waves in Seismic Surveys (K otsenke otnositel'noy intensivnosti otrazhennykh voln v seysmorazvedke)

PERIODICAL: Nauch. yezhegodnik za 1954 g. Saratovsk. un-t. Saratov, 1955, pp 470-472.

ABSTRACT: The inadequate number of stable reflections from the Devonian horizons on the southeastern Russian platform may be associated with a considerable loss in the energy of the waves at the interfaces of units with markedly different elastic properties. The author appraises the loss of energy due to reflection at these interfaces. To do this he compares the energy or amplitude of waves under normal attenuation reflected from different horizons in a horizontally bedded sequence. As a standard he uses the energy or amplitude of wave

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The Relative Intensity of Reflected Waves in Seismic (Cont.)

reflected from one of the horizons. He computes the relative values of energy for the reflected waves from a number of horizons in the section in the Saratov region along the right bank of the Volga. In this section, the standard is chosen as the energy of the wave reflected from the top of the Paleozoic. The values obtained lay within the limits of tenths of a percent from 12 to 18 percent.

Card 2/2

I. P. P.

BARYSHNIKOV, G.I.; LERNER, B.L.

Apparatus for automatic starting and stopping of the tape winder at seismic stations. Razved. i prom. geofiz. no.30:26-28 '59. (MIRA 12:12)

(Prospecting--Geophysical methods)

KLUGMAN, I.Yu.; LERNER, B.L.

Programming kinematic corrections in machines for automatic plotting of profiles based on the data of seismic reflected wave prospecting. Izv. AN SSSR. Ser. geofiz. no.10:1502-1509 O '61. (MIRA 14:9)

1. Trest "Nizhvolgoneftegeofizika", Opytno-konstruktorskoye byuro seysmorazvedochnogo priborostroyeniya.
(Seismic prospecting)

41151
S/169/62/000/009/025/120
D228/D307

9,7200

AUTHORS: Gushchin, N. L., Klugman, I. Yu., Kovalenko, Yu. V. and Lerner, B. L.

TITLE: Seismic record converter ПСЗ-1 (PSZ-1)

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 28, abstract 9A183 (In. collection: Razved. i promysl. geofiz. no. 41, M., 1961, 98-103)

TEXT: The authors describe the design of a PSZ-1 analog computer for interpreting seismic exploration data. It is intended for automatically processing seismograms, obtained by the continuous profiling reflection method when up to 26 groups of seismic detectors are spaced symmetrically relative to the detonation point. The original data for processing are seismic records, obtained with a wide-band channel on magnetic film. The machine accomplishes the following operations: 1) introducing static corrections for the inhomogeneity of the section's upper part into the seismic records; 2) introducing dynamic corrections for the normal time increment

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along the profile; 3) shifting vibrations with different routes according to the law chosen; 4) frequency filtration by means of high- and low-frequency filters or by changing the tape-winding rate; and 5) automatically regulating the amplification. The final results are recorded simultaneously in two forms: by the usual method of variable amplitude on writing paper, and by means of variable density on photographic paper in the form of time sections. The first results of testing the PSZ-1 give grounds for reckoning that computers of this type will find wide application and will allow the effectiveness of seismic exploration to be increased markedly. [Abstracter's note: Complete translation.]

KLUGMAN, I.; LERNER, B.L.

Use of regulated electric delay lines for kinematic corrections in seismic recording. Trudy NVNIIGG no.1:132-137 '64.
(MIRA 18:6)

L 42068-66 EWT(1) GW

ACC NR: AP6005347 SOURCE CODE: UR/0413/66/000/001/0092/0092

AUTHORS: Baryshnikov, G. P.; Gushchin, N. L.; Kovalenko, Yu. V.; Lernor, B. Ya.; Sarkisov, S. S.; Shekhter, Z. Kh.; Kul'gin, I. Ye.

ORG: none

TITLE: Device for automatic processing of primary seismic data. Class 42, No. 177639

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, 1, 1966, 92

TOPIC TAGS: seismograph, automatic data processing

ABSTRACT: This Author Certificate presents a device for automatic processing of primary seismic data. The device consists of drums for recording seismograms, magnetic heads, and a magnetic head transport unit. To simplify the design and to increase the efficiency of seismogram processing, the magnetic head transport unit is in the form of a cam system connected to a step drive and mounted on a common shaft (see Fig. 1). The shaft is turned quasi-discretely at the end of each rotation of the recording drum. To vary the center of the summation base line, the middle cam of the system is mounted opposite the magnetic head selected as the center of the summation base line.

UDC: 550.340.8

Card 1/2

ACC NR: AR6022468 SOURCE CODE: UR/0169/66/000/003/D019/D019

AUTHOR: Lerner, B. L.; Levin, A. E.; Yerokhin, B. A.

TITLE: New apparatus incorporating an intermediate stage of magnetic recording as the basis for further improvement of the MOV method of seismic prospecting

SOURCE: Ref. zh. Geofiz, Abs. 3D118

REF SOURCE: Tr. Nizhne-Volzhsk. n.-i in-t geol. i geofiz., vyp. 2, 1964, 75-78

TOPIC TAGS: seismic prospecting, geophysic instrument

TRANSLATION: New apparatus, developed at the Design Bureau of the Nizhnevolganefte-geofisika includes a seismic station equipped with an SS-24-61M magnetic recorder, a PSZ-2 seismic recording converter and an MS-1 magnetic integrator. This stationary instrumentation is used to process the data which were magnetically recorded by the method of directionally controlled reception. One machine, the PSZ-2 can process seismograms recorded at 9 or 10 simultaneously operated stations. A. Fedorenko.

SUB CODE: 08

UDC: 550.834

Card 1/1

LERNER, B.M.

Conclusions drawn from the use of diesel trains. Zhel. dor. transp. 40 no.2:76-77 F '58. (MIRA 11:3)

1. Glavnyy inzhener depo diesel'-poyezdov, Vil'nyus.
(Railroads--Trains) (Diesel locomotives)

NORSKIKH, Ivan Ivanovich, kand.tekhn.nauk; SHISHKIN, Kirill Aleksandrovich, prof. [deceased]. Prinimal uchastiye LERNER, B.M., inzh., SIROTENKO, V.D., kand.tekhn.nauk, red.; MEDVEDEVA, M.A., tekhn.red.

[Diesel trains and rail cars] Dizel'nye poezda i avtomotrisy. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 166 p. (MIRA 13:8)
(Diesel locomotives)

LERNER, B.M.; LEBEDEV, V.P.

Electrical network of a three-shaft D-series diesel train. Elek. i tepl. tiaga 7 no.6:21-27 Je '63. (MIRA 16:9)

1. Glavnyy inzh. depo Vil'nyus (for Lerner). 2. Zamestitel' nachal'nika depo Vil'nyus po remontu (for Lebedev).
(Diesel locomotives)

LERNER, Boris Markovich; LEBEDEV, Viktor Pavlovich; PALKIN, Aleksandr Prokof'yevich; SAZONOV, A.G., red.

[Diesel D trains; working principles, operation, maintenance and repair] Dizel'nye poezda D; ustroistvo, ekspluatatsiia i remont. Moskva, Transport, 1965. 346 p. (MIRA 18:2)

LERNER, B. N.

√

VENIKOV, A. L., St. Nauchn. Sotr. i, KONOVALOV, P. N., inzh., LERNER, B. N., o St. Nauchn. Sotr.

Akademiya Kommunal'nogo Khozyaystva IM. K.D. Pamfilova

Gazovyye Otopitel'nyye Pechi Akkh-3, Akkh-5, i Akkh-6 Page 49

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Moscow, 1951

GALTYKHIN, N.M.; SLAVIN, M.B.; Prinimali uchastiye: LERNER, B.N.; SECHENOVA, R.A.

Automation of safety and control systems of heating in automated heating boilers. Nov. tekh. zhil.-kom. khoz.:Zhil. khoz. no.2: 71-85 '63. (MIRA 18:6)

LERNER, B. N.

LERNER, B.N., nauchnyy sotrudnik AKKh; STOLPNER, E.B., nauchnoyy sotrudnik LNII AKKh.

[Gas heating systems] Szhiganie gaza v otopitel'nykh pechakh. [Sostaviteli: B.N.Lerner, E.B. Stolpner] Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1953. 26 p. (MLRA 7:7)

1. Sektor energetiki Akademii kommunal'nogo khozyaystva imeni K.D.Pamfilova i Otdel gazifikatsii Leningradskogo nauchno-issledovatel'skogo instituta AKKh. 2. Akademiya kommunal'nogo khozyaystva, Moscow.
(Heating) (Gas as fuel)

KOVALEVSKIY, I.I., kand. tekhn. nauk; prinyali uchastiye: MERINOV, N.A., inzh.; LEVIN, V.B., inzh.; SENINA, R.V., tekhnik; LERNER, B.N., kand. tekhn. nauk; PRAVOVEROV, K.N., kand. tekhn. nauk; SOSNIN, Yu.P., kand. tekhn. nauk, red.; NINEMYAGI , D.K., red. izd-va; OSENKO, L.M., tekhn. red.

[Album of heating furnaces and stoves] Al'bom otopitel'nykh i bytovykh pechei. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam. Pt.1. [Heating furnaces] Pechi otopitel'nye. 1961. 85 p. (MIRA 14:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Rostov-on-Don. 2. Laboratoriya otopitel'nykh pechey i ochagov nauchno-issledovatel'skogo instituta sanitarnoy tekhniki Akademii stroitel'stva i arkhitektury SSSR (for Merinov, Levin, Senina). 3. Laboratoriya otopleniya i ventilyatsii Instituta po stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR (Rostov-na-Donu) (for Kovalevskiy). 4. Akademiya kommunal'nogo khozyaystva RSFSR imeni K.D.Pamfilova (for Lerner, Pravoverov)

(Furnaces, Heating)

LERNER, B.N.

Economic effectiveness of general automatic control systems for water-heating boilers operating on gas. Avtomatiz. otop. kot. no.3:158-164 '63. (MIRA 16:10)

1. Akademiya kommunal'nogo khozyaystva.
(Automatic control) (Boilers) (Water heaters)

AFONIN, K.B.; BURTSEV, K.I.; BYSTROV, S.N.; VINETS, G.B.; VODNEV, G.G.; VORONIN, A.S.; GEVLICH, A.S.; GRYAZNOV, N.S.; GUDIM, A.F.; GUSYATINSKIY, M.A.; DVORIN, S.S.; DIDENKO, V.Ye.; DMITRIYEV, M.M.; DOIDE, M.M.; DOROGOBID, G.M.; ZHDANOV, G.I.; ZAGORUL'KO, A.I.; ZELENETSKIY, A.G.; IVASHCHENKO, Ya.N.; KAFTAN, S.I.; KVASHA, A.S.; KIREYEV, A.D.; KLISHEVSKIY, G.S.; KOZYREV, V.P.; KOLOBOV, V.N.; LGALOV, K.I.; LEYTES, V.A.; LERNER, B.Z.; LOBODA, N.S.; LUBINETS, I.A.; MANDRYKIN, I.I.; MUSTAFIN, F.A.; NEMIROVSKIY, N.Kh.; NEFEDOV, V.A.; OBUKHOVSKIY, Ya.M.; PERTSEV, M.A.; PETROV, I.D.; PODOROZHANSKIY, M.O.; POPOV, A.P.; RAK, A.I.; REVYAKIN, A.A.; ROZHKOV, A.P.; ROZENGAUZ, D.A.; SAZONOV, S.A.; SIGALOV, M.B.; STOMAKHIN, Ya.B.; TARASOV, S.A.; FILIPPOV, B.S.; FRIDMAN, N.K.; FRISHBERG, V.D.; KHAR'KOVSKIY, K.V.; KHOLOPTSEV, V.P.; TSAREV, M.N.; TSOGLIN, M.B.; CHERNYY, I.I. CHERTOK, V.T.; SHELKOV, A.K.

Samuil Berisevich Bamme. Koks i khim. no. 6:64 '56. (MLRA 9:10)
(Bamme, Samuil Berisevich, 1910-1956)

SHVARTS, Gersh Ayzikovich; MAYZLIN, Boris Savel'yevich; LERNER, B.Z., red.; GOLYATKINA, A.G., red.izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Automation and mechanization in coke shops] Avtomatizatsiia i mekhanizatsiia v koksovykh tsekhakh. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 191 p. (MIRA 14:12)

(Coke industry--Equipment and supplies) (Automation)

TAYTS, Ye.M., doktor tekhn. nauk; SHVARTS, S.A., kand. tekhn. nauk[deceased]; PEYSAKHZON, I.B., inzh.; GEL'FER, M.L., inzh.; DMITRIYENKO, M.T., inzh.; DORFMAN, G.A., inzh.; IZRAELIT, Ye.M., inzh.; KULAKOV, N.K., inzh.; KUSHLYANSKIY, B.S., inzh.; MEYKSON, L.V., inzh.[deceased]; LEONOV, A.S., inzh.; SHVARTS, G.A., inzh.; SHVARTSMAN, I.Ya., inzh.; YATSENKO, N.Ya., inzh.; BABIN, P.P., inzh.; KHANIN, I.M., doktor tekhn. nauk, prof., red.; KOZYREV, V.P., inzh., red., KUPERMAN, P.I., inzh., red.; LGALOV, K.I., inzh., red.; LEYTES, V.A., inzh., red.; LERNER, B.Z., inzh., red.; POTAPOV, A.G., inzh., red.; SHELKOV, A.K., red.

[By-product coke industry worker's handbook in six volumes] Spravochnik koksokhimika v shesti tomakh. Moskva, Metallurgiia. Vol.2. 1965. 288 p. (MIRA 18:8)

LERNER, D. M.

"Technology of Administering Primary Artificial Pneumothorax," Prob. Tuber., No. 5, 1949.

Mor., Tuberculosis Sanatorium No. 6, All-Union Central Council Trade Unions, Pesk, Moscow Oblast, -c1949-.

YESAKOV, Vasiliy Petrovich; PARFENOV, Eduard Yevgen'yevich; PROZOROV, Valentin Alekseyevich; LERNER, D.M., red.

[Automated electric drive systems with regulated semiconductor rectifiers] Sistemy avtomatizirovannogo elektroprivoda s upravliaemymi poluprovodnikovymi vypriamiteliami. Leningrad, 1964. 35 p. (MIRA 17:11)

ACC NR: AR7000952 SOURCE CODE: UR/0275/66/000/011/B017/B017

AUTHOR: Lerner, D. M.

TITLE: Silicon power rectifiers with increased reliability

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 11B101

REF SOURCE: Izv. Leningr. elektrotekhn. in-ta, vyp. 56, ch. 2, 1966, 10-13

TOPIC TAGS: silicon controlled rectifier, magnetic field, axial magnetic field, silicon

ABSTRACT: A brief description of a design and the production technology of rectifiers developed at the Leningrad Electrotechnical Institute, includes: production of rectifiers in a hermetically sealed ceramic casing, sealed by magnetic pressure in a strong pulsed magnetic field. The advantages of the design as noted include the removal of axial stresses from the element and a provision for utilization of clamped contacts in the casing's interior. [Translation of abstract] [AM]

SUB CODE: 09, 13/

Card 1/1 UDC: 621.382.2:621.314.632.4

LERNER, D. V.

LERNER, D. V. I SHCHEKIN, Z. YA.
36187 Nuzhen novyy pokazatel' klya planirovaniya i ucheta proizvodstva podoshvennoy reziny. Legkaya prom-st', 1949, No. 10, S. 16-17.

SO: Letopis' Zhrunal'nykh Statey, No. 49, 1949

KIPNIS, B.Ya.; KOLESNIKOV, V.N.; LERNER, D.V.; MINAYEV, S.M.; PANOVA, A.V.; LIFSHITS, I.D., kand. tekhn. nauk, retsenzent; MIKHAYLOV, V.A., inzh., red.; PLEMYANNIKOV, M.N., red.; BATYREVA, G.G., tekhn. red.

[Handbook on the manufacture of artificial leather] Spravochnik po proizvodstvu iskusstvennoi kozhi. Moskva, Gizlegprom. Vol.1. 1963. 523 p. (MIRA 16:12)
(Leather, Artificial)

L 14398-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 RPL WW/RM
ACCESSION NR: AP4045697 S/0138/64/000/009/0013/0014

AUTHOR: Shokhin, I. A.; Lerner, E. G.; Drozdovskiy, V. F. 30 29 B

TITLE: Mechanochemical modification of vulcanizates with high polymers

SOURCE: Kauchuk i rezina, no. 9, 1964, 13-14

TOPIC TAGS: butadiene styrene rubber vulcanizate, mechanochemical modification, poly(methylmethacrylate), reclaimed rubber, modified rubber

ABSTRACT: The paper describes the results of experiments conducted to effect a mechanochemical modification of butadiene-styrene rubber (SKS-30 ARM) vulcanizates with polyisobutylene, polyisoprene, and poly(methyl methacrylate). The modification was carried out during the reclaiming of vulcanizates on a screw devulcanizer at 180—190C, by adding 15% of the polymer in chloroform solution to crumb rubber. The experiments were conducted with filled vulcanizates (50% HAF carbon black) and with unfilled vulcanizates to which 50% of the black was added. Up to 30% (optimum amount, 15%) softener (masut) and 3%

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ACCESSION NR: AP4045697

trichlorobenzenethiol were added to the mixture. The extent of the modification was evaluated from the change in weight of the reclaim portion insoluble in acetone and chloroform. It was shown that vulcanizates are not modified in the case of polyisobutylene and polychloroprene. In the case of poly(methyl methacrylate), the weight of vulcanizates increased, independently of their molecular weight, by 12—14%, which corresponds to the chemical addition of 45—51% of the polymer charged. Reclaims of HAF carbon black-filled vulcanizates contain unreacted poly(methyl methacrylate) and are very rigid. Vulcanizates of these reclaims exhibit enhanced hardness and resistance to swelling in hydrocarbons, but a lowered wear- and tear-resistance, tensile strength, and low-temperature resistance. Orig. art. has: 1 table

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promy*shlennosti (Scientific Research Institute of the Tire Industry)

SUBMITTED: 00 ENCL: 00 SUB CODE: GC, MT

NO REF SOV: 003 OTHER: 007

Card 2/2

LERNER, E. N.:

LERNER, E. N.: "The pathogenesis of the pain syndroms in intrathoracic blood transfusion and injection of drugs." Min Health USSR. Central Inst for the Advanced Training of Physicians. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science.)

Knizhnaya Letopis'
No 32, 1956. Moscow.

LERNER, E.N.

Analgesia in intrasternal blood transfusions and infusions of medicinal solutions [with summary in English]. Eksper.khir. 2 no.4:60-63 Jl-Ag '57. (MIRA 10:11)

1. Iz kafedry operativnoy khirugii (zav. - dotsent N.P.Novikov) Chernovitskogo meditsinskogo instituta i iz klinicheskogo nevrologicheskogo otdeleniya (zav. - prof. S.N.Savenko) Chernovitskoy psikho-nevrologicheskoy bol'nitsy.

(INFUSIONS, PARENTERAL, anesth. and anlgesia methods in intrasternal blood transfusion & infusion of drugs)

(BLOOD TRANSFUSION intrasternal, anesth.)

LERNER, E.N. (Chernovitsy)

Intrasternal blood transfusion and infusion of medicinal substances. Klin.med. 35 no.12:86-92 D '57. (MIRA 11:2)

1. Iz kafedry operativnoy khirurgii (zav. - dotsent N.P.Novikov) Chernovitskogo meditsinskogo instituta i klinicheskogo nevrologicheskogo otdeleniya (zav. klinikoy prof. S.N.Savenko) Chernovitskoy psikh-nevrologicheskoy bol'nitsy

(BLOOD TRANSFUSION
intrasternal (Rus))
(STERNUM,
intrasternal admin. of drugs & blood transfusion (Rus))

LERNER, E.N.

Mechanism by which intrasternally administered drugs spread out and disappear. Khirurgiia 34 no.6:127-129 Je '58 (MIRA 11:8)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav. - dots. N.P. Novikov) Chernovitskogo meditsinskogo instituta.
(DRUGS,
intrasternal administration mechanism of diffusion & disappearance (Rus))

LERNER, E.N.

Importance of electroencephalography in differential diagnosis of hemorrhagic and thrombotic apoplexy. Zhur. nevr. i psikh. 63 no.4:503-510 '63. (MIRA 17:2)

1. Klinika nervnykh bolezney (zav. - prof. N.S. Chetverikov) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

LERNER, E.N.; BIBILEYSHVILI, Sh.I.; LAPITSKIY, M.A.

Electric activity of the brain in experimental intracerebral hematomas and in thermocoagulation of cerebral vessels. Zhur. nevr. i psikh. 64 no. 12:1792-1798 '64. (MIRA 18:1)

1. Kafedra nervnykh bolezney (zaveduyushchiy - prof. N.S. Chetverikov) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

LERNER, E.N.; LAPITSKIY, M.A.

Effect of aminazine in experimental intracerebral hemorrhage: electrophysiological study. Zhur.nevr. i psikh. 66 no.1:71-77 '66. (MIRA 19:1)

1. Kafedra nervnykh bolezney (zaveduyushchiy - prof. N.F. Chetverikov) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva. Submitted April 28, 1964.

VOLOSHCHENKO, V.O.; LERNER, F.M.; LOTOTS'KYY, K.V.; KHODOROVYCH, M.A.; KVACHOV, G., redaktor; MINEVYCH, I., technicheskiy redaktor.

[Operation and maintenance of rural electric power plants] Eksploatatsiia i remont sil's'kykh elektroustanovok. Kyiv, Derzh.vyd-vo tekhn. lit-ry URSR, 1952. 251 p.[Microfilm] (MLRA 8:2)
(Electric power plants)

KHODOROVICH, Mikhail Antonovich; LERNER, F.M.; LOTOTSKIY, K.V.; VOLOSHENKO, V.A.; PETROV, I.V.; POYARKOV, K.M., redaktor; BALLOD, A.I., tekhnicheskiy redakter; VESKOVA, Ye.I., tekhnicheskiy redaktor. (MLRA 9:5)

[Operating and repairing electric farm equipment] Ekspluatatsiia i remont sel'skokhoziaistvennykh elektricheskikh ustanovok. Moskva, Gos.izd-vo selkhoz.lit-ry, 1955.312 p.
(Electricity in agriculture) (Electric engineering)

PETROV, I.V.; LOTOTSKIY, Konstantin Vasil'yevich; LERNER, F.M.; KHODOROVICH, M.A.; POYARKOV, K.M., red.; GUREVICH, M.M., tekhn.red.

[Electric engineering and use of electric power in agriculture] Elektrotekhnika i primenenie elektricheskoi energii v sel'skom khoziaistve. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 373 p. (MIRA 12:1)
(Electricity in agriculture)
(Electric engineering)

8(6) SOV/112-59-5-8844

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 5, p 61 (USSR)

AUTHOR: Lerner, F. M.

TITLE: Experience With Preservative-Treating the Wooden Poles and Stubs of Rural Lines in the Ukrainskaya SSR

PERIODICAL: Sb. tekhn. inform. po sel'sk. elektrifik., 1958, Nr 8-9, pp 117-122

ABSTRACT: The service life of wood used in transmission lines, causes of its rotting, and steps for lengthening the life of poles and stubs are considered. Formulae are given for preparing antiseptic pastes, and recommendations are offered for wood treating by various methods. Cost of treating 1 m^3 of pole wood is estimated, and laboratory checking of the quality of antiseptic treatment is briefly described.

F.F.V.

Card 1/1

KOMAROV, D.T.; LERNER, [illegible]

Scientific technical conference. Mekh. i elek. sots. sel'khoz. 16 no.3:59-60 '58. (MIRA 11:6)
(Ukraine--Rural electrification)

L[illegible]R, [illegible], [illegible]

New method of [illegible].
[illegible] (MIRA [illegible])
([illegible])

KHODOROVICH, M.A.; LERNER, F.M.; LOTOTSKIY, K.V.; VOLOSHCHENKO, V.A.; PETROV, I.V.; NIKITINA, V.M., red.; DEYEVA, V.M., tekhn. red.

[Operation and repair of agricultural electric systems] Ekspluatatsiia i remont sel'skokhoziaistvennykh elektricheskikh ustanovok. Izd.2. Moskva, Izd-vo sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 335 p. (MIRA 15:1)
(Electric power distribution) (Electricity in agriculture)

LERNER, F.M., inzh.-elektrik

Economizing on electric power without special expenditures.
Mekh. sil'. hosp. 11 no.5:22-23 My '60. (MIRA 14:3)
(Electricity in agriculture)

LERNER, F.M., inzh.-elektrik

Experience in increasing the voltage of rural electric networks.
Mekh. sil'. hosp. 12 no. 6:24 Je '61. (MIRA 14:5)
(Electricity in agriculture)

LERNER, F.M., inzh.-elektrik

Reliable power supply for agricultural production. Mekh. sil'. hosp 12 no.11:20-21 N '61. (MIRA 14:11)
(Electricity in agriculture)

ROZANOV, A.Ya.; LERNER, F.S.

Phosphorylation of thiamine in the tissue of guinea pigs infected with tuberculosis, treated and untreated with tubazid. Probl. tub. 42 no.11:58-62 '64. (MIRA 18:8)

1. Laboratoriya biokhimii (rukovoditel' - kand.med.nauk A.Ya. Rozanov) Odesskogo nauchno-issledovatel'skogo instituta tuberkuleza (direktor - kand.med.nauk M.A.Brusnikin)

LERNER, G., smennyy master

Great changes. Okhr.truda i sots.strakh. no.5:41-42 N '58.
(MIRA 12:1)

1. Moskovskiy transformatornyy zavod.
(Moscow--Industrial hygiene)

MAMEDOV, Shamkhal; LERNER, G.

Investigation in the field of simple glycol ethers and their derivatives. Part 40: Synthesis of chloral acetals. Zhur.ob.khim. 32 no.2:403-407 F '62. (MIRA 15:2)

1. Institut neftekhimicheskikh protsessov AN Azerbaydzhanskoy SSR.

(Chloral) (Acetals)

LEBNER, G.D.

Surgical education in the fifth year of medical school; practice. Khirurgiia, Moskva no. 1:61-66 Jan 1953. (CLML 24:2)

1. Candidate Medical Sciences. 2. Of the Department of Hospital Surgery (Head -- Prof. I. A. Shrayer), Vinnitsa Medical Institute.

LERNER, G.D., Kandidat meditsinskikh nauk; adres avtora G. Rybnitsa, Moldavskoy SSR, Rayonnaya bol'nitsa.

Case of unusual malignant tumors. Vest.khir.74 no.7 O-N '54. (MLRA 8:10)
(NECK, neoplasms, liposarcoma)

LERNER, Grigoriy Veniaminovich; PETUKHOV, Georgiy Alekseyevich; DENISOVA, I.S., red.; SHADRINA, N.D., tekhn.red.

[Trade unions' control of wages and the setting of work norms for workers] Kontrol' profsoiuzov po zarabotnoi plate i normirovaniiu truda rabochikh. Izd-vo VTsSPS Profizdat, 1958. 125 p. (MIRA 12:4)

(Wages) (Trade unions) (Production standards)

LERNER, I. V.

GAL'TSOV, A.D.; DENISYUK, I.N.; LEVANDOVSKIY, S.N.; LOSEV, A.G.; PEZIK, M.O.; PETROCHENKO, P.F.; SAVOS'KIN, N.M.; TRUBITSKIY, G.R.; KHISIN, R.I.; KHROMILIN, V.A.; ALEKSEYEV, S.S., retsenzent; GAL'PERIN, L.I., retsenzent; GRANOVSKIY, Ye.N., retsenzent; ZAKHAROV, N.N., retsenzent; KVASHNIN, S.A., retsenzent; KEREKESH, V.V., retsenzent; KOTENKO, I.N., retsenzent; LIVSHITS, I.M., retsenzent; LERNER, G.V., retsenzent; NEVSKIY, B.A., retsenzent; NOVIKOV, V.F., retsenzent; RAZAMAT, E.S., retsenzent; SERGEYEV, A.V., retsenzent; STEFANOV, V.P., retsenzent; TOLCHENOV, T.V., retsenzent; FEDOTOV, F.G., retsenzent; VOL'SKIY, V.S., red.; STRUZHESTRAKH, Ye.I., red.; USPENSKIY, Ya.K., red.; SEMENOVA, M.M., red.izd-va; MODEL', B.I., tekhn.red.

[Handbook for work-norm experts in machine manufacture] Spravochnik normirovshchika-mashinostroitelia v 4 tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.1. [Fundamentals of technical normalization] Osnovy tekhnicheskogo normirovaniia. 1959. 676 p. (MIRA 12:12)

(Standardization)

MAMEDOV, Shamkhal; LERNER, G.Ya.

"Trifan", a new DDT analog. Azerb.khim.zhur. no.6:87-93 '61.
(MIRA 15:5)

(DDT (Insecticide))

IERNER, G.Ya.

Methods of surgical treatment of functional urinary incontinence in women. Urologiia. 29 no.3:25-28 My-Je '65. (MIRA 18:10)

1. Tyumenskaya oblastnaya bol'nitsa (glavnyy vrach A.A. Molchanenko, nauchnyy rukovoditel' - dotsent L.Ya. Shnitser).

MAMEDOV, Shamkhal; LERNER, G.Ya.; KHYDROV, D.N.

Glycol ethers and their derivatives. Part 65: Synthesis of alkoxymethyl ethers of trichloromethylphenylcarbinol. Zhur.ob.khim. 34 no.1:53-58 Ja '64. (MIRA 17:3)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

MAMEDOV, Shamkhal; LERNER, G.Ya.; GADZHIZADE, F.S.

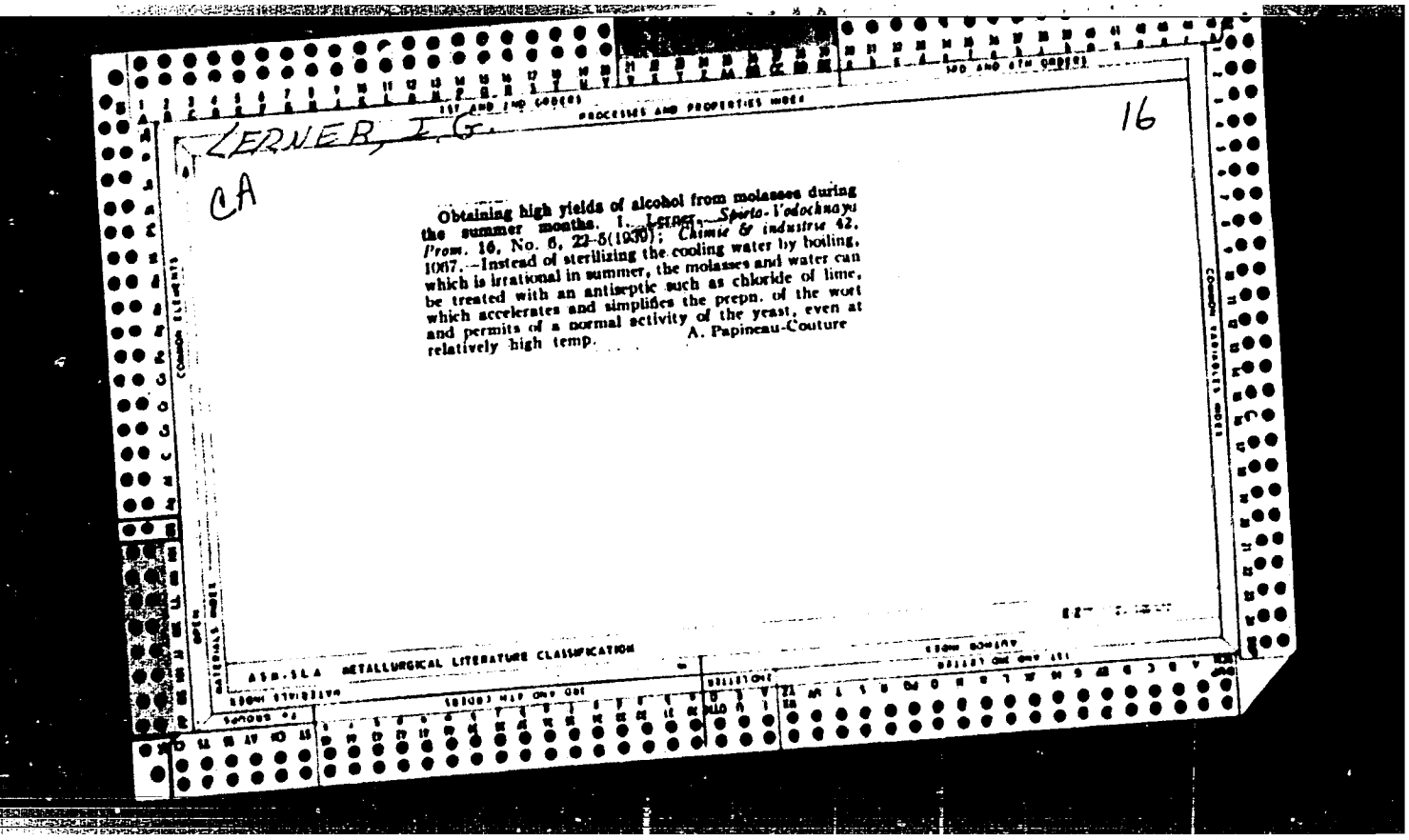
Glycol ethers and their derivatives. Part 100: Synthesis of β-chloroethoxymethyl ethers of tetramethylbutynediol. Zhur. org. khim. 1 no.9:1571-1574 S '65. (MIRA 18:12)

1. Institut neftekhimicheskikh protsessov AN Azerbaydzhanskiy SSR. Submitted February 24, 1964.

SHUMKOV, V.; KORNEYEV, V.; MAKSIMOV, M.; CHUMAK, B. (g.Lunganak)
SEMENOV, S. (g.Shakhty, Rostovskoy oblasti); LERNER, I. (g.Shakhty, Rostovskoy oblasti)

Our women heroes. Mast.ugl. 9 no.5:9-11 My '60. (MIRA 13:7)

(Women as miners)



LERNER, I. G.

16

CA

Obtaining high yields of alcohol from molasses during the summer months. I. Lerner. *Sporto-Vodochnaya Prom.* 16, No. 6, 22–5(1939); *Chimie & industrie* 42, 1067.—Instead of sterilizing the cooling water by boiling, which is irrational in summer, the molasses and water can be treated with an antiseptic such as chloride of lime, which accelerates and simplifies the prepn. of the wort and permits of a normal activity of the yeast, even at relatively high temp. . . . A. Papineau-Couture

LERNER, I. G.

Analysis of beer wort. I. G. Lerner. U.S.S.R. 104,305, Nov. 25, 1956. The amt. of reducing substances and the index of rotation in the polarization plane are first detd. Next, the index of rotation in an alc. soln. of the wort is detd. From these 2 indexes, the sugar and dext in content of the wort are calcd.

M. Hoseh

LERNER, I. G. Cand Tech Sci -- (diss) "A Study of the Raw Material and Products of the Brewery Industry ~~From the Standpoint~~ Provided for Their Content of Fermented Carbohydrates, and the Development of ~~the Related Determining Methods.~~ Methods to determine them." Kiev, 1957. 16 pp, 20 cm. 1 sep.
(Min of Higher Education Ukrainian SSR, Kiev Technological Inst of Food Industry im A. I. Mikoyan), 100 copies (KL, 17-57, 97)

LERNER, I.G.

[Utilization of the wastes of the dairy industry] Ispol'zovanie otkhodov molochnoi promyshlennosti. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 15 p. (MIRA 18:7)

KHEYFETS, D.I., inzh.; SHARGORODSKIY, Yu.A., inzh.; LERNER, I.I., inzh.; ORENTLIKHER, P.B., inzh., red.; VENTSKEVICH, L.A., red. izd-va;

[Instructions for testing and adjusting air conditioning systems] Instruktsiia po ispytaniiu i naladke sistem konditsionirovaniia vozdukha. Utv.6 dekabria 1961 g. Moskva, TSentr. biuro tekhn. informatsii. Tekhn.upr., 1962. 100 p. nomogrs. (MIRA 16:2)

1. Russia (1917- R.S.F.S.R.)Glavnoye upravleniye sanitarno-tekhnicheskogo montazha.
(Air conditioning--Equipment and supplies)

LERNER, I.L., dotsent (Kiyev)

Clinico-roentgenologic differential diagnosis between exudative pericarditis and myogenic dilatation of the heart. Klin.med. 35 no.4:18-25 Ap '57. (MIRA 10:7)

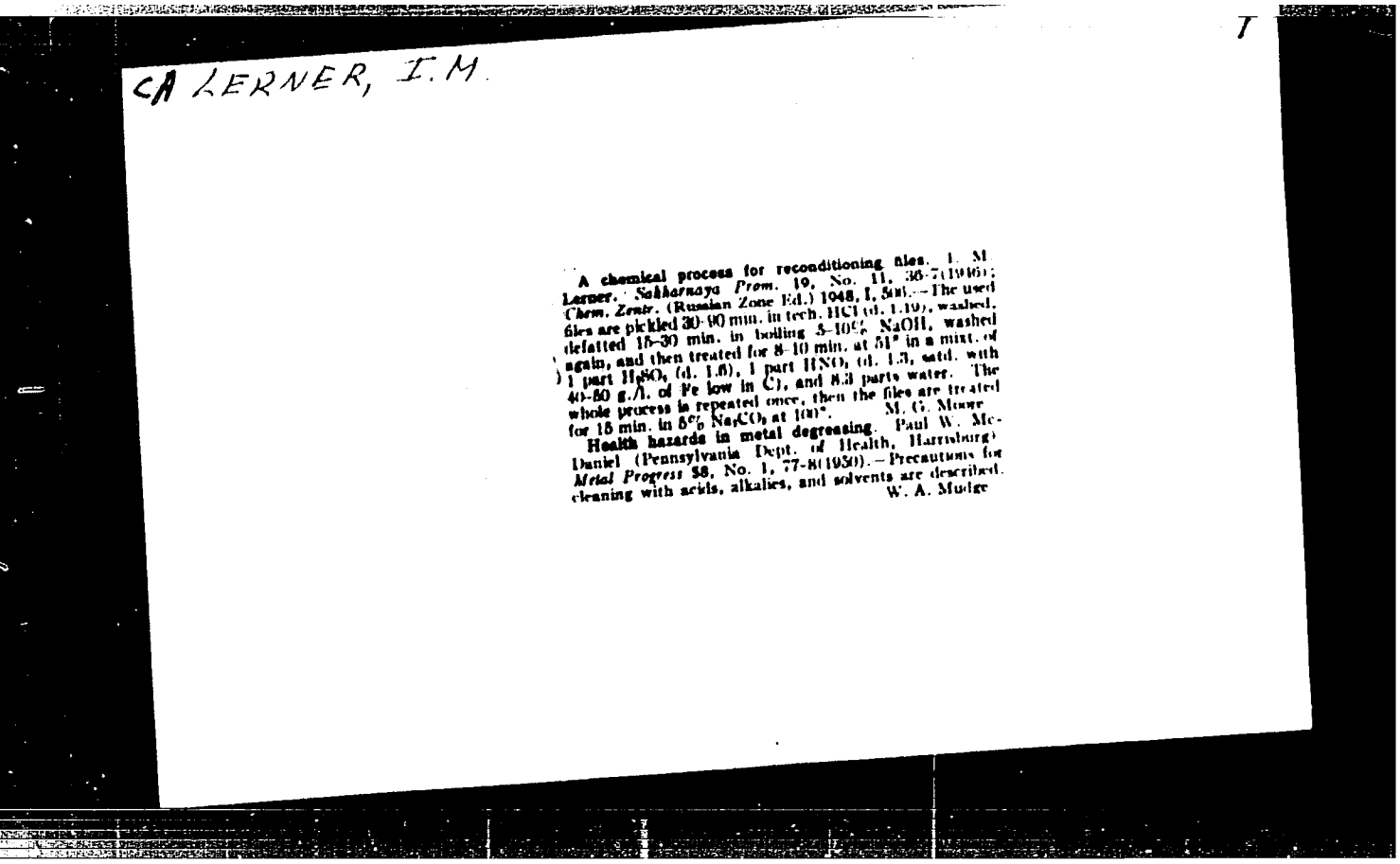
1. Iz pervoy kafedry terapii (zav. - prof. D.F.Chebotarev) Kiyevskogo instituta usovershenstvovaniya vrachey (dir. - zasluzhennyy deyatel' nauki prof. I.I.Kal'chenko)

(PERICARDITIS, differ. diag.
exudative pericarditis from myogenic dilatation of heart)
(HEART DISEASES, differ. diag.
myogenic dilatation of heart from exudative pericarditis)

LERNER, I.M.; LYSENKO, T.V.

Letters to the editor. Put' i put.khoz. 6 no.11:47-48 '62.
(MIRA 16:1)

1. Nachal'nik otdela kadrov Dzhankoyskoy distantsii puti, Pridneprovskoy dorogi (for Lerner). 2. Pomoshchnik dorozhnogo mastera Kaliningradskoy distantsii Litovskoy dorogi (for Lysenko).
(Railroads—Maintenance and repair)



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CA LERNER, I.M.

A chemical process for reconditioning files. I. M. Lerner. *Sakharnaya Prom.* 19, No. 11, 38-7(1945); *Chem. Zentr.* (Russian Zone Ed.) 1948, I, 581.—The used files are pickled 30-60 min. in tech. HCl (d. 1.19), washed, defatted 15-30 min. in boiling 5-10% NaOH, washed again, and then treated for 8-10 min. at 51° in a mixt. of 1 part H_2SO_4 (d. 1.6), 1 part HNO_3 (d. 1.3, satd. with 40-50 g./l. of Fe low in Cl), and 8.3 parts water. The whole process is repeated once, then the files are treated for 15 min. in 5% Na_2CO_3 at 100°. M. G. Moore

Health hazards in metal degreasing. Paul W. McDaniel (Pennsylvania Dept. of Health, Harrisburg) *Metal Progress* 58, No. 1, 77-8(1950).—Precautions for cleaning with acids, alkalies, and solvents are described. W. A. Mudge

LERNER, I. M.

25925. Mekhanizatsiya vygruzki uglya iz vagonov. Sakhar. prom-st', 1949, No 7, s. 28-31. Bibliogr: 6 nazv.

SO: Knizhnaya Letopis', Vol. 1, 1955

LERNER, I.M.

Tank truck for transporting alcohol. Spirt.prom. 23 no.8:18-20 '57. (MIRA 11:1)

(Tank trucks) (Alcohol--Transportation)

LERNER, I. M.

Out session of the Scientific Council of the All-Union Scientific Research Institute of the Distilling Industry at the Michurinsk Alcohol Plant. Spirt. prom.24 no. 4:44-45 '58. (MIRA 11:7)
(Distilling industries--Congresses)

SKRIPNIK, Ya.P.; LERNER, I.M.

For widespread use of new methods and equipment. Spirt. prom. 25 no.5:6-9 '59. (MIRA 12:10)
(Distilling industries--Equipment and supplies)

SKRIPNIK, Ya. P.; LERNER, I.M.; KONKIN, A.V.; BARAMIDZE, G.A.

Manufacturing protein fodder concentrates, antibiotics, and vitamins from alcohol production wastes. Spirt.prom. 27 no.4:21-25 '61. (MIRA 14:6)
(Distilling industries--By-products)

LERNER, I.M.

Bonding of hydraulic precast reinforced concrete structures using polymer cement and other compositions. Sbor. dokl. po gidr. VNIIG no.4:139-148 '62.

(MIRA 18:7)

LERNER, I. G.

"On the Segmental Construction of the Lungs," Khirurgiya, No. 2, 1948.

Mbr., Chair Operative Surgery & Topographic Anatomy, Kishinev Med. Inst., -c1948-.