Optimal parameters of ...

S/109/63/008/001/001/025
D271/D308

signal synthesis in a multi-scale system can be based on the requirement for minimal value of the likelihood of erroneous evaluation dispersion within the major maximum region of the probability function, provided that anomalous errors do not exceed a given value. Optimal signal is that which ensures minimal width of the major peak region of the probability curve. The case of two-scale measurement is treated as an illustrative example. The problem is set as follows: If the width of the major peak region of the probability function, determined on the fine scale, is a function of energy used in the fine scale and of the ratio of parameter variation rates on both scales, then the energy and the rate ratios are to be found which ensure that the largest maximum is a given number of times greater than side maxima. Results of the computation are shown graphically, for various values of the signal-to-noise ratio. Although only an idealized case has been analyzed, it is pointed out that in the main the solution is valid also for real signals with some unknown parameters. There are 3 figures.

SUBMITTED: January 20, 1962

Card 2/2

NARYSHKIN, A.K.; BASHARINOV, A.Ye., prof., red.

[Conversion of radar data into a digital form; summary
of lectures] Preobrazovanie radiolokatsionnoi informatsii
v tsifrovuiu formu; konspekt lektsii. Moskva, Energ.in-t
1964. 30 p.   (MIRA 17:12)

BASHARINOV, A.Ye.; BOGOMOLOV, A.F., prof., otv. red.; BEREZINA,
       Ye.P., red.

       [Methods for passive sighting; conspectus of lectures for
       a course on "Principles of radar"] Metody passivnogo vizi-
       rovaniia; konspekt lektsii kursa "Osnovy radiolokatsii"
       Vysshaia shkola, 1964. 33 p.   (MIRA 17:11)

ACCESSION NR: AP4042509   S/0109/64/009/007/1119/1126

AUTHOR: Basharinov, A. Ye.; Ananov, N. I.

TITLE: Efficiency of discrete algorithms for selecting spatial signals with correlated noise as a background

SOURCE: Radiotekhnika i elektronika, v. 9, no. 7, 1964, 1119-1126

TOPIC TAGS: pattern recognition, noise suppression, signal recognition

ABSTRACT: Based on the findings of T. Merill, et al. (IRE Trans., 1960, EC-9, 4, 472),and J. Wolf, et al. (IRE Convent. Rec., 1961, pt. 4, 155), further formulas are developed that describe the discrete spatial filters intended for the recognition of patterns distorted by additive normal noise. It is found that: 1) the . sequence of noise-suppression and spatial-storage operations permits the materialization of an optimum pattern recognition; 2) with independent correlations between noises in different coordinate orientations the spatial noise-

Card 1/2

ACCESSION NR: AP4042509

suppression factor is determined by a product of single-dimensional noise-suppression characteristics and depends on the degree of correlation of noise in adjacent elements; and 3) energy losses connected with a nonoptimum noise suppression depend on the adjacent-element correlation degree; with this degree 0.9 or lower, the losses may reach 10 db or higher. Orig. art. has: 1 figure, 27 formulas, and 3 tables.

ASSOCIATION: none

SUBMITTED: 10May63

SUB CODE: EC, MA

ATD PRESS: 3083

NO REF SOV: 003

ENCL: 00

OTHER: 002

Card 2/2

TOPIC TAGS: brightness temperature, 8 mm wavelength, distance, signal attenuation ... 284, 707-710

BASHARINOV, A.Ye., doktor tekhn. nauk prof.; BOGOMOLOV, A.F.,
doktor tekhn. nauk prof., red.

[Use of wideband probe signals in distance and speed
measurements; a summary of lectures] Primenenie shiroko-
polosnykh zondiruiushchikh signalov pri izmereniiakh
dal'nosti i skorosti; konspekt lektsii. Moskva, Mosk.
energ. in-t, 1965. 33 p.   (MIRA 18:10)

L 7795-66   EWT(1)   GW
ACC NR: AP5027615   SOURCE CODE: UR/0109/65/010/011/1941/1948

AUTHOR: Ananov, N. I,; Basharinov, A. Ye.; Kirdyashev, K. P.; Kutuza, B. G.

ORG: none

TITLE: Fluctuations of radiation from a cloudy atmosphere in the millimeter band

SOURCE: Radiotekhnika i elektronika, v. 10, no. 11, 1965, 1941-1948

TOPIC TAGS: atmospheric radiation, millimeter band radiation, radio telescope

ABSTRACT: In the case of a cloudy atmosphere, the turbulent pulsations of
cosmic r-f radiation are compounded by single peaks which are due to the
variations of the integral absorption caused by wind-drifted clouds in the field of
vision of a radio telescope. Statistical evaluation of both the turbulent pulsations
(clear sky) and the peaks (cloudy sky) in terms of radio-brightness temperature is
offered. An experimental verification was carried out (in 1963) by means of
modulation radiometers on 2-meter radio telescopes operating at 4- and 8-mm

Card 1/2   UDC: 551.594.6

L 7795-66

ACC NR: AP5027615

wavelengths and on a 22-meter radio telescope working at 8-mm wavelength.
Over 150 experiments covered both overcast and broken-cloud conditions and
various types of clouds. The mean effective value of the cloud-radiation variation
was 6.75K, with a mean square spread of 4.25K; the most probable value of
variations lay within 5—5.5K. The curves of distribution of the mean intensity of
variations and of the correlation function of variations are shown. Orig. art. has:
5 figures and 16 formulas.

SUB CODE: 03, 17 / SUBM DATE: 20Jul64 / ORIG REF: 009 / OTH REF: 002

nw

Card 2/2

L 20426-66   EWT(1)   GW
ACC NR: AP6006778   SOURCE CODE: UR/0033/66/043/001/0149/0153

AUTHORS: Basharinov, A. Ye.; Kutuza, B. G.

ORG: Institute of Radio Technology and Electronics, Academy of Sciences SSSR
(In-t radiotekhniki i elektroniki Akademii nauk SSSR)

TITLE: On the nature of the Venusian cloud layer (Reported at the symposium on
Radio Astronomical Methods for Investigating Atmospheres and Surfaces of Planets,
held in Puerto Rico 25/V 1965)

ABSTRACT: The hypothesis on the presence of supercooled water droplets in the
Venusian cloud layer was investigated. On the basis of the phase rate radio
brightness temperature data, an extrapolation was made on the 8-mm integrated
absorption to microwave regions, using the extrapolation expression

$$\tau(\lambda) = \tau(\lambda_0) \frac{C(\lambda)}{C(\lambda)_0} \frac{\lambda_0}{\lambda}$$

Card 1/2   UDC: 523.4

L 20426-66
ACC NR: AP6006778

and assuming that the absorption is caused by water droplets. The results ob-
tained were then compared with radiometric absorption measurements in terrestrial
clouds   at   wavelengths of 0.4, 0.8, 1.6, and 3.2 cm, and with the measured
values of radio brightness temperatures on the night side of the planet Venus.
The good agreement between theory and the experimental results is accepted as a
verification of the water droplet hypothesis. The water content in the cloud
layer is estimated at 0.1 to 0.3 g/cm². Orig. art. has: 10 formulas, 2 figures,
and 2 tables.

[04]

SUB CODE: 03/ SUBM DATE: 01Apr65/ ORIG REF: 004/ OTH REF: 007/ ATD PRESS:
4222

Card 2/2 UV

PA 62T84

USSR/Mines and Mining   Mar 1948
    Mine Construction - Research
    Mines - Development

"The Problem of the Development of Mine Construction
in Lignite Deposits in the Right Bank Oblasts of the
Ukraine," L. D. Basharkevich, Engr, Dnepropetrovsk,
1½ pp

"Ugol'" No 3

Discusses research on mine development in the region
of Zhitomir, Kiev, Kirovograd, Dnepropetrovsk, and
Zaporozh'ye, and establishes method for determining
dimensions of the coal field and the most suitable
size for the mine.

62T84

BASHARKEVICH, L.D., ANTROPOV, A.N.; KUSOV, N.I.; DYUKOV, A.I.; SPERANSKIY, N.A.; KHEYTER, B.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; YEROFEYEV, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIFONTOV, R.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red.; YAKZHIN, A.A., red.; NIKIPELOV, V.Ye., red.; BEREZOVSKAYA, L.I., red. izd-va; PEN'KOVA, S.A., tekhn. red.

[Prospecting for coal and oil shale deposits] Razvedka mestorozhde-nii uglei i goriuchikh slantsev. Moskva, Gos. nauchn.-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1957. 61 p. (Metodicheskie ukaza-niia po proizvodstvu geologo-razvedochnykh rabot, no.9).
                (Coal--Geology)   (Oil shales)   (MIRA 11:4)

BASHARKEVICH, L.D.

New technical equipment for geological prospecting. Sov. geol. no.60:
180-189 '57.   (MIRA 11:3)

1. Ministerstvo geologii i okhrany nedr SSSR.
                    (Prospecting—Equipment and supplies)

BASHARKEVICH, L.D., red.

[Diamond drilling] Almaznoe burenie; sbornik statei.
Moskva, 1962. 76 p.   (MIRA 17:9)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i
okhrany nedr. Otdel nauchno-tekhnicheskoy informatsii
VIMSa.

BASHARKEVICH, L.D.

Problems of prospecting for coal deposits. Mat GKZ no.3:61-64
'63   (MIRA 18:1)

ACC NR: AP5025900

SOURCE CODE: UR/0057/65/035/010/1853/1859

AUTHOR: Basharov, R.; Gavrilovskaya, Ye. N.; Malkin, O.A.; Trekhov, Ye. S.

ORG: Moscow Engineering Physics Institute (Moskovskiy inzhenerno-fizicheskiy institut)

TITLE: Investigation of the cathode spots of a pulsed discharge between parallel electrodes

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 10, 1965, 1853-1859

TOPIC TAGS: gas discharge, discharge plasma, air, plasma gun, electrode, cathode spot

ABSTRACT: The 3 kV discharge of a 36 μfd capacitor between plane parallel copper electrodes in 9×10^{-3} mm Hg of air was investigated in order to obtain information concerning the processes taking place near the electrodes in a plasma gun. Ordinary and streak photographs of the electrodes were recorded during the discharge and the damaged electrode was subsequently examined under optical and electron microscopes. The streak photographs showed that while the discharge moved along the cathode at velocities up to 5×10^6 cm/sec there were bright regions that did not move. The presence of these stationary glowing regions was confirmed by the ordinary photographs, and small damaged regions were found by microscopic examination. These stationary glowing regions did not appear on the anode, and they are identified as cathode spots.

Card 1/2

UDC: 533.9

ACC NR: AP5025900   0

The cathode spots showed a complex microstructure (including microfractures observable
only with the electron microscope), which is described in some detail. It is conclud-
ed that the cathode spots of a pulsed discharge moving rapidly along a plane electrode
in a rarefied gas arise and exist independently of each other and remain stationary
during their whole life. It is also concluded that one must take account of the fine
structure of the cathode spot when attempting to estimate the current density; esti-
mates based on the gross structure alone will necessarily be too small. Orig. art.
has: 6 figures and 3 tables.

SUB CODE: EM, ME/ SUBM DATE: 18Dec64/ ORIG REF: 006/ OTH REF: 004

Card 2/2

OKSMAN, I. M.; YASHINA, A. I.; BASHAROVA, O. M.

Teeth - Diseases

Histological changes in the nerves of the pulp and crusta petrosa
in "amphodentosis" (paradentosis). Stomatologiia No. 3, 1952

BASHAYEV, K.; IVANOV, K.; POSOKHIN, V.; FEDOTOV, V.

Carry out decisions of the Fourth Congress of the All-Union Society
for Assistance to the Army, Air Force, and Navy. Za rul. 16 no.4:
2 of cover-1 Ap '58.   (MIRA 13:3)

1.Predsedatel' respublikanskogo komiteta Dobrovol'nogo obshchestva
sodeystviya armii, aviatsii i flotu Kazakhskoy SSR (for Bashayev).
2.Predsedatel' Kiyevskogo gorkoma Dobrovol'nogo obshchestva soydeystviya
armii, aviatsii i flotu (for Ivanov). 3.Predsedatel' Komsomol'skogo-
na-Amure gorodskogo komiteta Dobrovol'nogo obshchestva sodeystviya
armii, aviatsii i flotu (for Posokhin). 4.Nachal'nik Zizhne-Tagil'skogo
avtomotokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i
flotu (for Fedotov).
                    (Automobiles—Societies, etc.)
                    (Motorcycles—Societies, etc.)

SOURCE: RZh. mekhanika, Abs. 6 V276

AUTHOR: Bashayev, M. Ya.

TITLE: On the equilibrium equation and motion of a rod made of the elastic-viscous material described by the model of Academician A. Yu. Ishlinskiy

CITED SOURCE: Sb. Inzh. konstruktsii. Soprotivleniye materialov. Stroit. mekhan. L., 1962, 122-127

TOPIC TAGS: elasticity theory

TRANSLATION: The author derives a functional equation for displacements v of the points on a rod made of the elastic-viscous material described by a rheological model of the A. Yu. Ishlinskiy type with a relaxation period n and instantaneous and continuous elasticity moduli B and E. This equation in symbolic form is

$$\frac{\partial}{\partial t} \left[BLv - LS < Q_1, \ v \right] + \frac{1}{n} \left[ELv - LS < Q_1, \ v \right] = 0$$

Card 1/2

L 1344-64

ACCESSION NR: AR3005482

Depending on the form of the linear operators L and S along the coordinates and the signs < >, it may be algebraic, differential, integral, or finally, integro-differential. Here t is the time, and Q_i is the set of external stresses. The results obtained permit the construction of initial equations for the analysis of the processes of deformation of elastic-viscous systems according to the appropriate relations corresponding to ideally elastic systems. As illustrations, the author obtained: the equation of a bent axis for the case of static longitudinal bending, and the equation of bending oscillations with an integral (in the Stiltjes sense) representation of deflections, in particular, the equation of transverse oscillations of a hinge-supported rod loaded by a periodic longitudinal force. M. I. Rozovskiy.

DATE ACQ: 01 Jul 63   SUB CODE: PH   ENCL: 00

Card 2/2

AKRAMKHODZHAYEV, A.M.; AKHMEDZHANOV, M.A.; BABAYEV, A.G.; BABAYEV, K.L.;
    BATALOV, A.B.; BASHAYEV, N.P.; BAYMUKHAMEDOV, Kh.N.; BRAGIN,
    K.A.; BORISOV, O.M.; GABRIL'YAN, A.Sh.; GAR'KOVETS, V.G.;
    GOR'KOVOY, O.P.; GRIGORYANTS, S.V.; IBADULLAYEV, S.I.; ISMAILOV,
    M.I.; ISAMUKHAMEDOV, I.M.; KAKHKHAROV, A.; KENESARIN, N.A.;
    KRYLOV, M.M.; KUCHUKOVA, M.S.; LORDKIPANIDZE, L.N.; MAVLYANOV,
    G.A.; MOTSOKINA, T.M.; MALAKHOV, A.A.; MIRBABAYEV, M.Yu.;
    MIRKHODZHIYEV, I.M.; MUSIN, R.A.; NABIYEV, K.A.; PETROV, N.P.;
    POPOV, V.I.; PLATONOVA, N.A.; RYZHKOV, O.A.; SAYDALIYEVA, M.S.;
    SERGUN'KOVA, O.I.; SLYADNEV, A.F.; TULYAGANOV, Kh.T.; UKLONSKIY,
    A.S.; KHAMRABAYEV, I.Kh.; KHODZHIBAYEV, N.N.; CHUMAKOV, I.D.;
    SHAVLO, S.G.

    Khabib Mukhamedovich Abdullaev; obituary. Uzb.geol.zhur. 6
    no.4:7-9 '62.   (MIRA 15:9)
            (Abdullaev, Khabib Mukhamedovich, 1912-1962)

SULEYMANOVA, F.G.; BASHAYEV, V.Ye.; EL'QVICH, I.I.

Use of universal truck and tractor oils. Azerb.neft.khoz. 35 no.7:
34-35 Jl '56.   (MLRA 9:12)
                (Lubrication and lubricants)

BASHAYEV, V.Ye.; IL'OVICH, I.I.

Standards for automobile lubricating oils. Sbor.trud.AzNII MP
no.2:173-178 Ag '58.   (MIRA 12:6)
                    (Lubrication and lubricants)

SULEYMANOVA, F.G.; BASHAYEV, V.Ye.; EL'OVICH, I.I.

Comparison of the results of laboratory methods with the real
evaluation of crankcase oils for motors and tractors. Sbor.trud.
Az NII NP no.4:148-162 '59.   (MIRA 15:5)
            (Lubrication and lubricants--Testing)

SULEYMANOVA, Fat'ma Gamzayevna; EL'OVICH, Il'ya Isayevich; BASHAYEV,
    V.Ye., kand. tekhn. nauk, red.; KEGAMYAN, R., red.izd-va;
    POGOSOV, V., tekhn. red.

[Working properties of fuels and lubricating oils for modern
internal combustion engines] Ekspluatatsionnye svoistva topliv i
smazochnykh masel dlia sovremennykh dvigatelei vnutrennego sgo-
raniia. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1961.
150 p.   (MIRA 15:4)
                    (Petroleum as fuel)
            (Gas and oil engines--Lubrication)

36545
S/081/62/000/006/079/117
B167/B101

11.9700

AUTHOR: Bashayev V. Ye.

TITLE: Engine trials of additives developed by the INKhP,
            AN Azerb. SSR (AS Azerbaydzhanskaya SSR) to improve the
            operating properties of fuels and oils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 539, abstract
            6M247 (Sb. "Prisadki k maslam i toplivam" M, Gostoptekhizdat,
            1961, 329-333)

TEXT: The sulfonate additive СБ-3 (SB-3) and the additive БФК-1 (BFK-1)
(Ba) salt of the condensation product of alkyl phenol and formaldehyde)
improve the operating properties of Baku and eastern oils considerably
more than does the additive used on an industrial scale (Tsiatim-339).
Additions of 10% of SB-3 to the oil of an engine keep the piston rings
free-moving for considerable periods; the components of tractor Diesel
engines and of carburetor engines of type ГАЗ-51 (GAZ-51) remain bright.
The thermally supercharged engine ЯАЗ-204 (YaAZ-204) operates
satisfactorily for a long time with oil containing BFK-1, the piston   X
Card 1/2

Engine trials of additives developed ...   S/081/62/000/006/079/117
                                             B167/B101

rings remain free-running and the rate of wear acceptable; BFK-1 also
acts as an antioxidant. Combined addition of SB-3 and BFK-1 to Diesel
lubricating oil in the ratio of 1:4 yields a product of high wetting
power and improved stability. [Abstracter's note: Complete translation.]

Card 2/2

KULIYEV, A.M.; SULEYMANOVA, F.G.; SADYKHOV, K.I.; ZEYNALOVA, G.A.; EL'OVICH,
     I.I.; KHIGER, V.F.; BASHAYEV, V. Ye.; MUSHAILOV, A. Ye.

Improving the quality of motor oils from Baku petroleum. Khim.
i tekh. topl. i masel 9 no.6:35-39 Je'64   (MIRA 17:7)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

BASHCHANSKAYA, M.L.

Experiment in using neostigmine in combination with balneotherapy
in aftereffects of injuries of the spine and spinal cord. Sov.med.
18 no.3:12-13 Mr '54.   (MLRA 7:2)

1. Iz sanatoriya No.3 "Mashuk" Piatigorskogo kurorta (direktor
V.M.Opletin, nauchnyy rukovoditel' - professor M.A.Zakharchenko).
   (Soine--Wounds and injuries) (Spinal cord--Wounds and injuries)

PAVLOV, I.M.; GUREVICH, Ya.B.; ORZHEKHOVSKIY, V.L.; SHELEST, A.Ye.;
BASHCHENKO, A.P.

Effect of conditions of titanium heating on the indices
of hot rolling. TSvet. met. 35 no.7:75-79 Jl '62.

(MIRA 15:11)

(Titanium)
(Rolling (Metalwork))

L 12937-63   EWP(k)/EWP(q)/EWT(m)/BDS   AFFTC/ASD   Pf-4   JD/HM/HW/JG
ACCESSION NR: AP3002391   S/0279/63/000/003/0127

AUTHOR: Pavlov, I. M. (Moscow); Bashchenko, A. P. (Moscow); Gurevich, Ya. B.

TITLE: ... of the friction coefficient on temperature and ambient medium
... of iron, titanium, molybdenum, and niobium

... Izv. AN SSSR. tekhnicheskikh nauk. Metallurgiya i gornoye delo,

... vacuum, inert atmosphere, argon; iron, titanium,

L 12937-63
ACCESSION NR: AP3002391

The initial increase is explained by the decreasing resistance of iron to de-
formation, and the subsequent decrease, by the effect of iron scale, which
softens appreciably above 1000°C and acts as a lubricant. The friction coeffi-
cient of titanium increases slightly as temperature increases from 750 to
850°C, probably owing to some peculiarities of the α-β-transformation. In-
creasing the temperature to 1200° increases the friction coefficient, probably
owing to the action of positive pressure. Titanium scale does not soften in the
temperature range investigated and hence does not act as a lubricant but rather
increases the friction. The increase in the friction coefficient of molybdenum
in air at 850°C, is probably caused by
the increasing surface roughness associated with the increasing volatility of

Card

L 12932-63

ACCESSION NR: AP3000301

picture increase. The charging conditions of contact friction should thus be taken into account in determining the technology of the hot rolling of refractory metals ... ...

ASSOCIATION: none

SUBMITTED: 00000   DATE ACQ: 00Jul63   ENCL: 00

SUB CODE: MA, ML   NO REF SOV: 004   OTHER: 000

Card   2/2

L 10082-63
ACCESSION NR: AP3000203   EMP(k)/EMP(q)/EWT(m)/EDS—AFFTC/ASD—PF-4/JD/HM/EW/JG
S/0136/63/000/005/0063/0067 66

AUTHOR: Pavlov, I. M.; Shelest, A. Ye,; Gurevich, Ya. B.; Orzhekhovskiy, V. L.;
Bashchenko, A. P.

TITLE: Hot rolling of niobium in vacuum and in a protective atmosphere

SOURCE: Tsvetny•ye metally, no. 5, 1963, 63-67

TOPIC TAGS: niobium rolling, rolling in air, rolling in vacuum, rolling in
argon, oxidation, sealing, surface hardness, spread, forward slip, friction, roll
pressure

ABSTRACT: The effect of temperature and environment on the behavior of Nb in hot
rolling has been studied. Specimens 10 x 10 x 150 mm of commercial grade Nb cut
out of rolled plate were vacuum (approximately 10 sup -4 mm Hg) annealed at
1400C for 1 hr and rolled at 1000--1250C with a reduction of 20%. Several speci-
mens were heated and rolled in vacuum (approximately 10 sup -5 mm Hg) or in argon,
several were heated in vacuum (in ampules evacuated to 10 sup -2 mm Hg) and rolled
in air, and several were heated and rolled in air. Heating in air caused

Card 1/3

L 10087-63
ACCESSION NR: AP3000203

intensive sealing and a sharp increase of surface hardness due to the absence
of active gases, especially oxygen. Addition of Mn ...
surface hard... approximately ...

... rque increase with increasing temperature but are higher than in va...
... spread tends to increase with increasing temperature, while ...
... constant. Milling in air ...
... values obtained in air ... with ...
temperature. ... intensive oxidation of specimens ...
... milling in air. It ...

Card 2/3

L 10087-63
ACCESSION NR: AP3000203

ASSOCIATION: none

SUBMITTED: 00   DATE ACQ: 14Jun63   ENCL. 00

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

ph/
Card

PAVLOV, I.M.; GUREVICH, Ya.B.; SHELEST, A.Ye.; ORZHEKHOVSKIY, V.L.;
BASHCHENKO, A.P.

Investigating certain conditions for the hot rolling of
molybdenum, in vacuum, in an argon atmosphere, and in air.
TSvet.met. 36 no.2:68-71 F '63.   (MIRA 16:2)
  (Molybdenum)   (Rolling (Metalwork))   (Protective atmospheres)

L 18919-5

Card 2/3

, , , A. .

Measuring metal surface temperature during rolling. Izm. tekh.
no.11:37-38 N '64.   (MIRA 18:3)

the vacuum the gas content was even lower than in the billets, whereas in specimens

L 31139-66   EWT(m)/EWP(w)/EWA(d)/T/EWP(t)   IJP(o)   JD
ACC NR: AP6012234   SOURCE CODE: UR/0129/66/000/004/0019/0021

AUTHOR: Bashchenko, A. P.; Gurevich, Ya. B.; Kogan, L. I.; Teymer, D. A.; Entin, R. I.

ORG: TsNIIChERMET

TITLE: Investigation of steels susceptible to secondary hardening and strengthened by thermomechanical treatment

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 4, 1966, 19-21

TOPIC TAGS: steel treatment, thermomechanical treatment, low temperature treatment, high temperature treatment /45Kh5M3F, 42Kh2N2VFS, 44Kh5MVFS, 60Kh5MVFS

ABSTRACT: The effect of thermomechanical treatment on the properties of 45Kh5M3F, 42Kh2N2VFS, 44Kh5MVFS, and 60Kh5MVFS structural steels susceptible to secondary hardening has been investigated. Low temperature thermomechanical treatment (austenitizing at 1050—1100C for 15—20 min, cooling to 550C, plastic deformation with 75% reduction, water quenching followed by refrigeration in liquid nitrogen and tempering) improved the strength of all steels tested. For instance, at 330C the tensile strength was 230—266 kg/mm^2, the yield strength 233—260 kg/mm^2, the elongation 3%, and the reduction of area 15—30%. Corresponding figures for 480C were 204—246 kg/mm^2, 194—236 kg/mm^2, 3—4%, and 18—38%. However, 42Kh2N2VFS and 60Kh5MVFS steels in the as-hardened or low-tempered condition were brittle at room temperature. The yield strength can be increased to about 200 kg/mm^2 at 500C and about 250 kg/mm^2

Card   1/2   UDC: 539.374:621.785

L 31139-66

ACC NR: AP6012234

at 330C. High-temperature thermomechanical treatment brings about a less pronounced increase in strength, compared to LTTMT, but a higher ductility. High-temperature tempering of steels alloyed with elements causing secondary hardening can bring about a secondary martensitic transformation. Therefore, these steels should be retempered to eliminate the secondary martensite. The second tempering of conventionally hardened steel considerably increases strength and ductility, but in the case of steel subjected to LTTMT, increases only the ductility. Orig. art. has: 4 figures and 1 table.

[WW]

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 002/ ATD PRESS: 4240

Card 2/2 IC

BASHCHENKO, N. T.   137-1958-3-4540

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 10 (USSR)

AUTHORS: Kurumchin, Kh. A., Bashchenko, N. T.

TITLE: Investigation of the Sulfide Ores From the Lower Levels of the
            Tubinsk Mine of the Yuzhuralzoloto Trust (Issledovaniye
            sul'fidnykh rud nizhnikh gorizontov Tubinskogo rudnika tresta
            Yuzhuralzoloto)

PERIODICAL: Tr. n.-i. gornorazved. in-ta "Nigrizoloto", 1957, Nr 22,
            pp 117-123

ABSTRACT: Major mining minerals found in these deposits are: chalco-
            pyrite, sphalerite, and galenite. Two systems were tested:
            1) Cu-Pb-concentrate production, followed by separation;
            2) direct selection of Pb minerals. The second version is
            examined in detail. For an ore of given composition the follow-
            ing treatment regimen is recommended. Consumption of
            reagents: a) in the crushing process: 1000-1700 g/t of soda,
            500-750 g/t of Na_2S; b) in the drain of the classifier: 500-1500
            g/t of ferrous sulfate heptahydrate, 200-400 g/t NaCN; mixing
            time: 5-10 min; c) in alkaline lead flotation: 5-10 g/t of xanthate,
Card 1/2   4-8 g/t cresol; flotation time: 6-10 min; d) in alkaline copper

137-1958-3-4540

Investigation of the Sulfide Ores From the Lower Levels (cont.)

flotation: 500-1000 g/t H_2SO_4, 1500 g/t of zinc sulfate, 8-10 g/t of xanthate, 6-8 g/t of cresol, 8-10 g/t of aerofloat; length of contact with H_2SO_4: 1-2 min, flotation time: 5-10 min.

A. Sh.

Card 2/2

137-58-4-6356

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 4 (USSR)

AUTHOR: Bashchenko, N. T.

TITLE: An Investigation of the Effectiveness of Vibration Milling for Ores
            Requiring Fine Grinding (Issledovaniye effektivnosti vibratsion-
            nogo pomola dlya rud, trebuyushchikh tonkogo pomola)

PERIODICAL: Tr. N-i. gornorazved, in-ta "Nigrizoloto", 1957, Nr 24, pp
            106-108

ABSTRACT: Tests have been made of vibration mills (VM) for the grind-
            ing of hard quartz ores, industrial products that are difficult
            to grind (obtained in the treatment of raw materials), and other
            substances, with the purpose of determining the effectiveness
            of VM and the possibility of using them for the purposes
            indicated. It was found that the productivity of VM is 7-10
            times higher than that of ball mills, and power consumption is
            less. However, when grinding is done in VM, a considerable
            quantity of slimes come into being, and this has a negative ef-
            fect upon the flotation process. To grind ferrosilicon, a VM,
            model M-200, of 200 kg/hr capacity, capable of grinding mat-
Card 1/1   ter from 4 to 0.074 mm in size, is recommended.   A.Sh.

1. Ores--Grinding   2. Vibration mills--Applications

BOGATOV, Anatoliy Danilovich, kand. tekhn. nauk; ZUBYNIN, Yuriy
Leonidovich; BASHCHENKO, N.T., ved. red.

[Ore concentration in flow launers] Obogashchenie na
struinykh zhelobakh. Moskva, Nedra, 1965. 97 p.
(MIRA 18:4)

DOLOTOVA, I.A.; SALISHCHEVA, Ye.P.; BASHCHENKO,N.T., ved. red.

[Flotation specialist] Flotator. Moskva, Nedra, 1965.
86 p.   (MIRA 18:7)

BASHCHENKO, V. V.

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5569

Author: Bashchenko, V. V.

Institution: Physico-Mathematical Scientific Research Institute of the University of Rostov-on-Don

Title: Vacuum Distillation of Oil for Fractionation Pumps

Original Publication: Tr. n.-i. fiz.-matem. in-ta Rostovsk. n/D, un-ta, 1955, 27, No 6, 149-154

Abstract: No abstract

Card 1/1

BASHCHUK, I.A.

PA 41/4975

41/4975

USSR/Chemistry - Salvarsan   Apr 49
Chemistry - Arsenic Compounds

"Polymeric Arseno-Compounds: The Structure of Salvarsan," M. Ya. Kraft, I. A. Bashchuk, All-Union Sci Res Chemicophar Inst imeni S. Ordzhonikidze, Moscow, 4 pp

"Dok Ak Nauk SSSR" Vol LXV, No 4

Introduces data which casts doubt on the structural formula for salvarsan suggested by P. Ehrlich and A. Bertheim. Many of its chemical properties, especially those exhibited when salvarsan is obtained by different methods (the

USSR/Chemistry - Salvarsan (Contd)   Apr 49

colloidal characteristics are expressed in varying degrees) indicate a polymeric structure for the compound. Derives a formula for degree of polymerization when salvarsan is obtained by four different methods. Submitted by Acad A. N. Nesmeyanov, 29 Dec 48.

41/4975

GRIGOR'YEV, G.; KHLISTUN, B.; BASHCHUK, S.; DANKE, V.; GUBIN, A.; BLINDER, L.

What should be the standard design for keramzit plants. Stroi.mat. 10 no.8:32-33 Ag '64.

(MIRA 17:12)

1. Glavnyy inzhener Ul'yanovskogo kombinata stroitel'nykh materialov, Ul'yanovsk (for Grigor'yev). 2. Direktor zavoda keramzitovogo graviya, Khabarovsk (for Bashchuk). 3. Glavnyy inzhener zavoda krupnopanel'nogo domostroyeniya, Saratov (for Danke). 4. Glavnyy inzhener kombinata asbestotsementnykh konstruktsiy, Chimkent (for Gubin). 5. Nachal'nik Saranskogo domostroitel'nogo kombinata, Saransk (for Blinder).

CHERENKOVA, Yelena Lazarevna; KALININ, A.I., otvetstvennyy red.; BASHCHUK,
V.I., red.; KARABILOVA, S.F., tekhn. red.

[Long distance propagation of ultrashort waves] Dal'nee rasprostra-
nenie ul'trakorotkikh voln. Moskva, Gos. izd-vo lit-ry po voprosam
sviazi i radio, 1958. 40 p.   (MIRA 11:9)
          (Radio, Shortwave—Transmitters and transmission)

PECHKOVSKIY, Georgiy Aleksandrovich; BASHCHUK, V.I., red.; MARKOCH,
K.G., tekhn.red.

[Homemade wind-power electric unit] Samodel'nyi vetroelektri-
cheskii agregat. Moskva, Gos.izd-vo lit-ry po voprosam sviazi
i radio, 1958. 51 p.
       (Electric generators)   (Windmills)   (MIRA 13:2)

GORSHKOV, Aleksandr Pavlovich; RASHCHUK, V.I., red.; MARKOCH, K.G., tekhn.red.

[How to install radio receivers] Kak ustanovit' radiopriemnik.
Izd. 3., perer. Moskva, Gos. izd-vo lit-ry po voprosam sviazi
i radio, 1958. 85 p.   (MIRA 12:2)
        (Radio--Receivers and reception)

KOROVAYKOV, Aleksandr Aleksandrovich; KOROTIN, Aleksandr Ivanovich;
KLIMOV, V.P., otv.red.;-BASHCHUK, V.I., red.; SLUTSKIN, A.A.,
tekhn.red.

[Elimination of idle time in the operation of rediffusion
stations] Likvidatsiia prostoev radiouzlov. Moskva, Gos.izd-vo
lit-ry po voprosam sviazi i radio, 1959. 13 p.   (MIRA 13:4)

1. Nachal'nik Ivanovskoy direktsii radiotranslyatsionnoy seti
(for Korovaykov). 2. Nachal'nik Kemerovskoy direktsii radiotranslya-
tsionnoy seti (for Korotin).
                    (Radio stations)

LIKHTER, Yakov Iosifovich; KONOPLEVA, Ye.N., otv.red.; BASHCHUK,
V.I., red.; KARABILOVA, S.F., tekhn.red.

[Measure of atmospheric radio interference] Izmerenie
atmosfernykh radiopomekh. Moskva, Gos.izd-vo lit-ry po
voprosam sviazi i radio, 1959.   27 p.   (MIRA 12:9)
                    (Radio)

MALININA, Natal!ya Yevgen'yevna; KALININ, Yu.D., otv.red.; BASHCHUK,
V.I., red.; KARABILOVA, S.F., tekhn.red.

[Terrestrial magnetic field] Magnitnoe pole zemli. Moskva,
Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959. 39 p.

(MIRA 12:8)

(Magnetism, Terrestrial)

FURSOV, V.A., otv.red.; BASHCHUK, V.I., red.; KARABILOVA, S.F., tekhn.red.

[New equipment for broadcasting channels] Novaia apparatura radioveshchatel'nogo trakta; informatsionnyi sbornik. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959. 56 p.

1. Russia (1923- U.S.S.R.).Ministerstvo svyazi. Tekhnicheskoye upravleniye.
                (Radio--Apparatus and supplies)

SHUMSKAYA, N.N., red.; GASPAR'YANTS, E.M., red.; BASHCHUK, V.I., red.;
MARKOCH, K.G., tekhn.red.

[Long-distance radio communication on meter waves; collection of
translated articles] Dal'niaia radiosviaz' na metrovykh volnakh;
sbornik perevodnykh statei. Pod red. N.N.Shumskoi i E.M.Gaspar'-
iants. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959.
13? p.   (MIRA 13:3)
                    (Radio, Shortwave)

BEZLADNOV, Nikolay L'vovich; GERTSENSHTEYN, Boris Yakovlevich; SAVINA, Nina Aleksandrovna; BASHCHUK, V.I., red.; KARABILOVA, S.F., ., tekhn.red.

[Wire broadcast networks] Seti provodnogo veshchaniia. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959.   371 p.
(MIRA 12:9)

(Wire broadcasting)

KHMEL'NITSKIY, Yefroim Aronovich; KUZ'MIN, V.A., otv.red.; BASHCHUK,
V.I., red.; KARABILOVA, S.F., tekhn.red.

[Diversity reception and its evaluation] Raznesennyi priem
i otsenka ego effektivnosti. Moskva, Gos.izd-vo lit-ry po
voprosam sviazi i radio, 1960. 49 p. (MIRA 13:4)
(Radio--Receivers and reception)

GRINBERG, Grigoriy Borisovich; MOROZOV, Arkadiy Petrovich; KOGAN, A.B.,
    otv. red.; BASHCHUK, V.I., red.; SHEFER, G.I., tekhn. red.

[Combination of equipment at electric communications and wire broad-
casting repeater stations] Sovmeshchenie oborudovaniia usilitel'nogo
punkta elektrosviazi i radiofikatsii. Moskva, Gos. izd-vo lit-ry po
voprosam sviazi i rzdio, 1960. 49 p.   (MIRA 14:6)
                    (Radio stations—Equipment and supplies)
                            (Wire broadcasting)

KRIVOSHEYEV, Mark Iosifovich; SAMOYLOV, V.F., otv.red.; BASHCHUK, V.I.,
     red.; KARABILOVA, S.F., tekhn.red.

[Evaluation and measurement of fluctuating interferences in
television] Otsenka i izmerenie fluktuatsionnykh pomekh v tele-
videnii. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio,
1960. 78 p.   (MIRA 13:10)
          (Television--Interference)

SAMOYLOV, Vladimir Fedorovich; LYUDMIRSKIY, I.L., retsenzent; BREYTBART, A.Ya., otv.red.; BASHCHUK, V.I., red.; SHEFER, G.I., tekhn.red.

[Saw-tooth wave generators in television; theory and calculation principles] Generatory piloobraznogo toka v televizore; osnovy teorii i rascheta. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1960. 154 p. (MIRA 13:11)
      (Oscillators, Electric) (Television)

VLASOV, Vladimir Fedorovich [deceased]. Prinimali uchastiye: BATUSHEV, V.A.;
LEVITIN, S.M.; GALYAS, A.D.; AFANAS'YEVA, A.P.; NIKITIN, N.A.,
otv.red.; BASHCHUK, V.I., red.; MARKOCH, K.G., tekhn.red.

[Electronic and ionic devices] Elektronnye i ionnye pribory.
Izd.3., perer. i dop. /Moskva, Gos.izd-vo lit-ry po voprosam sviazi
i radio, 1960. 733 p.   (MIRA 14:1)
    (Electronic apparatus and appliances)   (Ions)

NIKITENKO, F.A., kand.geol.-mineral.nauk; BASHEGUROVA, K.I., inzh.

Practice in the compaction of macroporous settling soils in Novosibirsk. Trudy NIIZHT no.28:63-70 '62.   (MIRA 16:11)

BASHEGUROVA, M.I

USSR/Cultivated Plants - Grains.   L-2

Abs Jour   : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69227

Author   : Obraztsov, A.A., Bashegurova, M.I.
Inst   :
Title   : Effect of Soil Cultivation on Corn Yield.

Orig Pub   : Tr. Novosibir. s.-kh. in-ta, 1956, 10, 73-83

Abstract   : Based on 2 years' observations by the department of agro-
               chemistry the widest clogging of soil by weeds occurs in
               unbanked ploughing to a depth of 40 cm and the minimal
               one at the usual autumnal ploughing to a depth of 20 to
               22 cm. At the end of the vegetative period the content
               of nitrates in soil at a depth of 20 cm was higher on
               portions of deep unbanked ploughing, which also helped
               conserve more moisture in the soil. The maximal yield
               of green mass (159.3 centners/hectare) was obtained on
               an unbanked ploughing section, a single cultivation by a
               shallow plough without a mold board and by rolling.

Card 1/2

BASHELEYSHVILI, M.O.

Def. at Tbilisi State U.

New Integral Equations of the Anisotropic Theory of Elasticity and Their Application in the Solution of Boundary Problems

In an earlier article the authors constructed the fundamental solutions of the equations of the plane-stressed state of an anisotropic medium. In the present work the authors make use of these equations to construct four types of vector potentials which they call potentials of either a simple or double layer of the first or second kind. These potentials satisfy the equations of the plane-stressed state of an anisotropic medium as well as certain limiting equalities. (RZhMat, No. 8, 1955) Soobshch. AN Gruz. SSR, Vol. 15, No. 7, 1954, 415-422.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

O_{ι}

The author considers in the x,y-plane a finite multiply connected domain G
the boundary of which consists of m+1 disadjoint closed curves $S_1, \ldots, S_{m+1}$.
Thereby S_{m+1} encloses all the other curves and hence forms the outer boundary
of G, while $S_1, \ldots, S_m$ form its inner boundary. Furthermore it is assumed that
all the curves S_k (k=1,...m+1) possess a continuous curvature. Then the solution
of the differential equations of the statics of the orthotropic elastic body
with respect to the displacements is found with the boundary values which
correspond to the first boundary value problem - and this for the exterior
as well as for the interior of G. The author proves the existence of the
solutions he found by their uniqueness.

BASHELEYSHVILI, M.O.

Fundamental solutions of differential equations of an anisotropic elastic body. Soob. AN Gruz. SSR 19 no.4:393-400 0 '57.
(MIRA 11:5)

1. Tbilisskiy gosudarstvennyy universitet im. Stalina i Telavskiy gosudarstvennyy pedagogicheskiy institut im. Ya. Gogebashvili. Predstavleno akademikom V.D. Kupradze.
(Elasticity)   (Differential equations)

BASHELEYSHVILI, M.O.

Use of the method of integral equations in the effective solu-
tion of some fundamental boundary value problems of the
statics of an orthotropic elastic body. Trudy Vych.tsentra AN
Gruz.SSR 2:99-121 '62.   (MIRA 16:1)
        (Boundary value problems)   (Elasticity)

BASHELEYSHVILI, M.O.

Effective solution of the fundamental problems of the statics
of an anisotropic elastic body for a continuous ellipse and an
infinite plane with an elliptic opening. Trudy Mat. inst. AN
Gruz. SSR 28:4-20 '62.   (MIRA 16:8)

(Boundary value problems)   (Elastic solids)

BASHELEYSHVILI, M.O. (Tbilisi)

"Solution of the problem of a simply supported anisotropic plate by the method of Fredholm integral equations"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

BASHELEYSHVILI, M.O.; BURCHULADZE, T.V.; GEGELIYA, T.G. (Tbilisi)

"On some boundary problems of the theory of elasticity"

report presented at the 2nd All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 29 January - 5 February 1964

ACCESSION NR: AR4031078   S/0044/64/000/002/B107/B107

SOURCE: Referativny*y zhurnal. Matematika, Abs. 2B425

AUTHOR: Basheleyshvili, M. O.

TITLE: The solution of plane boundary value problems of statics of an aniso-
tropic elastic body

CITED SOURCE: Tr. Vy*chisl. tsentra. AN GruzSSR, v. 3, 1962(1963), 93-139

TOPIC TAGS: statics boundary value problem, anisotropic elastic body, equilibrium
equation fundamental matrix, equilibrium equation general operator, double shell
potential characteristic, simple shell potential characteristic, singular inte-
gral equation, Fredgol'm type integral equation, external force principal vector,
external force principal moment, half-plane

TRANSLATION: Using singular integral equations and Fredgol'm-type equations,
the author studies plane boundary value problems for the statics of an anisotropic
elastic body. Beforehand, the general characteristics of the fundamental matrix
and the general operator for a system of equilibrium equations for an anisotropic

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ACCESSION NR: AR4031078

body are investigated, as well as the characteristic for potentials of double and simple shells, on whose basis integral equations (simple and of the Fredgol'm type) are then constructed. It is proven that the last are always solvable if the principal vector and the principal moment for the system of external forces, applied to the body, are equal to zero. The author considers cases of finite and infinite domains, as well as the case where the principal vector and the principal moment have given value at infinity. The author concludes by considering the solutions of the basic problems for the half-plane.   V. Buyvol

DATE ACQ: 19Mar64   SUB CODE: PH   ENCL: 00

Card 2/2

BASHELEYSHVILI, M.O.

Solution of the third and fourth boundary value problems of the statics of an anisotropic elastic body. Soob. AN Gruz. SSR 35 no.2:277-284 Ag '64.

(MIRA 17:12)

1. Vychislitel'nyy tsentr AN Gruzinskoy SSR. Submitted June 24, 1963.

BASHELEYSHVILI, M.O.

Analog of Mind's formula in the theory of clasticity. Trudy Vych. tsentr. AN Gruz.SSR 4:121-129 '64   (MIRA 17:6)

Solution of the fundamental three-dimensional boundary value problems of the statics of an isotropic elastic body for multiply connected regions. Ibid.:131-139

Method for studying certain two-dimensional boundary value problems involving an anisotropic elastic body for multiply connected regions. Ibid.:141-166

BASHELEYSHVILI, M.O.; GEGELIA, T.G.

Fundamental three-dimensional boundary value problems for composite isotropic elastic media. Dokl. AN SSSR 160 no.1:50-53 Ja '65.

(MIRA 18:2)

1. Vychislitel'nyy tsentr AN GruzSSR. Submitted June 25, 1964.

BASHELEYSHVILI, M.O.

Method for solving the third and fourth boundary value problems
in the statics of anisotropic elastic bodies. Soob. AN Gruz.
SSR 34 no.2:283-290 My '64.   (MIRA 18:2)

1. Vychislitel'nyy tsentr AN GruzSSR. Submitted November 16, 1963.

BASHELEYSHVILI, M.O.

Solution of the problem involving the flexure of a supported anisotropic plate using the method of Fredholm integral equations. Soob. AN Gruz. SSR 39 no.1:29-36 Jl '65.

(MIRA 18:10)

1. Vychislitel'nyy tsentr AN GruzSSR. Submitted October 15, 1964.

BASHELKHANOV, A.B., nachal'nik.

Ways to reduce the cost of crude turpentine. Der.i lesckhim.prom. 2 no.10:
28-29 O '53.   (MLRA 6:9)

1. Planovo-ekonomicheskiy otdel tresta Irkutkhimles.   (Turpentine industry)

Bashenth, L. ye

BASHENIN, L.Ye.

All-Union Conference. Mashinostroitel' no.10:44 O '57. (MIRA 10:11)
(Riga--Mechanical engineering)

BASHENIN, L. Ye.

117-3-25/28

AUTHOR: Bashenin, L.Ye.

TITLE: Contest of Machine Builders of the Latvian Republic (Konkurs mashinostroiteley Latviyskoy respubliki)

PERIODICAL: Mashinostroitel', 1958, # 3, p 46 (USSR)

ABSTRACT: A contest was organized by the NTO Mashprom of the Latvian SSR, in which NTO members of the plants "Kompressor", "Sarkana Zvaygzne", and the Riga Railway Car Plant participated. Professor K.K. Neyland was the jury chairman. 20 valuable suggestions were presented, all of which were subsequently realized bringing about a conditional annual saving of 1 million rubles.
    The first prize of 3,000 rubles was awarded to the NTO organization of the plant "Sarkana Zvaygzne" for devising the technology and conveyer installation for painting and drying bicycle parts, with painting in an electrostatic field and drying by infra-red light radiated from panels. The panels cut by nearly 5 times the consumption of electric energy and increase the efficiency of the installation. The annual conditional saving achieved by this method is 427,000 rubles.

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Contest of Machine Builders of the Latvian Republic   117-3-25/28

       The NTO of the Riga Railway Car Plant got the second prize for introducing a precision casting method using cast patterns with the shell molding method. One of the third prizes was awarded for manufacturing compressor flywheels of "voloknit" instead of cast iron.

       Many workman and technicians (members of NTO) were awarded certificates of honour for putting technical improvements into practical use.

       The author thinks such contests should be arranged yearly.

AVAILABLE: Library of Congress

Card 2/2

BASHENIN, V.A.

Mechanism of sensitization. Zhu Biol. & Expt. Med. USSR 7:305-20. 1927

(Inst. Inf. Dis. im. Mechnikov, Moscow.)