

IVANOV, V.S.; BEZHAN, I.P.; LEVANDO, L.K.

Radiation-induced polymerization. Part 5. Vest. LGU 20 no.10:157-159
'65. (MIRA 18:7)

L 13364-66 EWT(m)/EPF(n)-2/EWF(j)/T/EWA(h)/EWA(L) GIG/RM

ACC NR: AP6003331

SOURCE CODE: UR/0074/66/035/001/0093/0120

AUTHOR: Ivanov, V. S.

ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet)

4/1
B

TITLE: Synthesis of high-molecular-weight compounds by radiation-induced polymerization η_{sp}/c

SOURCE: Uspekhi khimii, v. 35, no. 1, 1966, 93-120

TOPIC TAGS: macromolecular chemistry, radiation polymerization, monomers, polymer

ABSTRACT: A review of 352 Soviet and Western studies on the synthesis of polymers by radiation-induced polymerization is presented under the following headings: Introduction; 1) Radiation-induced polymerization of olefin hydrocarbons; 2) Diene hydrocarbons; 3) Halogen derivatives of olefin and diene hydrocarbons; 4) Unsaturated carboxylic acids and their derivatives; 5) Vinyl esters and ethers; 6) Vinyl derivatives of carbocyclic compounds; 7) Vinyl derivatives of heterocyclic compounds; 8) Allyl monomers; 9) Acetyl monomers; 10) Carbonyl compounds; 11) Nitriles of saturated carboxylic acids; 12) Isocyanates; 13) Cyclic monomers; 14) Organometallic monomers; 15) Inorganic monomers. Orig. art. has: 19 figures. [ATD. PRESS: 4169-F]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 121 / CITH REF: 231

Card 1/1

UDC: 541.14:542.352.6:541.64

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619210003-9

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619210003-9"

L 7875-66 EWT(m)/EPF(c)/EWP(j)/EWA(h)/EWA(1) RM

ACC NR: AP5025035

SOURCE CODE: UR/0286/65/000/016/0081/0084

AUTHORS: Medvedev, Yu. V.; Ivanov, V. S.; Ivanova, L. I.; Broger, A. Kh.
Osipov, V. B.; Gol'din, V. A.

ORG: none

TITLE: Method for obtaining polychloroprene. Class 39, No. 173947

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 84

TOPIC TAGS: rubber, chloroprene, polychloroprene, polymer, *polymerization*

ABSTRACT: This Author Certificate presents a method for obtaining polychloroprene by polymerization of chloroprene under the influence of γ -radiation. To regulate the molecular weight and structure of the polymer, the polymerization is carried out in the presence of amine and phenol type stabilizers.

SUB CODE: 07/

SUBM DATE: 12Feb62

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Card 1/1

UDO: 678.765.2.002.2

IVANOV, V.S.

Synthesis of high-molecular weight compounds by the radiation-
induced polymerization method. Usp. khim. 35 no.1:93-120 Ja '66.
(MIRA 19:1)

1. Leningradskiy gosudarstvennyy universitet.

IVANOV, V.S.; MEDVEDEV, Yu.V.; IVANOVA, L.I.

Radiation-induced polymerization. Part 6. Radiation polymerization
of chloroprene. Vest.LGU 20 no.22:154-164 '65.

(MIRA 18:12)

IVANOV, V.S.; SMIRNOVA, V.K.; SEMENOVA, A.Ye.; TSAO YUN [TS'ao Yung]

Synthesis of N-hydroxy imide of maleic acid. Zhur. org. khim.
l no.9:1705 S '65. (MIRA 18:12)

1. Leningradskiy gosudarstvennyy universitet. Submitted
December 25, 1964.

IVANOV, V.S.

Method for drying hydrogen. Energetik 13 no.6:27-28 Ja '65. (MIRA 18:7)

1. Nachal'nik tsekha masel i gazov Gosudarstvennogo trenta po organizatsii i ratsionalizatsii rayonnykh elektrostantsiy i setey.

L 1143-66 EWT(m)/EPF(c)/EWP(j)/T. RPL WW/AM

ACCESSION NR: AP5022009

UR/0281/65/004/014/0073/0078
678.762.2-134,485
678.762.2-139

27

4455
AUTHOR: Ivanov, V. S.; Buslavec, G. S. 4455

TITLE: A method for producing aldehyde rubber. Class 39, No. 172995 15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 78

TOPIC TAGS: synthetic rubber, aldehyde, styrene, butadiene, emulsion polymeriza-
tion

4455
ABSTRACT: This Author's Certificate introduces a method for producing aldehyde rubber by copolymerizing styrene and/or butadiene with α, β -unsaturated aldehydes in a water emulsion, using an initiator and emulsifiers. The properties of the aldehyde rubber are improved by conducting the copolymerization process at a pH of less than 7 using redox initiators, e. g. a cumene hydroperoxide-FeSO₄ system, and cation-active emulsifiers, e. g. Sapamine.

ASSOCIATION: none
SUBMITTED: 28Jun63
NO REF SOV: 000

ENCL: 00
OTHER: 000

SUB CODE: HT

Card 1/1 *mlb*

ACC NR: AP6000355 SOURCE CODE: UR/0206/65/000/021/CO:8/CO:8

AUTHORS: Ivanov, V. S.; Smirnova, V. K.; Boryaz, V. N.; Magunova, I. I.; Abramova, A. M.; Sidorova, T. I.; Kharitonov, N. P.; Breger, A. Kh.; Gol'din, V. A.

ORG: none

TITLE: Method for obtaining graft copolymers. Class 39, No. 176069

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 48

TOPIC TAGS: polymer, copolymerization, graft copolymer, radiation polymerization, imide, maleic acid

ABSTRACT: This Author Certificate presents a method for obtaining graft copolymers on the basis of poly-organosiloxanes by the interaction of ionizing radiation with a polyorganosiloxane powder in the presence of modifying additives. To improve the physicochemical properties of the graft copolymers and their thermal stability and solvent stability, imides, e.g., N-substituted imides of maleic acid, are used as modifying additives. The radiation dosage is 0.3--8 Mrad and the intensity of radiation is 0.05--0.7 Mrad per hour.

SUB CODE: 11/ SUBM DATE: 20Jul64

Card 1/1 HW

UDC: 678.011.517.531.547.462.3

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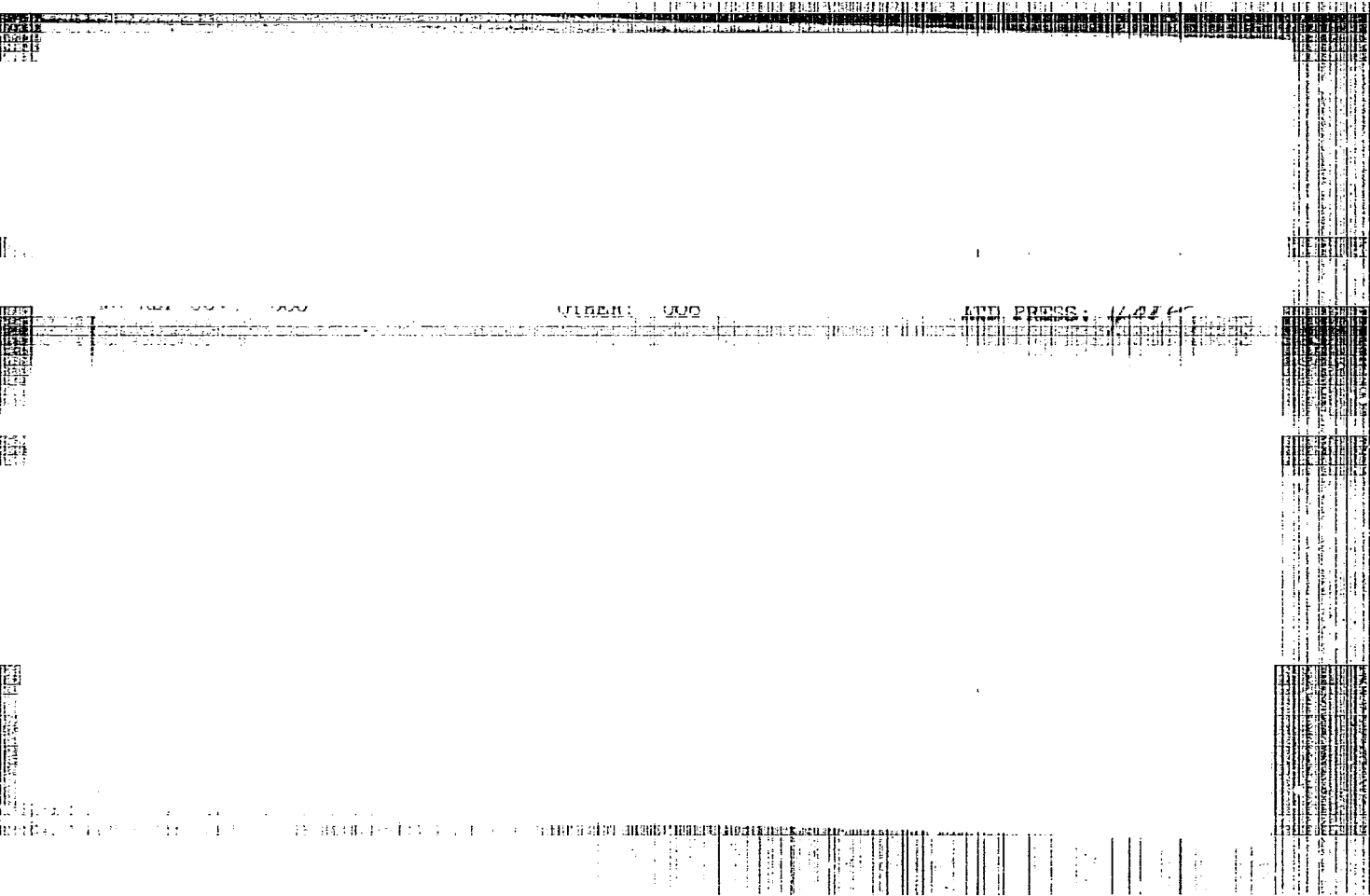
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MINKH, A.A., professor; IVANOV, V.S., ordinator; LEITMAN, S.S., assistant.

Dental caries in confectionery workers. Stomatologia, no.3:23-28
My-Je '54. (MLRA 7:6)

1. Iz kafedry terapevticheskoy stomatologii (zav. prof. Ye.Ye.Pla-
tonov) i kafedry gigny (zav. prof. A.A.Minch) Moskovskogo medi-
tsinskogo stomatologicheskogo insituta (dir. dotsent G.N.Beletskiy)
(DENTAL CARIES, epidemiology,
*in confectionery workers)

IVANOV, V.S., assistant

Morphological change in the gasserian ganglion in pyorrhea alveolaris.
Stomatologiya 37 no.4:16-20 JL-Ag '58 (MIRA 11:9)

1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. Ye.Ye. Platonov), kafedry normal'noy gistologii (zav. - prof. L.I. Falin) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dots. G.N. Beletskiy) i kafedry chelyustno-litsevoy khirurgii i stomatologii (zav. - prof. N.M. Mikhel'son) Tsentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva).
(TRIGEMINAL NERVE)
(PYORRHEA)

IVANOV, V. S., Candidate Med Sci (diss) -- "Morphological changes in the Gasserian ganglion in periodontosis". Moscow, 1959. 13 pp (Min Health RSFSR, Moscow Med Stomatological Inst), (KL, No 23, 1959, 172)

IVANOV, V.S.

IVANOV, V.S., kand.med.nauk

"Methods and techniques for treating diseases of the teeth" by
M.I.Groshikov and V.K.Parikeev. Reviewed by V.S.Ivanov.
Stomatologia 41 no.4:100 J1-Ag '62. (MIRA 15:9)
(TEETH-DISEASES)

IVANOV, V.S., kand.med.nauk; POMERANTSEVA, A.M., kand.med.nauk

Diagnosis, clinical aspects, and treatment of lichen rubber
planus of the mucuous membrane of the oral cavity. Stomatologia
41 no.5:12-16 S-O '62. (MIRA 16:4)

1. Iz kafedry stomatologii (zav. - prof. I.M.Starobinskiy)
TSentral'nogo instituta usovershenstvovaniya vrachey (dir.
M.D.Kovrigina) i Tsentral'nogo instituta travmatologii i
ortopedii.

(LICHEN RUBER)

(MOUTH--DISEASES)

IVANOV, V.S., kand.med.nauk

Comparative evaluation of some modern single-treatment methods
of treating periodontitis. Trudy TSU 64:27-32 '63.

Age changes in the gasserian ganglion in man. Ibid.:42-51

Experience in treating diseases of the temporomandibular joint
with hydrocortisone. Ibid.:168-171 (USSR 1965)

IVANOV, V. T.

PETUKHOV, L. G. - Kand. Arkhitektury, IVANOV, V. T., Arkh., NIKOLAYEV, I. S., Chl.-
Korr. Akademii Arkhitektury SSSR D-R Arkhtekhtury Prof., BAZANNOV, V. M. - Arkh.

Nauchno-issledovatel'skiy Institut Arkhitektury Obshchestvennykh i Promyshlennykh
sooruzheniy Akademii Arkhitektury SSSR

Promyshlennyye predpriyatiya v gorode

Page 62

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

IVANOV, V. T.

Looking for experience in Leningrad. Mashinostroitel' no.11:35-36
N '60. (MIRA 13:10)
(Leningrad--Milling machines--Technological innovations)

MARKHEL', Pavel Sil'vestrovich, kand. tekhn. nauk; PETROVA, Nina Nikolayevna, nauchnyy sotr.; RUSANOVA, Aleksandra Viktorovna, nauchn. sotr.; IZMAIL, Lyudmila Nikiforovna, nauchn. sotr.; BABUSHKIN, Aleksey Il'ich, master po remontu; IVANOV, Viktor Tikhonovich, pechnik; ALEKSANDROV, Vladimir Metod'yevich, inzh.; KONOVITSEV, Svyatoslav Nsevolodovich, inzh.-mekhanik; PRITYKINA, L.A., red.; KISINA, Ye.I., tekhn. red.

[Handbook on the overhauling of bakery equipment] Spravochnik po kapital'nomu remontu khlebopekarnogo oborudovaniya. Moskva, Pishchepromizdat, 1963. 307 p. (MIRA 16:7)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut khlebopekarnoy promyshlennosti. Leningradskoye otdeleniye.
2. Zaveduyushchiy sektorom ekonomiki, organizatsii proizvodstva i truda Leningradskogo otdeleniya Tsentral'nogo nauchno-issledovatel'skogo instituta khlebopekarnoy promyshlennosti (for Markhel').

(Bakeries--Equipment and supplies)
(Food machinery--Maintenance and repair)

IVANOV, V.T.

Demonstration of the new developments in textile techniques
on the screen. Tekst.prom. 20 no.6:47-50 Je '60.
(MIRA 13:7)

1. Nachal'nik otdela Tsentral'nogo byuro tekhnicheskoy
informatsii Mosoblasovnarkhoza.
(Motion pictures in industry)
(Textile industry)

IVANOV, V.T., inzh.

Valuable experience in technical promotion. Mekh.i avtom.proiz.
14 no.6:59-61 Je '60. (MIRA 13:7)
(Motion pictures in industry)

IVANOV, V.T.

Advanced industrial experience on a screen. Mashinostroitel' no.8:
35-36 Ag '60. (MIRA 13:9)

(Motion pictures in industry)

IVANOV, V.T.

Film about new textile goods. Tekst.prom. 20 no 8:54-56
ag '60. (MIRA 13:9)
(Textile industry) (Motion pictures in industry)

AVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; SHEMYAKIN, M.M.

Structure of enniatin A. Izv.AN SSSR.Otd.khim.nauk no.8:1497
Ag '62. (MIRA 15:8)

1. Institut khimii prirodnikh soyedineniy AN SSSR.
(Antibiotics)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSEKIN, A.A.

Total synthesis of sporidesmin 1. Izv.AN SSSR.Otd.khim.nauk no.9:1699-
1700 S '62. (MIRA 15:10)

1. Institut khimi prirodnkh soyedineniy AN SSSR.
(Sporidesmin)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.

Depsides. Report No.6: Preparation of L- and D-N-methylvalines.
Izv. AN SSSR. Otd.khim.nauk no.11:2046-2054 N '62.

(MIRA 15:12)

1. Institut khimii prirodnikh soyedineniy AN SSSR.
(Valine)

SHEMYAKIN, W. M.; OVCHINNIKOV, Yu. A.; KIRYUSHKIN, A. A.; IVANOV, V. T.

Depsides. Report No. 7: Structure of enniatin B. *Izv. AN SSSR*
Otd. khim. nauk no.12:2154-2161 D '62. (MIRA 16:1)

1. Institut khimii prirodykh soyedineniy AN SSSR.

(Depsides)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; KHALILULINA, K.Kh.

Synthesis of sporidesmolic acid B. Izv. AN SSSR. Otd. khim. nauk
no. 3:578-579 Mr '63. (MIRA 16:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Sporidesmolic acid)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Structure and total synthesis of enniatin B. Izv. AN SSSR.
Otd. khim. nauk no. 3:579 Mr '63. (MIRA 16:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Enniatin)

OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.; SHENYAKIN, M.M.

Structure of sporidesmolide; part 2. Izv. AN SSSR. Otd. khim. nauk no.4:
770 Ap '63. (MIRA 104)

1. Institut khimii prirodnykh soedineniy AN SSSR.
(Sporidesmin)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Synthesis of enniatin A. Izv. AN SSSR. Otd.khim.nauk no.6:1148
Je '63. (MIRA 16:7)

1. Institut khimii prirodnykh soedineniy AN SSSR.
(Peptides)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.;
SHEMYAKIN, M.M., akademik

Doubling mechanism in the cyclization of depsipeptides and
peptides. Dokl. AN SSSR 153 no.1:122-125 N '63.

(MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; SHEMYAKIN, M.M.,
akademik

Conformation factors in the cyclization of depsipeptides.
Dokl. AN SSSR 153 no.6:1342-1345 D '63. (MIRA 17:1)

1. Institut khimii prirodnykh sovedineniy AN SSSR.

RYABOVA, I. D.; PAVLENKO, I. A.; VINOGRADOVA, Ye. I.; OVCHINNIKOV, Yu. A.; ALDANOVA,
N. A.; KIRYUSHKIN, A. A.; IVANOV, V. T.; PEYGINA, M. Yu.

"Antimicrobial activity of depsipeptides."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst for Chemistry of Natural Compounds, AS USSR, Moscow.

SHEMYAKIN, M. M.; OVCHINNIKOV, Yu. A.; IVANOV, V. T.; KIRYUSHKIN, A. A.

"Studies in the conformation of cyclodepsipeptides."

report submitted for the 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; ANTONOV, V.K.; KIRYUSHKIN, A.A.;
IVANOV, V.T.; SHCHELOKOV, V.I.; SHKROB, A.M.

Synthesis of O,O'-diacetylserratamolide. Izv. AN SSSR.
Ser. khim. no.12:2233 D '63. (MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

IVANOV, V.T., kand. khim.nauk

Chemistry of peptides; symposium held at Athens. Vest. AN SSSR
34 no. 1:63-65 Ja '64. (MIRA 17:5)

SHEMYAKIN, M.M., akademik; IVANOV, V.T.

Sixth European Symposium on the Chemistry of Peptides. Zhur.
VKHO 9 no. 3:332-334 '64. (MIRA 17:9)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; MIKHALEVA, I.I.; SHEMYAKIN, M.M.

Synthesis of enniatin C. Izv. AN SSSR. Ser. khim. no. 10:1912
0 '64. (MIRA 17:12)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

BOCHKAREV, V.N.; FUCHKOV, V.A.; VUL'FSON, N.S.; SREMYAKIN, M.N.; OUCHENNIKOV,
Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.; VINOGRADOVA, Ye.T.; ALDANOVA, N.A.

Depolpeptides. Part 51: Mass spectrometric study of cyclotetradepsipep-
tides of regular structure. Khim.prirod.soed. 1:52-58 '65.

(MIRA 18:6)

1. Institut khimii prirodnnykh soedineniy AN SSSR.

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Chemistry of depsipeptides. Report 25: Structure and complete synthesis of enniatins A and B. Izv. AN SSSR. Ser. khim. no.9: 1623-1630 '65. (MIRA 18:9)

1. Institut khimii prirodnikh soedineniy AN SSSR.

TROFIMOV, A.N.; IVANOV, V.G.

Calculation of the current distribution is made by the method of straight lines. *Elektronika i svyaz* 1965, No. 10, p. 165. (MIRA 1846)

1. Bashkirskiy gosudarstvennyy universitet, Inst. Radiofiziki i Elektroniki, Ufa.

SHENYANIN, K.M.; OVCHINNIKOV, M.A.; IVANOV, V.G.; KRYZHEVSKAYA, A.A.;
KRAVCHENKO, K.F.

Depolypeptides. Part 42: Structure and complete synthesis of
sporidesmolides I and II. Zhur. ob. khim. 35 no.8:1399-1412
Ag '65. (MIRA 18:8)

IVANOV, V.V.; VIDIN, Yu.V.

Temperature field in a parallelepiped heated by a radiant
flow. Izv. vys. ucheb. zav.; chern. met. 8 no.5:180--182
'65. (MIRA 18:5)

1. Krasnoyarskiy politekhnicheskiy institut.

IVANOV, V. V.

Leningradskomu zavodu "Pnevmatika" 50 let. (Vestn. Mash., 1950, no. 3, p. 61-64)

The Leningrad "Pnevmatika" plant is 50 years old.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

AUTHOR: Ivanov, V.V.

SOV/63-3-6-12/43

TITLE: Modern Designs of Chemical Pumps (Sovremennyye konstruktsii khimicheskikh nasosov)

PERIODICAL: Khimicheskaya nauka i promyshlennost', 1958, Vol III, Nr 6, pp 782-789 (USSR)

ABSTRACT: In the chemical industry mostly centrifugal pumps are used with a pressure of no more than 60 m and an output of 300 m³/h or less. Many pumps operate on the principle of self-suction. A Soviet pump of this type has been developed by the All-Union Scientific Research Institute of Hydraulic Machine Building (Figure 2). The packing of the pumps shaft may be carried out in several ways: 1) with a neutral liquid in the bushing of the stuffing box which stops the loss of the pumped substances to the outside; 2) by using an impeller, i.e. a second wheel behind the operating wheel with radial vanes which reduces the pressure in front of the stuffing box; 3) by a more equal distribution of the stresses on the rings of the stuffing box lining; 4) by the use of special materials in the stuffing box linings. If the pump is vertical and reaches below the free level of the liquid, there is no stuffing box needed. The weight and the size of the axle are 2 - 3 times that of ordinary pumps. Such a pump

Car: 1/2

Modern Designs of Chemical Pumps

SOV/63-3-6-12/43

without stuffing box is the type 6VKhS-7 shown in Figure 4. It has an output of 150 m³/h, 1,470 rpm, a pressure of 40 m, an efficiency factor of 0.9. Hydraulic locks in pumps stop the loss of liquid during operation. At stand-still a special packing must be used which is removed again as soon as the pump starts working in order to prevent wear. Such a pump of the type 3KKh-9K is shown in Figure 5. If the pumps must operate under high pressure or if expensive or poisonous substances are pumped, hermetic types must be used. The Soviet industry has developed a hermetic acid pump (Figure 11) with an output of 24 m³/h. It is made of steel 1Kh18N9T. Recently plastics, which are reinforced by glass fibers, are used in the manufacture of chemical pumps as well as fluorine polymers. There are 11 diagrams and 10 references, 5 of which are Soviet and 5 English.

Card 2/2

IVANOV, V.V., kand.tekhn.nauk, dotsent

Using dimension diagram calculations for reducing the labor
consumption and operation cycle in assembling turbine gland systems.
Energomashinostroenie 7 no.10:30-32 0 '61. (MIRA 14:10)
(Turbines--Design and construction)

IVANOV, V.V., inzh.

Geometry of a giant jet. Sbor. trud. Inst. gor. dela AN URSR
no.12:185-190 '61. (MIRA 15:11)

1. Institut gornogo dela AN UkrSSR.
(Hydraulic mining)

GRAFOV, L.Ye., gornyy inzh.; CORBUSHIN, V.I., V.I.; ZARANKIN, N.Ye.;
DUDNIK, G.N.; BARONSKIY, I.V.; KOSTYUKOVSKIY, V.Ya. [deceased];
LINDENAU, N.I.; BIRYUKOV, R.A.; LISKOVETS, A.R.; MURAV'YEV,
V.P.; FESUN, V.A.; BERDYUGIN, V.A.; BEREZNYAK, M.M.; VASIL'YEV,
Ye.I.; KOLLODIY, K.K.; IL'CHENKO, D.F.; YALEVSKIY, D.B.;
GERASIMOV, V.P.; IVANOV, V.V.; GAVRILOV, G.V.; SUROVA, V.A., red.
izd-va; OSVAL'D, E.Ya., red. izd-va; PROZOROVSKAYA, V.L., tekhn.
red.

[Development and improvement in the technology of coal production]
Razvitie i sovershenstvovanie tekhniki dobychi uglia. Moskva, Gos-
gortekhnizdat, 1962. 359 p. (MIRA 16:2)
(Kuznets Basin--Coal mines and mining)

IVANOV, V. V., inzh.

Automation of the washing of goldbearing sands and the introduction of high-frequency communication at goldfields. Bezop.truda v prom. 5 no.11:24-26 N '61. (MIRA 14:11)

1. Nachal'nik laboratorii gornoy radioelektrotehniki Magadanskogo sovnarkhoza.

(Gold mines and mining)
(Automation)

S/194/62/000/006/017/232
D413/D308

AUTHORS: Zedginidze, G.P., Ivanov, V.V., and Levitskiy, M.P.

TITLE: Some problems in the design of computers for the automatic control of the blast-furnace process

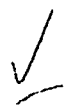
PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-1-124 ya (V sb. Primeneniye vychisl. tekhn. dlya avtomatiz. proiz-va, M., Mashgiz, 1961, 183-191)

TEXT: It is observed that no complete mathematical description exists for the blast-furnace process, and therefore ЦНИИЧМ (TsNIICHM) and ТНМЦА (TNIISA) are developing zonal computers: for the high-temperature zone of direct reduction of iron (by coke, at the bottom of the furnace) for the medium-temperature zone in the charge where indirect reduction of iron (by gases) occurs; and for the throat zone near the mouth of the furnace. It is expected that these zonal installations will later be combined into a complex whose operation will be coordinated by a universal computer. Brief descriptions, circuit diagrams of the zonal computers and Card 1/2 ✓

Some problems in the design of ...

S/194/62/000/006/017/232
D413/D308

formulas simulated by them are given. 9 figures, 10 references.
[Abstracter's note: Complete translation.]



Card 2/2

BUGAY, N.V.; IVANOV, V.V.

Development of defects in the metal of thermal power equipment
during its operation. Energ. i elektrotekh. prom. no.1:48-
50 Ja-Mr'64. (MIRA 17:5)

IVANOV, V.V.

Programming of the selection of populated points on topographic maps. Geod. i kart., no.2:52-63 F '64. (MIFA 17:3)

KHUK, V.T., kand. tekhn. nauk; IVANOV, V.V.

Problems in the application of algorithms and the use of
computing equipment for the control of production processes.
Vest. mashinost. 44 no.5:80-81 My '64. (MKR' 17:6)

1. KOKORIN, P. I.; IVANOV, V. V.
2. USSR (600)
4. Mine Haulage
7. Mechanized transportation of preliminary products. Mekh. trud. rab. 6 no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

IVANOV, V. V.

137-1958-1-110

Translations from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 1, p 17 (USSR)

AUTHOR: Ivanov, V. V.

TITLE: Experience in the Organization of Sand Washing and Schlich Concentration (Iz opyta organizatsii promyeki peskov i shlikhoobogashcheniya)

PERIODICAL: Kolyma, 1957, Nr 3, pp 15-18

ABSTRACT: Problems of the removal of slimes, refining of metal and the mechanization of tailing sampling at the Frunze placer of the Western Mining Administration are discussed.

1. Ores--Processing--Equipment 2. Mines--Equipment 3. Mining engineering A. Sh.

Card 1/1

Ivanov, V.V.
IVANOV, V.V.

Angren gasification station "Podzemgaz." Podzem.gaz.ugl. no.3:13-15
'57. (MIRA 10:11)

1. Direktor Angrenskoy stantsii "Podzemgaz"
(Angrem--Coal gasification, Underground)

OSIPOV, L.L.; IVANOV, V.V., redaktor; SHENFEL'D, S.D., redaktor; KRASNAYA,
A.K., tekhnicheskii redaktor

[Operation of gas-generator power installations] Eksploiatatsia
silovykh gazogeneratornykh ustanovok. Moskva, Izd-vo Ministerstva
rechnogo flota SSSR, 1953. 154 p. [Microfilm] (MLRA 7:10)
(Gas generators)

IVANOV, V. V.,

Agriculture & Plant & Animal Industry.

Maksim Gorkii Collective Farm. Saratovskoe obl. gos. izd-vo, 1949

9. Monthly List of Russian Accessions, Library of Congress, _____ April _____ 195², Uncl.

SHAKHIL'DYAN, Arkadiy Stopanovich; IVANOV, V.V., red.; SYRTSOVA, S.G.,
red.; MARKOVICH, G.L., tekhn. red.

[Production ties among collective forms in the Moldavian S.S.R.]
Mezhkolkhoznye proizvodstvennyye svyazi v Moldavskoi SSR. Kishinev,
Izd-vo "Shtiintsa," 1961. 132 p. (MIRA 15:7)
(Moldavia--Collective farms--Interfarm cooperation)

IVANOV, V.V., kand.tekhn.nauk

For collective farms being under the patronage of the plant.
Mashinostroi~~teI~~' no.10:16-17 0 '61. (MIRA 14:9)
(Kharkov--Tractor industry)

IVANOV, V. V.

COLON (ANATOMY) - SURGERY

Modified Medelung's operation. Khirurgia No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 195², Uncl.

Ivanov, V.V.

IVANOV, V.V. (Cheboksary, ul. Gertsena 1-ya, d.60)

Tamponade method using the omentum in perforated gastric and duodenal ulcer. Vest.khir. 79 no.7:121-122 J1 '57. (MIRA 10:10)

1. Iz sanaviastantsii Chuvashskoy ASSR (gl.vrach - V.V.Bedrintseva)
(PEPTIC ULCER, perforation,
tamponade with omentum (Rus))
(OMENTUM, surgery,
tamponade of per. peptic ulcer (Rus))

IVANOV, V.V.

Function tests for the recognition of insufficiency of the deep
veins of the lower extremity. Khirurgia 39 no.7:132-133 J1'63
(MIRA 16:12)

1. Iz Chuvashskoy respublikanskoy bol'nitsy (glavnyy vrach
I.F.Lun'kov), Cheboksary.

IVANOV, Viktor Vasil'yevich; BELOSTOTSKIY, Ye.M., red.; ZUYEVA,
N.K., tekhn.red.

[Eye diseases in the elderly] O zabolevaniakh glaz v pozhilom
vozraste. Moskva, Gos.izd-vo med.lit-ry, 1959. 32 p.

(MIRA 12:7)

(EYE--DISEASES AND DEFECTS)

IVANOV, V.V. (Krapivna Tul'skoy oblasti)

Eye burns with bile. Vest.oft. 70 no.3:25-26 My-Je '57. (MLRA 10:8)

(EYE, wds. and inj.
caused by bile in indust.)

(BILE, inj. eff.
eye burns in indust.)

IVANOV, V.V., inzh.

Universal stud driver. Mashinostroitel' no.12:22 D '59.
(MIRA 13:3)

(Screwdrivers)

VAYL', Yu.S.; IVANOV, V.V. (Leningrad)

Influence of unipolar and bipolar ionized air on healthy persons.
Vop. kur. fizioter. i lech. fiz. kul't. 25 no. 3:230-235 My-Je
'50. (MIRA 14:4)

(AIR, IONIZED)

IL'ICHEVA, Ye.M., nauchn. sotr.; SHVAREVA, Yu.N., nauchn. sotr.;
KURASHOV, S.V., red.; GOL'DFAYL', L.G., red.; POSPELOVA,
G.N., red.; Primali uchastiye: BAKHMU, V.I., kand. khim.
nauk, red.; IVANOV, V.V., kand. med. nauk, red.; KANAYEV,
R.G., kand. med. nauk, red.; LARICHEV, L.S., red.; NEVKAYEV,
G.A., red.; OPPENGEYM, D.G., kand. med. nauk, red.;
POLTORANOV, V.V., red.; CHUBUKOV, L.A., doktor geogr. nauk,
red.; VUL'FSON, I.Z., red.; KUZ'MINA, N.S., tekhn. red.

[Health resorts of the U.S.S.R.] Kurorty SSSR. Moskva, Medgiz,
1962. 797 p. (MIRA 15:11)
(HEALTH RESORTS, WATERING PLACES, ETC.)

IVANOV, V.V., otv. red.; VALEDINSKIY, V.I., red.; OVCHINNIKOV,
A.M., red.; GROSSMAN, I.L., tekhn. red.

[Problems of the formation and distribution of mineral waters in the U.S.S.R.; transactions of the Conference of the Health Resort Institutes on the Hydrology of Mineral Waters] Voprosy formirovaniia i rasprostraneniia mineral'nykh vod SSSR; trudy... Moskva, Tsentral'nyy nauchno-issl. in-t kurortologii i fizioterapii, 1960. 398 p.
(MIRA 17:3)

1. Soveshchaniye kurortnykh institutov po gidrogeologii mineral'nykh vod. Moscow, 1958. 2. Tsentral'nyy nauchno-issledovatel'skiy institut kurortologii i fizioterapii (for Ivanov, Valedinskiy).

IVANOV, V.V., inzh.

Conditions for an effective attachment of shunting engines to
island stations. Trudy MIIT no.115:128-154 '59.

(MIRA 13:1)

(Railroads--Switching)

IVANOV, V.V., inzh.; RYASHENTSEV, N.P., inzh.

New electric hammers. Mekh.stroi. 18 no.7:31-32 JI '61.

(MIRA 14:7)

1. Kemerovskiy sovmarkhoz.

(Hammers)

IVANOV, Valeriy Vasil'yevich; FOSTERNYAK, Ye.F., inzh., red.; SHILLING, V.A., red. izd-va; GVIRTS, V.L., tekhn. red.

[Dynamic balancing of rotors of high-speed machines] Tekhnologiya dinamicheskogo uravnoveshivaniia rotorov bystrokhodnykh mashin. Leningrad, 1961. 21 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaiia obrabotka metallov, no.14)

(MIRA 14:7)

(Balancing of machinery)

IVANOV, V. V. Cand Tech Sci -- (diss) " The technological ^{properties} ~~effectiveness~~ of
-the dimensions of machine parts." Khar'kov, 1957. 15 pp (Min of Higher Education
UkSSR. Khar'kov Polytechnic Inst im V. I. Lenin), 100 copies (EL, 4-58, 83)

SHISHKOV, Boris Ivanovich; IVANOV, V.V., inzh., retsenzent; DUGINA, N.A.,
tekh.red.

[Precision die stamping in instrument manufacture] Tschunia
shtampovka v priborostroenii. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1960. 270 p. (MIRA 14:4)
(Sheet-metal work) (Instrument manufacture)

LYSKOV, Ye.P., inzh.; IVANOV, V.V., inzh.; SHAPOSHNIKOV, A.K.

Sinter production at the Chelyabinsk Metallurgical Plant. Stal' 23 no.4:
291-293 Ap '63.
(MIRA 16:4)

1. Chelyabinskiy metallurgicheskiy zavod.
(Chelyabinsk—Sintering)

BRAYNIN, Teodor L'vovich; inzh.; IVANOV, Viktor Viktorovich, inzh.;
KOVARSKIY, A.I., nauchnyy red.; DEMINA, G.A., red.; RAKOV,
S.I., tekhn.red.

[Installation and assembly of lighting and power networks]
Ustroistvo i montazh osvetitel'nykh i silovykh setei. Moskva.
Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1959. 253 p.
(MIRA 13:3)

(Electric networks)

BRAYNIN, Teodor L'vovich; IVANOV, Viktor Viktorovich; KHRUMCHENKO,
G.Ye., nauchnyy red.; SHUMILOVA, Ye.M., red.; PERSON,
M.N., tekhn. red.

[Construction, installation, and operation of electric
lighting and power distribution networks] Ustroistvo, mon-
tazh i ekspluatatsia osvetitel'nykh i silovykh setei. Izd.2.,
ispr. i dop. Moskva, Proftekhizdat, 1963. 295 p.

(MIRA 16:7)

(Electric networks)
(Electric power distribution)

IVANOV, V. V.

Growth of drops during condensation. Izv. vys. uch. zav.;
fiz. 3:62-64 '62. (MIRA 15:10)

1. Tomskiy politekhnicheskoy institut imeni S. M. Kirova.

(Drops) (Condensation)

BELEN'KIY, A.Ya.; IVANOV, V.V.

Use of borehole charges in working a trench for an underwater crossing of the "Druzhba" Petroleum Pipeline. Stroil. truboprov. 8 no.5:25-27 My '63. (MIRA 16:5)

1. Ekspeditsionnyy otryad No.4 UPTSR, Sybran' (for Belen'kiy).
2. Spetsial'noye upravleniye Gosudarstvennogo soyuznogo tresta po burovym rabotam dlya vodosnabzheniya promyshlennosti Glavtekhmontazha Ministerstva stroitel'stva SSSR (for Ivanov).
(Underwater pipelines) (Blasting)

BUGAY, N.V.; IVANOV, V.V.

Determination of the dependence of shock ductility on the structure of chromium-molybdenum-vanadium steel. Energ. i elektrotekh. prom. no.2:64-66 Ap-Je '63. (MIRA 16:7)

1. Glavnoye upravleniye energeticheskogo khozyaystva
Donetskogo baseyna.

(Steel alloys)

ANDRIYEVSKIY, S.M., kand.tekhn.nauk; ZOL'NIKOV, S.S., kand.tekhn.nauk;
KISELEV, A.I., inzh.; KOROLEV, K.P., doktor tekhn.nauk, prof.;
KRYLOV, V.A., kand.tekhn.nauk; SHESTAKOV, V.N., kand.tekhn.nauk;
VERIGO, M.F., doktor tekhn.nauk; KREPKOGORSKIY, S.S., kand.
tekhn.nauk; IVANOV, V.V., doktor tekhn.nauk, retsenzent;
ORLOVA, I.A., inzh.red.; VOROB'YEVA, L.V., tekhn.red.

[Truck-type locomotive underframes for high-speed traffic]
Telezhechnye ekipazhi lokomotivov dlia povyshennykh skorostei
dvizheniia. Moskva, Vses. izdatel'sko-poligr. ob"edinenie
M-va putei soobshcheniia, 1962. 303 p. (Moscow. Vsesoluznyi
nauchno-issledovatel'skii institut zheleznodorozhnogo
transporta. Trudy, no.248). (MIRA 16:2)
(Locomotives--Design and construction)
(Railroad engineering)

IVANOV, Valeriy Vasil'yevich; PAVLOV, B.V., inzh., red.; FREGER, D.P.,
red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Selection of balancing equipment] Vybór oborudovaniia dlia
balansirovki; obzor. Pod red. B.V.Pavlova. Leningrad,
Leningradskii dom nauchno-tekhn. propagandy, 1963. 62 p.
(MIRA 16:6)
(Balancing of machinery--Equipment and supplies)

IVANOV, V.V.

Boundary between the steppes and deserts in the southeast of the
European part of the U.S.S.R. Trudy Inst. biol. UF AN SSSR no.27:
105-110 '61. (MIRA 17:2)

IVANOV, V.V.

Testing the stability of closed circular cylindrical shells made
from glass reinforced plastics. Plast.massy no.4:61-66 '64.
(MIRA 17:4)

IVANOV, V.V.; ENTELIS, S.G.

Nuclear magnetic resonance study of association in the systems
ethyl alcohol - water and isopropyl alcohol - water. Izv. AN SSSR
Otd.khim.nauk no.1:178-180 Ja '62. (MIRA 15:1)

1. Institut khimicheskoy fiziki AN SSSR.
(Alcohols) (Systems (Chemistry)--Spectra)

12 4500

S/159/62/000/006/026/032
E073/E435AUTHORS: Boykov, G.P., Ivanov, V.V.

TITLE: On the rate of growth of a crystal

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Fizika,
no.6, 1962, 167-168

TEXT: Mathematically, the heat conductivity during the growth of a crystal can be described by a system of differential equations given by E. Billig (Brit. J. Appl. Phys., 7, 1956, 375). If the top of a growing crystal is intensively cooled, the temperature field in the crystal can be expressed by

$$T(r, z) = T_f + (T_0 - T_f) \sum_{n=1}^{\infty} A_n I_0\left(\mu_n \frac{r}{R}\right) \times \exp\left(-\mu_n \frac{z}{R}\right) \frac{1 - \exp\left(-2\mu_n \frac{l-z}{R}\right)}{1 - \exp\left(-2\mu_n \frac{l}{R}\right)}; \quad (1)$$

where μ_n are the roots of the equation

$$\mu \frac{I_1(\mu)}{I_0(\mu)} = Bi$$

and the values A_n can be taken from work published by A.V. Lykov.
Card 1/3

S/139/62/000/006/026/032

E073/E435

On the rate of growth of a crystal

According to S.S.Kutateladze, the relation between the temperature gradient at the phase division boundary and the rate of growth of a crystal can be expressed by

$$L\gamma W = -\lambda(\text{grad } T)_{\Gamma p} \quad (2)$$

where L - phase transformation heat, γ - specific gravity of the substance, $W = d\ell/d\tau$ - rate of growth of the crystal, λ - heat conductivity coefficient. The quality of the grown crystal depends to a large extent on adhering to Eq.(2). Consequently, when drawing crystals from melts it is necessary to select correctly the speed of growth. $(\text{grad } T)_{\Gamma p}$ at the base of the crystal as a function of r is calculated by means of Eq.(1)

$$(\text{grad } T)_{\Gamma p} = (\partial T / \partial z)_{z=0}$$

The average value of the gradient at the base of the crystal will be

$$(\text{grad } T)_{cp} = \frac{1}{\pi R^2} \int_F (\text{grad } T)_{\Gamma p} dF = -(T_0 - T_f) \frac{1}{\pi R^2} \sum_{n=1}^{\infty} A_n \frac{b_n}{R} \times \left[1 + \frac{2}{\exp\left(2\mu_n \frac{l}{R}\right) - 1} \right] \times \int_0^{2\pi} d\theta \int_0^R J_0\left(\mu_n \frac{r}{R}\right) r dr =$$

Card 2/3

On the rate of growth of a crystal

S/139/62/000/006/026/032
E073/E535

$$= -2(T_0 - T_f) \frac{1}{R} \sum_{n=1}^{\infty} A_n I_n(\nu_n) \times$$

$$\times \left[1 + \frac{2}{\exp\left(2\nu_n \frac{l}{R}\right) - 1} \right].$$

Then, according to Eq.(2), we obtain the following equation, which in the first approximation can be used for estimating the speed of growth of the crystals. ve

$$\frac{dl}{dt} = \frac{2\lambda(T_0 - T_f)}{L_1 R} \cdot \sum_{n=1}^{\infty} A_n I_n(\nu_n) \times$$

$$\times \left[1 + \frac{2}{\exp\left(2\nu_n \frac{l}{R}\right) - 1} \right]. \quad (3)$$

ASSOCIATION: Tomskiy politekhnicheskii institut imeni S.M.Kirova
(Tomsk Polytechnical Institute imeni S.M.Kirov)

SUBMITTED: December 22, 1961

Card 3/3

IVANOV, V.V.

CA

9

The influence of structure free cementite on the mechanical properties of the iron in steam boilers. V. V. Ivanov. *Vestnik Metalloproiz.* 18, No. 4, 50-51 (1938); *Chem. Zentr.* 1938, II, 3977-8.—Metallurgical tests were made on samples of sheet iron taken from the same sheet but from different points of that sheet, some of which had been subjected to heating and to the influence of flame gases. The results were the same for all samples as regards the presence of free cementite, in spite of the widespread view that free cementite is formed as the result of long-continued heating during operation. The long-continued heating does cause recrystn. and aging of sheet iron which has been subjected to deformation. Only on the surface was an insignificant difference in the pearlitic structure observed.

M. G. Moore

AS A 31 A METALLURGICAL LITERATURE CLASSIFICATION

The causes of damages in steam boilers
Moskva, Pishchepromizdat, 1944. (Mic 57-172)

Collation of the original: 82 p.

Microfilm T-6

IVANOV, Vasilii Vasil'evich

A manual on the mechanics of diesel motor-driven ships
Moskva, 1949. 345 p. (50-29922)

VM770.493 1949

IVANOV, V.V., kandidat tekhnicheskikh nauk.

Increasing the strength of crank pins and axle hub parts for locomotive roller bearings and sliding friction bearings.

Sbor.trud.Akad.zhel.transp. no.2:95-110 '53. (MLRA 8:9)
(Locomotives) (Axles) (Bearings (Machinery))

IVANOV, V.V., kandidat tekhnicheskikh nauk.

New Soviet locomotives. Sbot.trud.Akad.zhel.transp. no.3:86-104
'54. (MLRA 9:8)

(Locomotives)