AUTHORS: Zemskov, G. V.; Shestakov, A. I.

41
13

ORG: none

TITLE: A method for thermodiffusional surface saturation of metals and alloys. Class 48, No. 176475

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 79

TOPIC TAGS: metallurgy, metal powder, halogen, iodine compound, metal diffusion, alloy

ABSTRACT: This Author Certificate presents a thermodiffusional method for surface saturating of powdered metals and alloys in the atmosphere of halides. To eliminate the harmful effect of nitrogen absorption resulting from the use of ammonium chloride, solid halogen compounds of ICl or IBr are used as sources of halogens.

SUB CODE: 13, 11/ SUBM DATE: 04May64

Card 1/1 HW UDC: 621.793.6

SHAPOVALOV, L.T., kand.tekhn.nauk; ZEMSKOV, I.I., tekhnik; SINCHUK, B.M., tekhnik

The BP2 pneumatic waste-rock breaker. Gor.zhur. no.1:60-62 Ja '65. (MIRA 18:3)

1. Gosudarstvennyy institut po proyektirovaniyu oborudovaniya po dobyche i obogashcheniyu rud, Krivoy Rog.

ZEMSKOV, G.V.; KAYDASH, N.G.

Boron-silicon coating of iron and steel. Metalloved. i term. obr. met. no.3:57-60 Mr '64. (MIRA 17:4)

1. Odesskiy politekhnicheskiy institut.

ZEMSKOV, G.V.; KAYDASH, N.G.; PRAVEN'KAYA, L.L.

Boron coating of iron and steel in vacuum. Metalloved. i term. obr. met. no.3:61-63 Mr '64. (MIRA 17:4)

1. Odesskiy politekhnicheskiy institut.

ZEMSKOV, G.V.; DOMBROVSKAYA, Ye.V.; YARKINA, V.T.; GUSHCHIN, L.K.; PARFENOV, A.K.

Intensified nitriding by ultrasonic waves. Metalloved. i term. obr. met. no.1:52-55 Ja '64. (MIRA 17:3)

1. Odesskiy politekhnicheskiy institut.

AUTHORS: Zemskov, G. V., Gushchin, L. K., Dombrovskaya, Ye. V., Parfenov, A. K., Yarkina, V. T.

TITLE: The nitriding of steel under ultrasonic action,

SOURCE: Metallovedeniye i termicheskaya obrabotka; materialy konferentsii po metallovedeniyu i termicheskoy obrabotke, sost. v g. Odesse v 1960 g. Moscow, Metallurgizdat, 1962, 211-214.

TEXT: The paper reports the results of an experimental investigation intended to clarify the generally contradictory statements of various antecedent authors, [illegible] on the existence of presumably accelerating effect of [illegible] and nitriding. Speci- [illegible] of steel 38KhMYuA (38KhMYuA), [illegible] at the end for at- [illegible] to the test equipment. The [illegible] previously refined, and a soft- [illegible] with Rc 25-30 had been obtained. Ammonia (AM) was fed into the furnace, beginning at 200°. At nitriding temperature [illegible] the AM was about 40% dissociated, at a pressure of 60 mm oil column. After holding, the specimen was cooled to 200° in the furnace in an AM medium. Nitriding T was 500 and 550°, holding time 2, 4, 6, 8, 10, and 15 hrs with and without US exposure. Liquid

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The nitriding of steel under ultrasonic action. S/810/62/000/000/006/013

nitriding was done in a bath containing 31% $BaCl_2$, 48% $CaCl_2$, and 21% NaCl, through which AM was passed and into which US vibrations were entered by means of a concentrator. Liquid-nitriding T was 550-560°, holding time 9 hrs at an ammonia pressure of 350-360 mm oil column. Intensive "boiling" of the bath was observed. An electron-tube generator with an output power of 2.5 kw and a frequency range from 18-35 kcps was employed as a source of US V. Graphed microhardness cross-sections across the layer affected show the favorable effect of US V in increasing hardness, increasing the depth of the penetration of N, and also in the attainment of a more uniform microhardness throughout the nitrided layer, especially for holding times in excess of 9 hrs. Application of US V permits a 40% reduction in process duration. The favorable effect of US V is attributed to the periodic change of the lattice parameters and the increase in the mean-square amplitude in the thermal oscillations of the ions in the lattice points of the crystalline lattice as a result of the local increase in the pressure. In interstitial solid

The nitriding of steel under ultrasonic action. S/810/62/000/000/006/013

microscopic pores in the metal also facilitates the adsorption accompanying the diffusion of surface-active elements. There are 4 figures and 7 references (1 Russian-language Soviet, 3 French, 2 German, and 1 English-language: Heedeman, E., J. Acoust. Soc. Am., v.26, no.5, 1954, 831-842).

ASSOCIATION: Odesskiy politekhnicheskiy institut (Odessa Polytechnical Institute).

S/123/62/000/019/002/010
A006/A101

AUTHORS: Gushchin L. K., Dombrovskaya, Ye. V., Zemskov, G. V., Parfenov, A. K., Yarkina, V. T.

TITLE: Gas nitriding with ultrasonic effect

PERIODICAL: Referativnyy zhurnal, Mashinostroyenie, no. 19, 1962, 25, abstract 19B134 ("Nauchn. zap. Odessk. politekhn. in-t", 1961, 35, 25 - 31)

TEXT: The authors studied the effect of ultrasonic waves upon the depth of the layer, structure, hardness on the surface, and distribution of hardness across the layer in gas nitriding at 500 and 550°C, 60 mm water col. gas pressure at a 40% degree of gas dissociation, and holding for 2, 4, 6, 8, 10 and 15 hours. The investigations were made with improved 35 XIOA (35KhYuA) steel specimens with HCR=28 - 30. For comparison the process was conducted in two ways: with ultrasonic oscillations of 18 - 20 kilocycle frequency and without them. An analysis of experimental results, obtained by investigating the structure, layer depth, determination of hardness according to Vikkers, and microhardness on the surface and across the layer, has shown that ultrasonic waves

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S/123/62/000/019/002/010
A006/A101

Gas nitriding with ultrasonic effect

increase the hardness across the layer, penetration depth of nitrogen, and microhardness of the base zone of the nitrided layer. The time of nitriding process with ultrasound is reduced 1.5 times as compared with nitriding without ultrasonic effect. There are 5 figures.

T. Kislyakova

[Abstracter's note: Complete translation]

Card 2/2

S/123/62/000/018/009/012
A006/A101

AUTHORS: Zemskov, G. V., Dombrovskaya, Ye. V., Yarkina, V. T., Gushchin, L. K., Parfenov, A. K.

TITLE: The effect of ultrasonic waves upon the nitriding process

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 18, 1962, 17, abstract 18B107 ("Nauchn. zap. Odessk. politekhn. in-t", 1961, 35, 90 - 96)

TEXT: Investigations were made in liquid and gas medium. The nitriding bath was melted in a X18H9 (Kh18N9) steel crucible and was composed of 31% barium chloride, 48% calcium chloride and 21% sodium chloride. Ammonia was passed through the liquid bath to which ultrasonic oscillations were applied. Microhardness was measured over the section of a layer obtained in liquid nitriding with and without ultrasonic oscillations. Gas nitriding was performed in a special-designed electric furnace (its schematic diagram is presented) under the following conditions: temperature - 540 - 560°C; holding time - 10 hours; gas pressure in the furnace 45 - 55 mm oil column. After completed holding the

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ultrasonic oscillator was switched off. Cooling down to 400°C was performed during ammonia supply; and down to room temperature - together with the furnace. The schematic diagram of the furnace and curves of microhardness distribution over the cross section of the specimen after nitriding, are given. The results of gas and liquid nitriding were compared and showed the advantage of gas nitriding, yielding higher hardness and deeper penetration. The depth of the nitrided layer and hardness increase under the ultrasonic effect both for liquid and gaseous media.

T. Kislyakova

[Abstracter's note: Complete translation]

ZEMSKOV, G.V.; DOMBROVSKAYA, Ye.V.; GRISHINA, N.V.

High-temperature cyaniding in solid mixtures. Nauch.zap.Od. politekh.inst. 26:31-37 '60. (MIRA 15:5)
(Cementation (Metallurgy))

ZEMSKOV, G.V.; KOGAN, R.L.

Isothermal hardening of gray cast iron. Nauch.zap.Od.politekh.inst. 26:38-43 '60. (MIRA 15:5)
(Cast iron—Hardening)

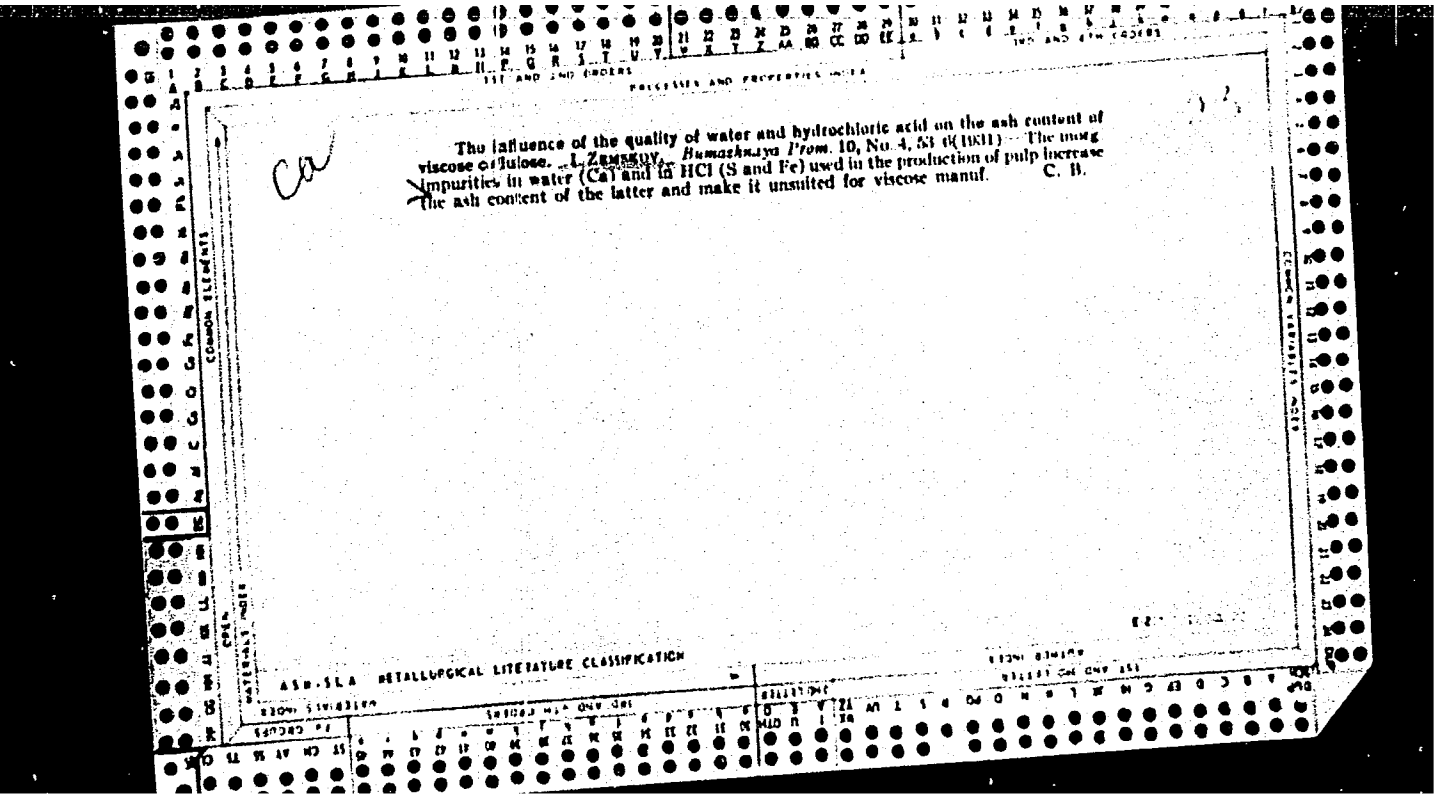
ZEMSKOV, G.V.; PERFENOV, A.K.

Treatment of high-speed steel cutters in a medium of overheated steam. Nauch.zap.Od.politekh.inst. 26:44-47 '60. (MIRA 15:5)
(Steel--Heat treatment)

ZEMSKOV, G.V.; GUSHCHIN, L.K.; DOMBROVSKAYA, Ye. V.; PARFENOV, A.K.; YARKINA, V.T.

Ultrasonic nitriding of steel. Metalloved. i term. obr. met. no.3:40-42 Mr '61. (MIRA 14:6)

1. Odesskiy politekhnicheskiy institut.
(Cementation (Metallurgy))
(Ultrasonic waves--Industrial applications)

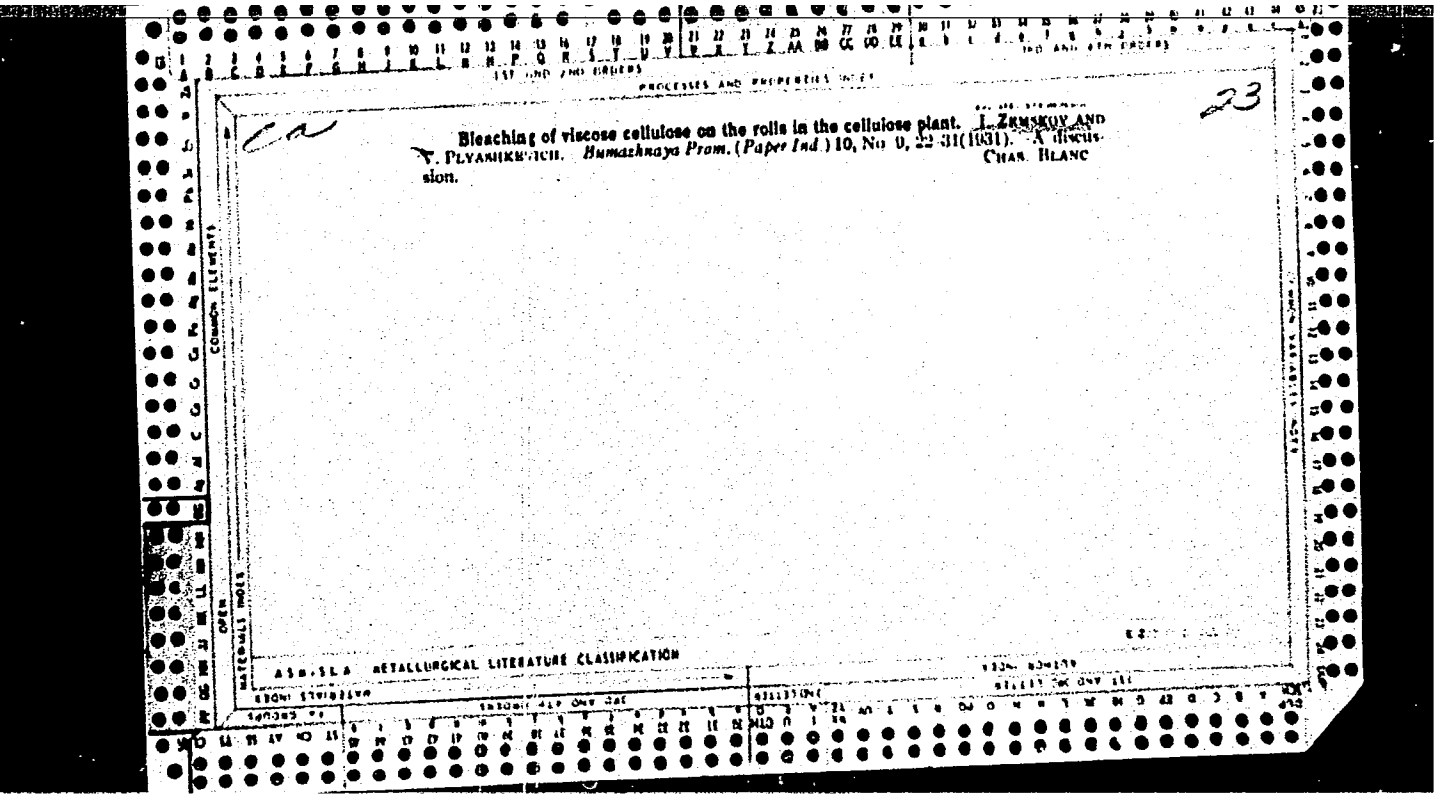


The influence of the quality of water and hydrochloric acid on the ash content of viscose cellulose. L. Zemskov. *Bumazhnaya Prom.* 10, No. 4, 53 (1931).—The impurities in water (Ca) and in HCl (S and Fe) used in the production of pulp increase the ash content of the latter and make it unsuited for viscose manuf. C. B.

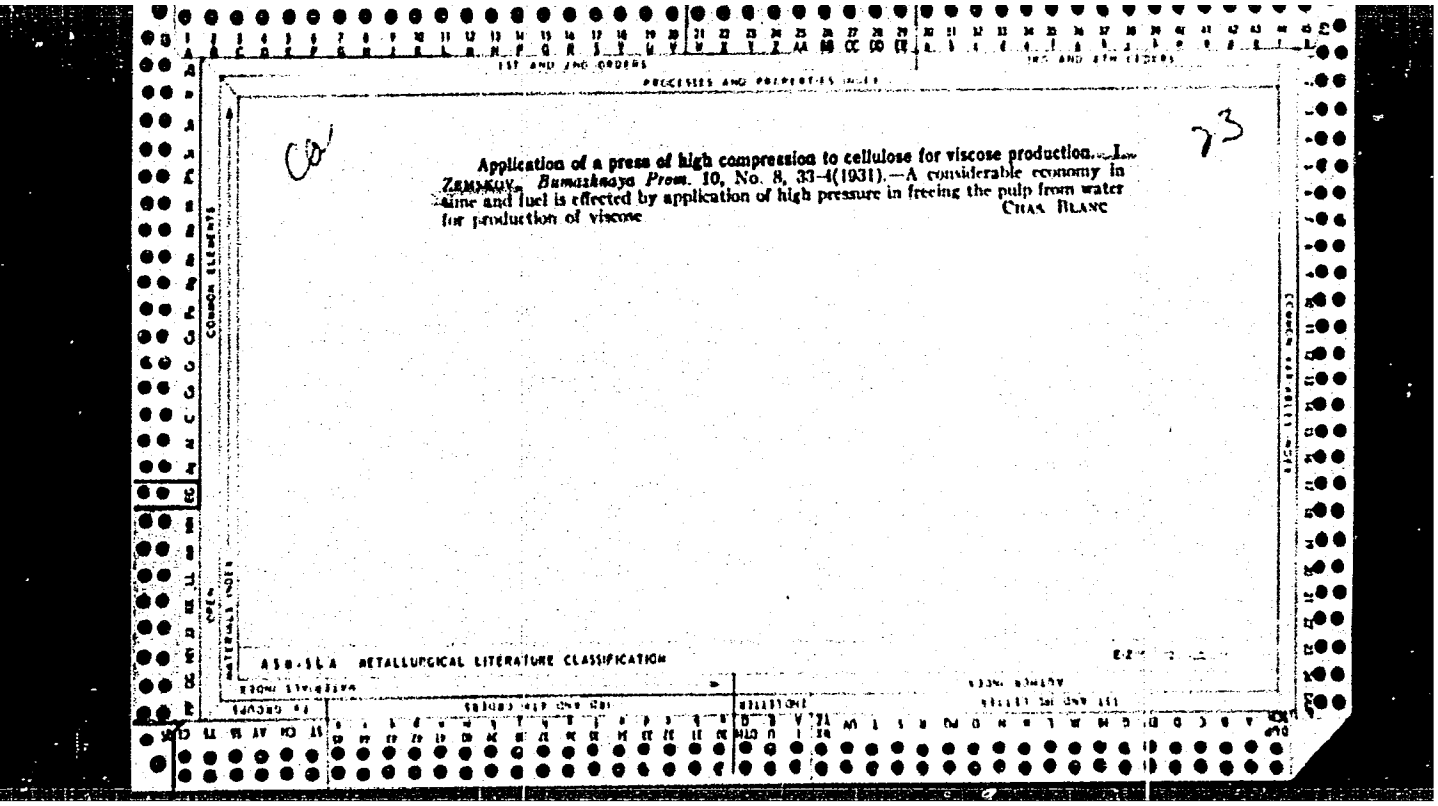
ZEMSKOV, I.; KHAKHALEV, S., inzh.

United efforts. Pozh.delo 6 no.2:11 F '60. (MIRA 13:5)

1. Nachal'nik pozharno-vakterskoy okhrany, Borovichi, Novgorodskaya oblast' (for Zemskov). 2. Nachal'nik Dobrovol'noy pozharnoy druzhiny Borovichi, Novgorodskaya oblast' (for Khakhalev).
(Novgorod Province--Factories--Fires and fire prevention)



Bleaching of viscose cellulose on the rolls in the cellulose plant. I. ZEMSKOV AND V. PLYASHKEVICH. *Bumazhnaya Prom.* (*Paper Ind.*) 10, No. 9, 22-31(1931). A discussion. CHAS. BLANC



Application of a press of high compression to cellulose for viscose production. L. ZEMSKOV. *Bumazhnaya Prom.* 10, No. 8, 33–4(1931).—A considerable economy in lime and fuel is effected by application of high pressure in freeing the pulp from water for production of viscose

CHAS. BLANC

ZEMSKOV, I.F.; KOLESNIKOV, E.I.; NIVIN, P.I.; PANOVA, L.N.

Selecting the activated carbon for the adsorption of carbon disulfide from the air of viscose manufacture under 'fluidized bed" conditions. Khim. volok. no.2:57-62 '64. (MIRA 17:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut po promyshlennoy i sanitarnoy ochistke gazov (for Zemskov, Kolesnikov).

ZEMSKOV, I.F.; STEPANOV, A.S.; MELKIKH, A.V.

Use of foam apparatus for fine sanitary purification and removal of toxic carbon dust from air exiting from the adsorber with "fluidized" beds of sorbents. Zhur.prikl.khim. 35 no.11:2467-2472 N '62. (MIRA 15:12)

1. Dzerzhinskiy filial Gosudarstvennogo nauchno-issledovatel'skogo instituta po promyshlennoy i sanitarnoy ochistke gazov.
(Air--Purification) (Dust collectors)

ZEMSKOV, I.F., kand.tekhn.nauk; KHALYAVIN, M.N.

Removal of lead tetraethyl vapors from air and gas mixtures by means of activated carbon. Khim. prom., no. 2:135-137 F '61. (MIRA 14:4)

(Gases—Purification) (Lead)

ZEMSKOV, I.F., kand.tekn.nauk

Removal of vapors of mercury organic compounds from air. Khim. prom. no.4:290-293 Ap '61. (MIRA 14:4)

(Gases--Purification) (Mercury organic compounds)

ZEMSKOV, I.F., kand.tekhn.nauk; STEPANOV, A.S., inzh.; DENISOV, V.F., inzh.

Uniform distribution of gas flow in a multiplate apparatus with fluidized beds of granular material. Khim.mash. no.6:21-23 N-D '60. (MIRA 13:11)

(Gas flow) (Plate towers)

ZEMSKOV, I.F., STEPANOV, A.S., TEPLYAKOV, N.M.

Regeneration of activated carbon in the process of removal of mercury vapor and mercury organic compounds from waste gases. Zhur.prikl.khim. 33 no.5:1222-1224 My '60. (MIRA 13:7)

1. Dzerzhinskiy filial Gosudarstvennogo nauchno-issledovatel'skogo instituta promyshlennoy i sanitarnoy ochistki gazov.
(Carbon, Activated) (Gas purification)

ZEMSKOV, I.F.; SIDEL'NIKOVA, G.I.

Adsorption of tetraethyllead by activated carbon. Zhur.prikl. khim. 35 no.2:469-472 F '62. (MIRA 15:2)
(Lead) (Carbon, Activated)

ZEMSKOV, I.F.; SIDEL'NIKOVA, G.I.

Adsorption of diethylmercury by activated carbon. Zhur.prikl. khim. 35 no.2:466-468 F '62. (MIRA 15:2)
(Mercury) (Carbon, Activated)

ZEMSKOV, I.F.

Continuous purification of gas mixtures by removing sulfur dioxide in the fluidized bed of a solid granular sorbent. Izv. vys. ucheb. zav.; khim. i khim. tekh. 8 no.1:94-98 '65. (MIRA 18:6)

1. Kalininskiy torfyanoy institut, kafedra "mashiny i apparaty khimicheskoy promyshlennosti."

ZEMSKOV, I.F.

Purification of air from tetraethyllead vapors on a continuous multistage sorption unit in a fluidized bed of activated carbon. Zhur.prikl.khim. 35 no.3:536-541 Mr '62. (MIRA 15:4)
(Air--Purification) (Lead)

ZEMSKOV, I.F.; STEPANOV, A.S.; GNEZDOV, V.I.

Purification of lead chloride-containing water with ion exchange resins. Zhur.prikl.khim. 35 no.3:674-676 Mr '62. (MIRA 15:4)
(Water—Purification) (Ion exchange resins) (Lead chloride)

ZEMSKOV, I.F., kand.tekhn.nauk

Overflow pipes for delivering the sorbent to a continuous multistage apparatus for the sorption of the solid sorbent in a fluidized bed. Khim.mash. no.2:4-7 Mr-Ap '60. (MIRA 13:6)
(Fluidization--Equipment and supplies)

ZEMSKOV, I.F., kand. tekhn. nauk; KHALYAVIN, M.N.

Purification of a gas-air mixture by removal of tetraethyl lead with sulfuric acid. Khim.prom. no.8:500-501 D '58. (MIRA 12:1)

(Gas purification) (Lead)

5(1)
AUTHORS: Zemskov, I. F., Candidate of Technical Sciences, Khalyavin, M. N. SOV/64-58-8-15/19

TITLE: The Purification of a Gas-Air Mixture From Tetraethyl Lead by Means of Sulfuric Acid (Ochistka gazo-vozdushnoy smesi ot tetraetilsvintsa sernoy kislotoy)

PERIODICAL: Khimicheskaya promyshlennost', 1958, Nr 8, pp 500 - 501 (USSR)

ABSTRACT: Some industries produce waste gases with a content of 15 g tetraethyl lead (I) vapors per N cu.m. Since (I) is highly poisonous it has to be removed before the gases are exhausted into the atmosphere. Many of the current purification methods can not be applied in this case. It is known that (I) is destroyed by mineral acids (Refs 3-6), a fact which can be made use of in analytical methods (Ref 7). In the case under consideration this reaction was used for the purification of waste gases. It was found (Table 1) that concentrated sulfuric acid removes the (I)-vapors from the gas. A second test series (Table 2) showed that sulfuric acid used for this purpose must at least have a concentration of 79.6%. Further

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tests (Table 3) proved that a temperature increase to 100° increases the adsorption capacity of H_2SO_4 for (I). 0.31 g of monohydrate are required to destroy 1 g of (I). However, it should be taken into consideration that under industrial conditions the waste gases are humid so that a greater consumption of sulfuric acid is to be reckoned with. There are 3 tables and 8 references, 5 of which are Soviet.

ZEMSKOV, I.

SOROKIN, Ye.A., inzhener; ZEMSKOV, I.I., inzhener.

Over-all mechanization of car exchange in shaft cages. Gor. zhur. no.7:69-73 Jl '57. (MLRA 10:8)

1. Giprorudmash.
(Mine hoisting)

LUNTS, D.R.; ZEMSKOV, L.N.

Some characteristics of forensic-psychiatric expertise on criminal sectarian activity. Prak.sudebnopsikh.ekspert. no.5:3-12 '61. (MIRA 16:4)
(MOSCOW--EVANGELISTIC WORK) (FORENSIC PSYCHIATRY)

ZEMSKOV, L.N.

Difficulty of defining in alcoholics the borderline between superstition and psychoses of alcoholic delirium. Probl.sud. psikh. no.12:116-122 '62. (MIRA 16:4)
(SUPERSTITION) (PSYCHOSES) (ALCOHOLISM)

KOKANBREEVA, R.F.; ZEMSKOV, L.N.

Paranoid form of schizophrenia with a slow course and manifestations of dissimulation developing according to the folie à deux type. Prak. sudebnopsikh.ekspert. no.3:12-22 '61. (MIRA 17:10)

Zemskov, M.D.

SHATROV, S.M.; VIKENT'YEV, I.P.; VAR'YASH, I.G.; ZEMSKOV, M.D.

Efficient solution of a highway and railroad crossing. Avt. dor. 21 no.2:21-22 F '58. (MIRA 11:2)
(Underpasses) (Railroad bridges) (Road construction)

ZEMSKOV, M.

Under the new conditions [with English summary in supplement].
Vnesh. torg. 29 no.3:42-44 '59. (MIRA 12:7)

1.Nachal'nik otdela vneshnikh snosheniy Mosoblsovnarkhoza.
(Moscow Province--Industries)

ZEMSKOV, M.V.

Capacity for sensitization of the parenchymatous organs of kittens and white mice infected with the causative agent of dysentery and with streptococci. Biul. eksp. biol. i med. 50 no.10:92-97 O '60. (MIRA 14:5)

1. Iz kafedry mikrobiologii (zav. - prof. M.V.Zemskov) Voronezhskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.

(IMMUNOLOGY) (DYSENTERY) (STREPTOCOCCUS)

ZEMSKOV, M.V., prof.

"Leptospirosis (annotated index of literature for 1948-1958) by IA.A. Blagodarnyi, S.G.Medvedeva. Reviewed by M.V.Zemskov. Zdrav. Kazakh. 21 no.10:77-78 '61. (MIRA 15:2)
(BIBLIOGRAPHY--LEPTOSPIROSIS) (BLAGODARNYI, IA.A.)
(MEDVEDEVA, S.G.)

ZEMSKOV, M. V.

EXCERPTA MEDICA Sec.4 Vol.11/4 Med.Microb. etc. April58

1021. ALTERATION OF THE ANTIGENIC CONSTITUTION OF CERTAIN PARENCHYMATOUS ORGANS OF WHITE MICE INFECTED WITH DYSENTERY ORGANISMS OR STAPHYLOCOCCI (Russian text) - Zemskov M. V. Med. Inst., Voronezh - BIULL. EKSPER. BIOL. MED. 1957, 2 (66-69) Tables 2 Ref. 3

Heterogenetic antigens were detected by means of the reaction of anaphylaxis and desensitization (L. A. Zilber's method). Experiments showed that in the course of a one-day dysenteric infection (and particularly of a 5-day infection) in white mice, heterogenetic antigens (or antigen) were found in their livers, spleens and kidneys and that simultaneously a certain amount of the antigens present is destroyed in the liver. Similarly, in the course of a 5-day streptococcal infection, heterogenetic antigens are formed in the liver and particularly in the spleen of white mice. The heterogenetic antigens formed in the mouse spleen during dysenteric and streptococcal infections are not specific, since they give the reaction of anaphylaxis with heterologous material (crossed reaction). The author considers that heterogenetic tissue-antigens formed in this way constitute an integral factor in all chronic infections. References 3.

Kaulen - Moscow (S)

ZEMSKOV, M.V.

Change in the antigenic composition of certain parenchymatous organs in white mice infected with Shigella dysenteriae and Streptococcus [with summary in English] Biul. eksp. biol. i med. 43 no.2:66-70 F '57 (MLRA 10:5)

1. Iz Voronezhskogo gosudarstvennogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.
(DYSENTERY, BACILIARY, immunology,
antigenic composition of parenchymatous organs in mice) (Rus)
(STREPTOCOCCAL INFECTIONS, immunology,
same)

ZEMSKOV, M.V. (Voronezh)

Instruction in microbiology and infectious diseases in department of therapeutic and pediatrics. Zhur.mikrobiol.epid. i immun. 27 no.5: 90-92 My '56. (MLRA 9:8)

(MICROBIOLOGY, educ.
in Russia in schools for OP & pediatrics)
(EPIDEMIOLOGY, educ.
same)

KUDLAY, D.G.; BELYAKOV, V.D.; DYGIN, V.P.; SINITSKIY, A.A.;
ZEMSKOV, M.V.; ZOLOTNITSKIY, M.Yu.

Book reviews and bibliography. Zhur. mikrobiol., epid. i immun. 40 no.2:122-133 F '63. (MIRA 17:2)

ZEMSKOV, M. V.

37467. Nekotoryye Elementy Patogeneza Zheltushnogo Lektospiroza Krupnogo Rogatogo Skota. Doklady Vsesoyuz. Akad. S-Kh. Nauk Im. Lenina, 1949, vyp. 11, s. 43-47.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

ZEMSKOV, M.V.; IGNAT'YEVA, S.A.; MOROZOVA, V.P.; STEPANOV, I.I.; ZHURAVLEVA, N.V.

Yeast-induced production of antibodies, resistance and plasmoblastic reaction in animals. Zhur.mikrobiol., epid. i immun. 42 no.3:130-133 Mr '65. (MIRA 18:6)

1. Voronezhskiy meditsinskiy institut.

ZEMSKOV, M. V. and SOKOL'SKAYA, A. S.

"The Possibilities and Conditions of Infection with Leptospirosis From Sick Animals," Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii No 1, 1953.

Voronezh Institute of Epidemiology and Microbiology and Chair of Microbiology of the Voronezh Medical Institute

Abstract W-27098, 25 Jul 53

ZEMSKOV, M. V., SHITOV. K. A.

"Some Data Relating to the Antigenic Structure of Leptospira Obtained from Humans and Animals"
Vrachebnoye Delo, No 6, 1953, pp 521-526

Strains of leptospira from humans with nonicteric leptospirosis and animals with leptospirosis can be agglutinized with antiserums of serum types I and II. Serums of animals from which strains had been obtained also agglutinized standard strains of leptospira types I and II. Storage of leptospira under laboratory conditions led to a decrease in the leptospira group antigens. Specific antigens were retained. The authors see in this a demonstration of the complexity of the antigenic structure of their leptospira strains. They decided that the presence of related (group) antigens of leptospira from humans and animals indicates that specific agents are to be found in the serum type of one of the species. (RZhBiol, No 2, 1954)

SO: Sum. 402, 12 May 55

ZEMSKOV, M.V.; BYALIK, Z.M.

Method of detecting plasmocoagulase and fibrinolysin in Leptospira. Lab. delo 8 no.4:40-42 Ap '62. (MIRA 15:5)

1. Kafedra mikrobiologii (zav. - prof. M.V.Zemskov) Voronezhskogo meditsinskogo instituta.
(LEPTOSPIRA) (FIBRINOLYSINS)
(COAGULASE)

ZKMSKOV, M.V.; ZHURAVLEVA, N.V.

Mechanism of the stimulation of antibody formation, immunogenesis and resistance to infection by means of bloodletting. Zhur. mikrobiol., epid. i immun. 42 no.10:134 O '65.
(MIRA 18:11)

1. Voronezhskiy meditsinskiy institut. Submitted January 5, 1965.

GUREVICH, P.S.; GENKIN, M.L.; ZEMSKOV, N.K.

Eosinophilic granuloma of the stomach. Kaz. med. zhur. no.3: 77-78 My-Je '63. (MIRA 16:9)

1. Ul'yanovskaya oblastnaya bol'nitsa (glavnyy vrach - A.P. Ivanov)

(EOSINOPHILIC GRANULOMA) (STOMACH—TUMORS)

ZEMSKOV, N. N.

Certain stages of nursing care of surgical patients according to the Pavlovian theory. Med. sestra, Moskva no. 12:13-16 Dec. 1951. (CLML 21:3)

1. Assistant at the Hospital Surgical Clinic No. 2 of Kiev Medical Institute imeni Academician A. A. Bogomolets.

ZIMSKOV, N.N.

Application of penicillin in surgical practice. Khirurgiia, Moskva no.3:49-52 Mar 1952. (CIML 22:1)

1. Head Physician of Mimusinsk Surgical Hospital.

ZEMSKOV, N. N.

Discussion on A. A. Rosnovskii's article "Books for surgeons". Khirurgiia, Moskva no.4:92-93 Apr. 1952. (CIML 22:2)

1. Of the Second Surgical Clinic (Director -- Prof. A. A. Fedorovskiy). Kiev Medical Institute.

ZEMSKOV, N.N.

Autotransfusion of the blood from the abdominal cavity following hemorrhage in ectopic pregnancy. Khirurgiia no.3:49-50 Mr '55. (MLRA 8:7)

(BLOOD TRANSFUSION,
autotransfusion of blood in abdom. cavity after hemorrh. in ectopic pregn.)
(PREGNANCY, ECTOPIC, complications,
hemorrh., autotransfusion of blood from abdom. cavity)
(ABDOMEN, hemorrhage,
in ectopic pregn., autotransfusion of blood from abdom. cavity)
(HEMORRHAGE,
abdom., autotransfusion of blood from abdom. cavity in ectopic pregn.)

ZEMSKOV, N.N., kandidat meditsinskikh nauk

Intraperitoneal use of antibiotics in the prevention and treatment of peritonitis; clinical and experimental research. Khirurgiia no.6:47-50 Je '55. (MLRA 8:10)

1. Iz kafedry khirurgii pediatricheskogo fakul'teta (zav.-prof. A.A.Fedorovskiy) Kiyevskogo meditsinskogo instituta.
(PERITONITIS, ther.
antibiotics, intraperitoneal admin.)
(ANTIBIOTICS, ther. use
peritonitis, intraperitoneal admin.)

ZEMSKOV, N.N., dots.; LOBODYUCHENKO, A.F., dots.

Professor A.A. Fedorovskii. Khirurgiia 35 no.1:145 Ja '59. (MIRA 12:2)

(BIOGRAPHIES,
Fedorovskii, Aleksei A (Rus))

ZEMSKOV, N.N., dotsent

"Problems in the pathogenesis of sepsis" by D.K.Grechiskin. Reviewed by N.N. Zemskov. Nov. khir. arkh. no.3:107-108 My-Je '60. (MIRA 15:2)

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(SURGERY, ASEPTIC AND ANTISEPTIC) (GRECHISHKIN, D.K.)

ZEMSKOV, N.N., dotsent (Lugansk, ul. Alekseyeva, d.5, kv.37)

Experimental materials on the revascularization of the myocardium. Vest.khir. 89 no.7:47-53 Jl '62. (MIRA 15:8)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - dotsent N.N. Zemskov) Luganskogo meditsinskogo instituta (dir. - dotsent F.D. Povelitsa).

(HEART--SURGERY)

ZEMSKOV, N.N., dotsent (Lugansk, ul. Alekseyeva, d.5, kv.37)

Removal of a thrombus from the innominate artery. Vest.khir. 89 no.7:108-110 Jl '62. (MIRA 15:8)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - dotsent N.N. Zemskov) Luganskogo meditsinskogo instituta (rektor - dotsent F.D. Povelitsa).
(INNOMINATE ARTERY--DISEASES) (THROMBOSIS)

ZEMSKOV, N.N., dotsent (Lugansk, ul. Alekseyeva, 5, kv. 37)

Some problems of myocardial revascularization. Vest. khir. 92 no.1: 122-130 Ja '64. (MIRA 17:11)

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ZEMSKOV, P., dotsent

Steel piston rings. Avt.transp. 41 no.2:29-32 F '63. (MIRA 16:2)

(Piston rings)

U-3

USSR / General Problems of Pathology. Pathological Physiology of Infectious Processes.

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 80249

Author : Zenskov, N. V.
Inst : Not given
Title : Change of the Antigen Composition of Several Parenchymatose Organs of White Mice Infected by the Instigation of Dysentery and by Streptococcus.

Orig Pub : Dyul. eksperim. biol. i meditsiny, 1957, 43, No. 2, 66-70.

Abstract : By means of a anaphylactic reaction with desensitization of the liver, spleen and kidney tissues of mice inoculated with Flexner dysentery bacteria, destruction of some quantities of the antigens was found in them with the formation of new foreign antigens. The greatest quantity of foreign antigens appeared in the spleen and kidneys. In mice

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Centralized control at a crushed stone plant. Strel. mat. 3 no.4: 34-35 Ap '57. (MLRA 10:6)

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[Electrician of an ore-dressing plant] Elektroslesar' obogatitel'noi fabriki. Moskva, Gosgortekhizdat, 1963. 227 p. (MIRA 16:12)

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[Maintenance of the ZIS-5 motortruck] Tekhnicheskoe obsluzhivanie avtomobilia ZIS-5. Moskva, Izd-vo M-va kommunal'nogo khoz. RSFSR, 1950. 95 p. (MIRA 16:7)
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[Centralized automotive freight haulage] TSentralizovannye perevozki gruzov avtomobil'nym transportom. Pod obshchei red. I.M. Gobermana. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 206 p. (MIRA 13:9)

1. Moscow. Avtomobil'no-dorozhnyy institut.
(Transportation, Automotive)

ACC NR: AP7006679 (A) SOURCE CODE: UR/0145/66/000/010/0121/0126

AUTHOR: Zemskov, P. I. (Lecturer); Zubenko, I. F. (Lecturer); Khavina, R. B. (Engineer); Yakushina, Ye. N. (Engineer); Degtyareva, O. F. (Engineer); Kharchenko, Ye. N. (Engineer)

ORG: Kharkov Institute of Communal Economy (Khar'kovskiy institut kommunal'nogo khozyaystva)

TITLE: Use of diffusion chrome plating to increase the durability of components

SOURCE: IVUZ. Mashinostroyeniye, no. 10, 1966, 121-126

TOPIC TAGS: metal diffusion plating, chromium plating, durability, antifriction metal

ABSTRACT: The authors study the antifriction properties and durability of components diffusion-plated with chromium. The specimens were put into iron containers with various chrome plating mixtures and the containers were then placed in a furnace where they were heated at 1075-1100°C for 6-8 hours. The chromium-containing medium was chromium oxide and ferrochrome. Four plating mixtures were used with the following compositions (in %): 1. FeCr--50, Al_2O_3--45, NH_4Cl--5; 2. Cr_2O_3--80, C--6, NH_4Cl--4, Al_2O_3--10; 3. Cr_2O_3--80, Ba_2Co_3--4, C--6, Al_2O_3--6, NH_4Cl--4; 4. FeCl--45, Al_2O_3--6, Cr_2O_3--45, NH_4Cl--4. Analysis showed that the surface layer in all cases contains 70-75% chromium and 6-8% aluminum. The depth of diffusion chrome plating for cast

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ACC NR: AP7006679

iron depends on plating time up to 8-10 hours and then remains constant. Hardness also increases with holding time. It was found that knurling followed by chrome plating is preferable to porous chrome plating for improving oil adhesion on surfaces subjected to friction. The durability of components with chrome-plated knurled surfaces may be increased by treatment in a solid carbonizer of the following composition (in %) carbon--50, Na_2CO_3--20, Fe (filings)--30. The treatment consists of holding for 5 hours at 900°C. Tinned and sulfidized surfaces show the best running-in properties with coefficients of friction of 0.0500 and 0.0550. Parkerized specimens have slightly higher coefficients of friction--0.0670-0.0680. Chrome plating mixtures of the second and third compositions gave the best results with respect to wear. Orig. art. has: 2 figures, 1 table.

SUB CODE: 11/ SUBM DATE: 6Apr65/ ORIG REF: 005

Card 2/2

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High-strength cast iron for motor crankshafts. Lit. proizv. 5:28-31 My '64. (MIRA 18:3)

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(Ore dressing--Equipment and supplies)
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[Overall mechanization and automatic control in strip mines] Kompleksnaia mekhanizatsiia i avtomatizatsiia na kar'erakh. Moskva, Nedra, 1964. 582 p. (MIRA 18:4)

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