The Influence Exerted by γ -Radiation Upon Coals in Aqueous and Carbon-Tetrachloride Medium

1. Coal--Effects of radiation 2. Gamma rays--Applications 3. Cobalt isotopes(Radioactive)---Applications 4. Solutions ---Applications 5. Carbon tetrachloride---Applications

Card 4/4

PHASE I BOOK EXPLOITATION

sov/3395

Losev, Boris Ivanovich, Mikhail Solomonovich Komskiy, and Mar'yana Aleksandrovna Troyanskaya

Tverdyy benzin; transport, khraneniye i primeneniye (Solid Gasoline; Transportation, Storage, and Use) Moscow, Gostoptekhizdat, 1959. 88 p. 5,050 copies printed.

Executive Ed.: O.M. Yenisherlova; Tech. Ed.: E.A. Mukhina.

PURPOSE: This book is intended for workers engaged in the production, transporting, storage and utilization of solid gasoline, as well as for engineers, technicians, the personnel of petroleum storage plants, motorists members of expeditions, and camping and hunting enthusiasts.

COVERAGE: The book outlines the history of the development of methods of solidifying gasoline and briefly describes production methods for converting liquid gasoline into solid briquets. It also reviews methods of recovering liquid gasoline from briquets with the aid of

Card 1/5

Solid Gasoline; (Cont.)

sov/3395

Soviet-made regenerators. Advantages in transporting and storing solid gasoline are indicated. The solid gasoline consists of a colloidal system in which the liquid gasoline is a dispersed phase distributed over a solid dispersion medium. The process of solidification entails two consecutive operations: 1) preparation of a stable highly concentrated emulsion in which liquid gasoline is in the dispersed phase, and an aqueous solution of specially selected high-molecular compounds as the dispersion medium; 2) the solidification of the dispersion medium or its conversion to a highly viscous compound. The preparation of solid gasoline briquets requires four operations: 1) preparation of the solution of emulsi-2) emulsification; 3) solidification and formation of 4) drying of briquets. The solution of emulsifiers usually contains casein, urea-formaldehyde resin, and polyvinyl alcohol. The method of solidification described can be used also with kerosene and other fuels. The research on gasoline solidification was carried out by scientists and engineers under the guidance of B.I. Losev and M.S. Komskiy at institutes of the former Ministry of the Petroleum Industry and of the Academy of Sciences. USSR.

Card 2/5

Solid Gasoline; (Cont.)	
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LOSEY, Boris Ivanovich; KOMSKIY, Mikhail Solomonovich; TROYANSKAYA,

Mar yana Aleksandrovna; YENISHERLOVA, O.M., vedushchiy red.;

MUKHINA, E.A., tekhn.red.

[Solid gasoline; transportation, storage, and use] Tverdyi bensin; transport, khranenie i primenenie. Moskva, Gos.nauchnotekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 88 p. (MIRA 12:12)

(Gasoline, Solid)

11(7)

PHASE I BOOK EXPLOITATION

SOV/3441

- Losev, Boris Ivanovich, Mikhail Solomonovich Komskiy, and Mar'yana Aleksandrovna Troyanskaya
- Otverzhdennoye motornoye toplivo (Solidified Engine Fuel) Moscow, AN SSSR, 1959. 213 p. Errata slip inserted. 2,500 copies printed.
- Sponsoring Agency: Akademiya nauk SSSR. Institut goryuchikh iskopayemykh.
- Resp. Ed.: I.P. Losev, Honored Worker in Science and Technology, RSFSR, Doctor of Technical Sciences; Ed. of Publishing House: A.L. Bankvitser; Tech. Ed.: I.F. Kuz'min.
- PURPOSE: This book is intended for technicians and specialists interested in the fuel solidification industry.
- COVERAGE: The authors deal with solidified fuels which have recently gained major importance in technical fields and in the domestic economy. The production of solidified fuels in hard briquets, their composition, dimensions, and principal advantages are discussed. Transportation and storage facilities are cited. No personalities are mentioned. There are no references.

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LOSEV, B., prof.

Germanium obtained from coal. IUn.tekh. 3 no.5:47-48

(AIRA 12:7)

Wy *59.

(Germanium)

LOSEV. B. pref. Gas from a giant gashelder. IUn. tekh. 3 ne.6:31-32
Je. 159. (MI (MIRA 12:8) (Gas, Natural)

LOSEY, B.I.

Liquefied gases in briguet form. Gas. prom. 4 no.12:17-24 D '59.

(MIRA 13:3)

(Liquefied gases) (Briquets (Fuel)---Transportation))

LOSEV, B., prof., doktor tekhn.nauk

Solid benzene. Pozh.delo 5 no.1:10-11 Ja '59. (MIRA 11:12)

(Benzene as fuel)

LOSEY, B.I.; AMMOSOV, I.I.; MEL'NIKOVA, A.N.; AMMOSOVA, Ya.M.; CHIBISOVA, K.I.; CHERNYKH, V.I.

Use of ultrasonic waves in coal bromination. Trudy IGI 8:131-141
159.

(Ultrasonic waves--Industrial application)
(Coal--Analysis)

5(4)

SOV/69-21-3-14/25

AUTHORS:

Losev, B.I. and Troyanskaya, M.A.

TITLE:

The Use of Aqueous Polyvinyl Alcohol Solutions for

Stabilizing Highly Concentrated Emulsions

PERIODICAL:

Kolloidnyy zhurnal, 1959, Vol XXI, Nr 3, pp 322-324

(USSR)

ABSTRACT:

The authors report on a study of properties of polyvinyl alcohol, which is used as a stabilizing and solidifying agent in emulsions of the type: Motor fuel (disperse phase, representing 90% and more of the emulsion) - aqueous solution of high-molecular emulsion stabilizers. In order to obtain solidified gasoline, the authors used 10% solutions of polyvinyl alcohol with a viscosity of 40-50 centipoises and an emulsifying capacity equal to 5. The experiments fully confirmed the suitability of this procedure. It was further found that polyvinyl alcohol solutions can be mixed found that polyvinyl alcohol solutions can be mixed with other soluble stabilizers (e.g. formaldehyde),

Card 1/2

in order to increase the elasticity and solidity of

SOV/69-21-3-14/25

The Use of Aqueous Polyvinyl Alcohol Solutions for Stabilizing Highly Concentrated Emulsions

the cellular structure, which finally gives to the emulsion the character of solidified fuel. The authors give details as to the viscosity and surface tensions of polyvinyl alcohol solutions. They mention the Soviet scientist P.A. Rebinder, whose device for the measuring of surface tensions was used for the experiments. There are 2 tables and 4 Soviet references.

ASSOCIATION: Institut goryuchikh iskopayemykh AN SSSR, Moskva

(Institute of Combustible Mined Matter of the AS

USSR, Moscow)

SUBMITTED: 31 January, 1958

Card 2/2

LOSEV, B.I.; MEL'NIKOVA, A.N.; SAPRYKIN, F.Ya.; YUTKIN, L.A. Crushing coal by the electrohydraulic method. Vest. AN SSSR 29 no.6:62-65 Je '59. (MIRA 12:5) (Coal, Fulverized) (Electric discharges)

11.7000

75680 \$0V/80-32-10-29/51

AUTHORS:

Losev, B. I., Vorob'yeva, N. S., Ninin, V. K., Zimakova,

Ye. A.

TITLE:

Behavior of Sulfur in Coal Chlorination Process

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 10, pp 2300-

2303 (USSR)

ABSTRACT:

Chlorination of Donbas coal, type PS (Chumakovo mine), PZh (Nikitovka), K (Avdakovo), and G (Dobropol'ye), and Kizelovskiy basin (Komsomolets) coal, reduced the content of ash as well as of pyrite and organic sulfur; sulfur of sulfate origin was removed completely in chlorination. Multistage chlorination removed up to 80% of total sulfur content. The addition of chlorinated coal with 1 to 10% C1 to the coke oven charge reduced the coke's sulfur content by 10 to 15%; the mechanical constants of coke remained unaffected. There are 2 figures; 5 tables; and 7 references, 4 British, 1 German, and 2 Soviet. Most recent British references are: H. Eccles, A. McCulloch, J. Soc. Chem. Ind., 49, 377-382T, 383-386T (1930); A. Marsch, A. McCulloch, E. Parrisch, ibid.,

Card 1/2

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520

Behavior of Sulfur in Coal Chlorination

Process

75680 **SOV/**80-32-10-29/51

48, 167-174T (1929).

SUBMITTED:

December 8, 1958

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5.4100, 5.3160

75697 **sov**/80-32-10-46/51

AUTHORS:

Losev, 3. I., Bylyna, E. A.

TITLE:

Brief Communications. Paramagnetic Resonance in Mined Coals

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 10, pp 2359-

2361 (USSR)

ABSTRACT:

In the present paper the paramagnetic resonance of several mined coals of the Donets coal field was measured. Estonian peat was also checked, but paramagnetic resonance was not detected. Diphenylpicrylhydrazyl (I) (Abstracter's note: in the text it is given as diphenylpicrylhydrazine) was taken as standard, with a 3-factor of 2.003 ± 0.001 at a frequency of 9,450 megahertz. The approximate concentration of free radicals was calculated by comparison with absorption lines of standard samples, containing 1% of I. The authors tend to agree with Ingram that the "free radical" concentration is a function of the degree of metamorphism. There is 1 table; 2 figures; and 19 references, 5 Soviet, 8 U.S., 5. British, 1 German. The 5 U.S. and British references are:

Card 1/2

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520

Brief Communications. Paramagnetic 75697 Resonance in Mined Coals S07/80-32-10-46/51 I. G. Gastle, Phys. Rev. 92, 1063 (1953); 95, 846 (1954); F. K. Henning and others, 151d, 1088 (1954); I. E. Ingram. I. E. Bennett, Phil. Mag. 45, 545 (1954); and 42, 1221. (1954).

SUBMITTED:

December 8, 1958

Card 2/2

5 (4) AUTHORS:

Losev, B. I., Troyanskaya, M. A., Bylyna, E. A. SOV/20-125-1-35/67

TITLE:

The Formation of Hexachloro Ethane Due to rirradiation of Carbon Tetrachloride (Obrazovaniye geksakhloretana pri

-obluchenii chetyrekhkhloristogo ugleroda)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 1, pp 133 - 134

(USSR)

ABSTRACT:

The authors studied the products resulting from the chlorination of coal which were formed in carbon tetrachloride due to rirradiation of mineral coals. The production of samples is outlined. Co⁶⁰ with a capacity of 21,000 gram-equivalents of radium served as resource. The irradiation was performed with dose rates of 3.5. 10 and 1.15. 10 r/hour. In all cases the total dose amounted to 10 r. The coal was then separated from CCl and further investigated. The carbon tetrachloride, which after irradiation with coal assumes a dark reddish brown coloration, was distilled; the fractions 76.5 - 78 78 - 80 and

Card 1/2 80° - 90° as well as a thick resin-like residue were thus ob-

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R0009305200

The Formation of Hexachloro Ethane Due to -irradia- SOV/20-125-1-35/67 tion of Carbon Tetrachloride

tained; with further increase in temperature a white, crystalline, pungent substance was sublimed out of the above mentioned residue. The same white substance was sublimed out of the aforementioned fractions. In water it is insoluble, but dissolves readily in acetone, benzene, and carbon tetrachloride: its meltones

ing point is 183.5 - 184°, and its weight M = 236.76. This substance is assumed to be hexachloro ethane. In various experiments hexachloro ethane was synthesized in a quantity of 1,000 molecules per 100 eV. This value indicates a chain-like nature of the reaction, and may be explained by the following scheme (Ref 5): $CCl_4 + Cl_5 + Cl$

ASSOCIATION: Institut gorpuchikh iskopayemykh Akademii nauk SSSR (Institute of Mineral Fuels f the Academy of Sciences USSR)

PRESENTED: November 25, 1958, by A. V. Topchiyev, Academician

SUBMITTED: November 25, 1958

Card 2/2

5(4) AUTHORS: Losev, B. I., Bylyna, E. A. SOV/20-125-4-34/74

TITLE: Paramagnetic Resonance in Fossil Coals (Paramagnitnyy rezonans

y iskopsemykh uglyakh)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 4, pp 814-816

(USSR)

ABSTRACT: The authors give a survey on the discovery (1953, Refs 1, 2) and investigation (Refs 6-10) of paramagnetic resonance

and investigation (notation) attracts, activated charcoal, carbonized (PR) in graphite strata, activated charcoal, carbonized products. The organic residues, fossil coal and carbonized products. The PR of fossil coal was used for the determination of the PR of free radicals per 1 g coal as a function of the denumber of free radicals per 1 g coal of metamorphism (Ref 6). In coal of different stages of metamorphism the number of free radicals per 1 g coal fluctuated between 0.5.10 - 3.10 per gram, i.e. 1 free radical per 1500-4000 carbon atoms. This confirms that the free radicals are not conduction electrons, responsible for the PR (Ref 9). A PR, easily to be measured was found (Ref 11) in anthracite, mineral coal, charcoal, petroleum asphalt, carbonthracite, mineral coal, charcoal, petroleum asph

anthracite, minoral coal, charter The intensity of the lite, rubber as well as in petroleum. The intensity of the effect increased by about the threefold in all cases under

effect increased by about the threstold in discording until the temperature of liquid air is reached; this cooling until the temperature of liquid air is reached; this

1,7

Paramagnetic Resonance in Fossil Coals

507/20-125-4-34/74

holds for both the free radical and anthracite. The authors believe that the PR is in all cases due to the free radicals or the "torn bonds" between the carbon atoms. In the work under review the authors measured the PR of several fossil coal types and of Estonian peat with respect to the degree of metamorphism. Peat contained no PR (Table 1). Figures 1 and 2 show the PR of the coal investigated. Diphenyl picryl hydrazine (DPH) was used for purposes of comparison. The approximative concentration of the "free radicals" was calculated by comparing the absorption lines with the standard sample (1% DPH-content). It is true that these concentrations are approximative with respect to this sample, with respect to their mutual function, however, the accuracy of these concentrations is within + 10%. Figure 2 shows these concentrations as a function of the degree of metamorphism of coal. They agree with reference 6. In the USSR as well as abroad (Refs 13-19) scientists arrived at the conclusion that the molecular compounds of the carbon substance consist of condensed aromatic nuclei to which side chains are connected, called "fringes". The degree of condensation increases in the course of metamorphism, whereas the number of the side chains decreases. The authors agree with Ingraham et al (Ref 6): the concentration of the free radicals is not only a function of the degree of metamorphism but also

card 2/3

Paramagnetic Resonance in Fossil Coals

SOV/20-125-4-34/74

a function of the degree of condensation of the aromatic cycles. Future investigations are to find what sort of function is concerned. There are 1 figure, 1 table, and 19 ref-

erences, 4 of which are Soviet.

PRESENTED: November 25, 1958, by A. V. Topchiyev, Academician

SUBMITTED: November 25, 1958

Card 3/3

LOSEV, Beris Ivanovich, doktor tekhm.nauk, prof.; STREL'TSOV, Konstantin Nikolayevich; PECHENKIN, A.L., inzh., red.; ERAGINSKIY, V.A., inzh., red.; FRECER, D.P., izd.red.; HELOGUROVA, I.A., tekhm.red.

[Manufacture and assembly of parts made of plastics; a survey]
Obrabotka i sborka detalei iz plasticheskikh mass; obzor. Pod
red. A.L.Pechenkina i V.A.Braginskogo. Leningrad, 1960. 75 p.
(MIRA 14:6)

(Plastics)

LOSEV, B.I.; MEL'NIKOVA, A.N.; PITIN, R.N.; FARBEROV, I.L.

Volatility of germanium in coals. Trudy IGI 13:164-166 '60.

(Germanium) (Goal)

S/194/61/000/007/047/079
D201/D305

TITLE:

Oxidation of rumic acids and mineral coals by ultrasound waves
sonic waves
sonic vaves
1961, Avtomatika i (Tr. In-150)
no. 7, 1961

APPROVED FOR RELEASE: Monday, July 31, 2000

Oxidation of humic acids...

S/194/61/000/007/047/079 D201/D305

With ultrasounds applied to an alkaline liquid, formic and acetic acids may be obtained: With aqueous solutions humic acids undergo peptization and only the second application of ultrasound to the ences. Abstracter's note: Complete translation

LOSEV, B.I.; LIDINA, N.G.

Oxidation of coals and humic acids under the influence of ultrasonic waves. Dokl.AN SSSR 133 no.1:186-188 J1 60. (MIRA 13:7)

1. Institut goryuchikh iskopayemykh Akademii nauk SSSR. Predstavleno akademikom A.N. Tereninym.
(Ultrasonic waves) (Humic acids) (Coal)

s/081/62/000/010/070/085 B168/B180

AUTHOR:

Losev, B. I.

Solidified liquefied gases

TITLE

Referativnyy zhurnal. Khimiya, no. 10, 1962, 527, abstract 10k219 (Novosti neft. i gaz. tekhn. Gaz. delo, no. 3, 1961,

PERIODICAL:

TEXT: The article discusses various methods of converting liquid fuels and liquefied petroleum hydrocarbon gases (butane and propane) into solid and inqueried perform nyurodaroon gases (outane and propane) into briquets, and also the storage, transport and utilization of such briquets. [Abstracter's note: Complete translation.]

Card 1/1

LOSEV, B.I.; VOROB'YEVA, N.S.; ZIMAKOVA, Ye.A.

Characteristics of interation between halogens and coals of different types. Khim. i tekh.topl.i masel 6 no.7:26-30 Jl '61. (MIRA 14:6)

1. Institut goryuchikh iskopayemykh AN SSSR. (Halogens) (Coal)

LOSEV, Boris Iyanovich, doktor tekhn. nauk, prof.; IVANOV, S.M., red.; NAZAROVA, A.S., tekhn. red.

[Solid gas] Tverdyi gaz. Moskva, Izd-vo "Znanie," 1962. 31 p. (Novoe v zhizni, nauke, tekhnike. IV Seriia: Tekhnika, no.9)

(Gasoline, Solid)

(Gasoline, Solid)

5/196/62/000/014/029/046 E194/E155

AUTHOR:

Losev, B.I.

TITLE:

The solidification of compressed gases

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,

no.14, 1962, 8, abstract 14 G 41. (Tr. In-ta

goryuchikh iskopayemykh. AN SSSR, v.16, 1961, 132-136)

The Institut goryuchikh iskopayemykh AN SSSR TEXT: (Institute of Mineral Fuels, AS USSR) together with the staff of the Groznyy kreking-zavod (Groznyy Cracking Works) has developed a method of converting liquid fuel and compressed gases into solid briquettes stored and transported in paper packets. In use the briquette is lit with a match and burns slowly. The flame is easily extinguished and an extinguished briquette can be used again. The most important of the solidified fuels is gasoline and then compressed gases. The solidified fuel can be re-converted into the liquid state by heat or mechanical treatment; the loss on regeneration is 2 - 3% and the quality of the fuel is hardly altered.

Abstractor's note: Complete translation. Card 1/1

LOSEV, B.I., prof., doktor tekhn.nauk; LOMAGIN, N.A., kand.tekhn.nauk

Use of briquets made from liquid fuel and gas for the needs of the national economy and of transportation. Zhel.dor.transp. 44 no.5154-59 My 162. (MIRA 15:5)

(Briquets (Fuel))

LOMASHOV, Ivan Pavlovich, kand. geol.-miner. nauk; LOSEV, Boris
Ivanovich, prof., doktor tekhn. nauk; VLASOV, L.G., red.;
SHHKINA, G.S., tekhn. red.

[Germanium in coals]Germanii v iskopaenykh ugliakh. Monkva,
Izd-vo Akad. nauk SSSR, 1962. 257 p. (MIRA 15:11)

(Germanium)

BULATOV, Georgiy Aleksandrovich: LOSEV, B.I., doktor tekhn.
nauk, prof., red.; KALASHNIK, G.I., red.; KALACHEV, S.G.,
tekhn. red.

[Plastic foams used in airplane manufacture] Penoplasty v aviatsionnoi tekhnike. Moskva, Voenizdat, 1963. 93 p.
(MIRA 16:12)

(Airplanes-Design and construction)
(Plastic foam)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009305200

4

LOSEV, B.I., doktor tekhn. nauk, prof.

Consultation. Gaz. prom. 8 no.8:20-22 163.

(MIRA 17:11)

LOSEV, Borie Tuenovich; MONINA, Margarita L'vovna; LOSEV, I.P., zasl. deyatel; nauki i tekhniki RSFSR, doktor tekhn.nauk, red.[deocased]; CHERNIKOVA. V.K., red.

[Glass reinforced plastics] Steklo-plastiki. Moskva, Izdvo "Znanie," 1964. 45 p. (Novoe v zhizni, nauke, tekhnike. XI Seriia: Khimiia, no.7) (MIRA 17:11)

GLAGOLEVA, L.A., kand. tekhn. nauk; RAKHLIN, I.V., kand. ekon. nauk; LOSEV, B.I., doktor tekhn.nauk, retsenzent; ITIN, L.I., doktor ekon. nauk, red.

[Economic efficiency of using plastics in machinery manufacturing] Ekonomicheskaia effektivnost primeneniia plastmass v mashinostroenii. Moskva, Izd-vo Mashinostroenie, 1964. 167 p. (MIRA 17:5)

BRAMSON, Mikael Abramovich; LOSEV, B.I., doktor tekhn. nauk, prof., otv. red.

[Reference tables on infrared radiation from heated bodies] Spravochnye tablitsy po infrakrasnomu izlucheniiu nagretykh tel. Moskva, Nauka, 1964. 313 p. (MIRA 17:12)

LOSEV, B.I.; MONINA, M.L.

Recent data on the use of plastics to protect metal structural elements from corrosion in the oil and gas industry abroad.

Gaz. delo no.5:22-27.64 (MIRA 17:7)

1. Institut goryuchikh iskopayemykh AN SSSR.

BRAMSON, Mikael! Abramovich; LOSEV, b.I., dektor tekan. neuk, prof. otv. red.

[Infrared radiaton from heated bodies] Infrakrasme iz-

[Infrared radiaton from heated bodies] Infrakrasnce 12luchenie nagretykh tel. Moskva, Nauka, 1964. 221 p. (MIRA 18:1)

LOSEV, B.I., prof.; MONINA, M.L.

Water is indispensable! Priroda 54 no.6:17-23 Je 165.

(MIRA 18)

Use of reinforced glass plastics in the rolling stock and technological systems. Zhel. dor. transp. 47 no.1:93-95
Ja '65. (MIRA 18:3)

LOSEV, B.I.; MONINA, M.L.

Recent data on the use of plastics in the oil and gas industry abroad. Gaz. delo no.7:39-42 64. (MIRA 17:8)

1. Institut goryuchikh iskopayemykh AN SSSR.

LOSEV, B.I.; MGCHEA, M.L.

Folyformaldohyde as a new material for pipelines in the oil and gas industry. Neft. khoz. 42 no.12:57-62 D 162 (MIRA 18:2)

Losev, Boris Ivanovich; Putintsev, Georgiy Vasil'yevich; Strel'tsov,
Konstantin Nikolayevich

Processing and finishing of plastic parts
(Obrabotka i otdelka detaley iz plastmass) [Leningrad] Lenizdat,
(Obrabotka i otdelka deta

TABLE OF CONTENTS (abridged):

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"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520

ACC NR: AP6030461 SOURCE CODE: UR/0213/66/006/004/0702/0706 (N)AUTHOR: Losev, B. F. ORG: none TIT.E: Nomograms for determining the parameters of equations SOURCE: Okeanologiya, v. 6, no. 4, 1966, 702-706 TOPIC TAGS: equation, amplitude, attenuation, hydrography, oceanography, nomogram, approximation method, sound transmission, correlation function ABSTRACT: The equation $y = Ae^{-ax}(\cos bx + a/b\sin bx)$ where a and b are parameters characterizing the amplitude and attenuation of sound, plotted on the curve in the region near the abcisia, is used to approximate certain types of correlation functions found experimentally from hydrographic or oceanographic research. A method is described which makes it possible to determine parameters a and bowith the aid of a nomogram. Orig. art. has: 9 formulas, 4 figures, and 1 table. SUB CODE: 08. 12/ SUBM DATE: 21Nov64/ 1/1 VDC: 518.3:551.46.0 Card

SYPCHUK, Pavel Filippovich; LOSEV, B.S., nauchnyy red.; LYUBINSKAYA,A.G., red., ANTONIUK, P.D., tekhn.red.

[Assembling large-panel houses without a framework] Montaph krupnopanel'nykh beskarkasnykh domov. Moskva, Vass.uchebno-pedagog. ixd-vo Trudrezervizdat, 1936. 90 p. (MIRA 10:12)

(Precast concrete construction)

KAMENETSKIY, Solomon Pavlovich; LOSEV, B.S., inshener, nauchnyy redaktor; BEGAK, B.A., redaktor izdatel stva; MEDVEDEV, L.Ya, tekhnicheskiy redaktor

[Heat insulating work] Teplcizoliatsionnye raboty. Moskva. Gos. izd-vo lit-ry po stroit. i arkhitekture. 1956. 290 p. (MLRA 9:8) (Insulation (Heat))

Losev B.S.

PHASE I BOOK EXPLOITATION 671

- Kukushkin, Aleksandr Ivanovich; Boykov, Aleksandr Geogriyevich; Ivanov, Anatoliy Mikolayevich
- Teploizolyatsionnyye raboty (Heat Insulation) Moscow, Gostoptekhizdat, 1958. 254 p. 6,000 copies printed.
- Ed.: Losev, B. S.; Executive Ed.: Martynova, M. P.; Tech. Ed.: Fedotova, I. G.
- PURPOSE: This book is intended for foremen, and engineering and technical personnel of concerns dealing with heat insulating problems.
- COVERAGE: This book provides general information in popular form on heat insulation and the exploitation of heat insulating materials, manufacture of these materials, and appropriate equipment. The authors outline principles of heat transfer and classify the equipment for heating and refrigerating. The capital invested for heat insulating equipment should be recovered by its exploitation within one year. Efficiency of proper heat insulating equipment varies from 85 to 95 percent. Resonable usage of one ton of insulating

Card 1/4

Heat Insulation

671

material leads to the economy of 200 tons of rated fuel per year. During the prewar period the Soviet industry manufactured large quantities of friable heat insulating products such as "ASBOTERMIT", "NOVOASBOZURIT", "ASBOSLIUDA" and others. Mastic heat-insulating construction parts were based on the above-mentioned materials. There are two serious disadvantages connected with application of mastic heat-insulating constructional parts, namely: necessity of preheating the equipment to be insulated and the labor involved being 2 to 5 times more than in the case when large formed heat-insulating parts are used. After the war the use of mastic heat-insulating construction parts was sharply reduced and production of slag wool was rapidly developed. This material is more economical and suitable for refrigeration and heat insulation up to +600°C. The book mentions that at the present there is no wide choice of heat insulating materials that can be used in construction processes. Nevertheless, production of heat-insulating raw materials and ready-made products develops rapidly.

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SHREYBER, Andrey Konstantinovich, kand.takhn.nauk; LOSEV, B.S., nauchnyy red.; VLADIMIROVICH, A.G., red.; RYCHEK, T.I., red.; PERSON, M.N., tekhn.red.

[Manual for the young mason] Spravochnik molodogo kamenshchika. Izd.2., perer. 1 dop. Moskva, Vses.uchebno-pedagog.izd-vo Prof-tekhizdat, 1961. 337 p. (MIRA 14:6) (Masonry)

LOSEV.D.

LOSEV.D.

On the main line. Rab. i sial.30 no.8:8 Ag'54. (MIRA 8:12)

(White Russia--Railroads)

LOSEV, David Hatonovich; POLISAR, Grigoriy Leyzerovich; FILIMONOV,
Yuriy Polikerpovich; AFOSHIN, A.N., kand. tekhn.nauk, retsonzent; SAVCHENKO, L.T., inzh., retsonzent; SMIRNOV, A.S., kand.
tekhn. nauk, nauchnyy red.; LESKOVA, L.R., red.; KRYAKOVA, D.M.,
tekhn. red.

[Elements and networks of contactless remote control devices]
Elementy i uzly beskontaktnykh telemekhanicheskikh ustroistv.
Elementy i uzly beskontaktnykh telemekhanicheskikh ustroistv.
Leningrad, Sudpromgiz, 1962. 246 p. (MIRA 15:12)
(Remote control) (Pulse techniques (Electronics))

PAVLOV, I.N. [deceased]; PROKHOROV, S.P.; SKVORTSOV, G.G.; LOSEV, F.I.; Prinimali uchastiye: ROMANOVSKAYA, L.I.; KISSIN, I.G.; KULIBABA, F.V. FILIPPOVA, B.S., red.; IVANOVA, A.G., tekhn.red.

[Iron ore deposits in the Kursk Magnetic Anomaly from the point of view of hydrogeology and engineering geology] Gidrogeologi-cheskie i inzhenerno-geologicheskie usloviia zhelesorudnykh mestoroshdenii Kurskoi magnitnoi anomalii. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po geol. i okhrane nedr, 1959. 271 p.

(MIRA 13:3)

(Kursk Magnetic Anomaly--Iron ores)

ANTIPIN, V.I.; BUDANOV, N.D.; KOTLUKOV, V.A.; LEYBOSHITS, A.M.;
PROKHOROV, S.P., kand.geol.-miner.nauk; SIRMAN, A.P.;
FALOVSKIY, A.A.; SHTEYN, M.A.; BASKOV, Ye.A.; BOGATKOV,
Ye.A.; GANEYEVA, M.M.; ZARUBINSKIY, Ya.I.; IL'INA, Ye.V.;
KATSIYAYEV, S.K.; KOMPANIYETS, N.G.; NELYUBOV, L.P.;
PONOMAREV, A.I.; REZNICHENKO, V.T.; RULEV, N.A.; TSELIGOROVA,
A.I.; ALSTER, R.K.; SHVETSOV, P.F.; VYKHODTSEV, A.P.; KOTO'A,
A.I.; KASHKOVSKIY, G.N.; LOSEV, F.I.; ROMANOVSKAYA, L.I.;
PROKHOROV, S.P.; MATVEYEV, A.K., dots., retsenzent; CHEL'TSOV,
M.I., inzh., retsenzent; KUDASHOV, A.I., otv. red.; PETRYAKOVA,
Ye.P., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[State of flooding and conditions for the exploitation of coalbearing areas in the U.S.S.R.] Obvodnennost' i usloviia ekspluatatsii mestorozhdenii ugol'nykh raionov. Pod nauchn. red. S.P.Prokhorova. Moskva, Gosgortekhizdat, 1962. 243 p. (MIRA 15:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidro-geologii i inzhenernoy geologii. 2. Kafedra geologii i geo-khimii goryuchikh iskopayemykh Moskovskogo Gosudarstvennogo universiteta (for Matveyev).

(Coal geology) (Mine water)

BABUSHKIN, Vul'f Davydovich; PROKHOROV, Sergey Petrovich; IOSEV, Feliks Ionovich; PREDKO, /leksandr Georgiyevich. Prinimal uchastiye OSTAPENKO, T.V.

[Methods of calculating the general inrush of water into coal mines] Metody rascheta obshchego pritoka vody v shakhty ugol'-nykh mestorozhdenii. [By] V.D.Babushkin i dr. Moskva, Izd-vo "Nedra," 1964. 122 p. (MIRA 17:6)

PRAVOTOROV, L.; LOSEV, C.

Contineus cleaning and drying of grain. Muk.-elev.prem. 22 no.5:7-9 My '56. (MIRA 9:9)

1.Vyschaya sagetevitel'naya shkela. (Grain--Cleaning) (Grain--Drying)

LOSEV, G.A., elektromekhanik

We are introducing new equipment. Avtom., telem. i sviaz' 7 no.5:27-28 My '63. (MIRA 16:7)

l. Rostovskaya distantsiya signalizatsii i svyazi Severo-Kavkazskoy dorogi. (Railroads)

Materials of the future. NTO 5 no.3:40-42 Mr 163.
(MIRA 16:4)

1. Predsedatel TSentral nogo pravleniya Vsesoyuznogo khimicheskogo obshchestva imeni Mendeleyeva. (Synthetic products)

LOSEV, I., prof.

United front. NTO 2 no.6:11-12 Je '60.

(MIRA 14:2)

1. Predsedatel' TSentral'nogo pravleniya Vsesoyuznogo khimicheskogo obshchestva imeni D.I.Mendeleyeva.

(Petroleum research)

LOSEV, I., inzh. Selection of electric drives and electric propulsion systems for dredgers. Rech. transp. 20 no.9:39-42 S *61.

(Dredging machinery-Electric driving)

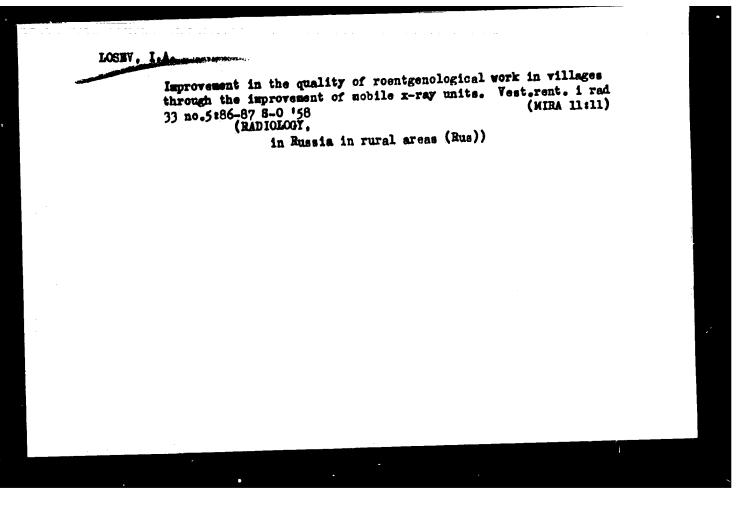
(Ship propulsion, Electric) (MIRA 14:9)

LOSEV, I., inzh.

Using a highly economical ioni: electric drive on dradges.
Rech. transp. 23 no.10:49 0 '64. (iIIPA 17:12)

Selecting a system of automatizing voltage control in marine
selectric power plants. Sudostroenie 23 no.12:38-42 D *57.
(MIRA 11:2)

(Electricity on ships)
(Automatic control)



LOSEV, Israil Aleksandrovich; PUKHOV, Anatoliy Aleksandrovich; GLUSHKOV, Yu.M., nauchnyy red.; ZAVEL SKAYA, V.M., red. izd-va; KONTOROVICH, A.I., tekhn. red.

[Electrical equipment of workboats and floating cranes] Elektrochemdovanie sudov i plavuchikh kranov tekhnicheskogo flota. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 326 p. (MIRA 14:8)

(Workboats-Electric equipment) (Floating cranes-Electric equipment)

Ag 160.

YUL'P, L.A., insh.; LOSEY, I.G. Moving underground telephone lines. Gor. khoz. Mosk 34 no.8:32-33 (MIRA 13:9)

(Moscow--Telephone lines)

AFANAS YEV, A.P.; ANUCHIN, V.G.; VINOGRADOV, K.V.; GARANINA, M.M.;

GILEROVICH, M.M.; DUEROVSKIY, Ye.P.; YEVSTIGNETEV, A.A.; IOKHVIN.

M.R.; KALMIKOV, P.M.; KRENGEL', I.TS.; LOSEY, I.G.; MAYEVSKIY,

F.M.; MAZEL', S.I.; MIZHERITSKIY, G.S.; NOVIKOV, M.I.; NAZAR YEV,

C.V.; PCHELKINA, I.A.; RAZUMOV, V.S.; ROZENBIXUM, I.M.; SEROV, B.P.;

SKRIPNIK, T.I.; SALVIN, Ye.S.; SMOTRINA, V.F.; TELEPNEVA, N.S.;

FIL'CHAKOV, N.I.; KHRAPUNOVA, Ye.L.; UNDREVICH, G.S.; UR'T'YEV, P.P.;

SHILOV, E.A.; SHIXKOV, A.P.; KIRILLOV, L.M., red.; MARKOCH, M.G.,

tekhn.red.

[Regulations on the construction of minicipal telephone network lines]
Pravila po stroitel'stvu lineinykh sooruzhenii gorodskikh telefonnykh
setei. 2.izd. Moskva, Sviaz'izdat, 1962. 511 p. (MIRA 15:5)

1. Russia (1923- U.S.S.R.) Ministerstvo svyazi. Glavnoye upravleniye kapital'nogo stroitel'stva.
(Telephone lines)

## LOSEV, Il'ya Maksimovich; BELONOCOV, P.; ZARKHIN, B.

[Utilize working time more preductively; analysis of the working by the worker]Produktivnee ispol'zovat' rabochee vremia; opyt provedeniia samofotografii rabochego dnia.

Moskva, Profizdat, 1961. 55 p. (MIRA 15:10)

(Labor productivity)

B4D.R C3D.R

## LOSEV, I. P.

Delivered (together with Trostyanskaya Ye. B.) a paper Reaktsiya vzaimodeystviya khloristogo allila s tsellyulozoy" at Chetvertaya konferentsiya po vysokomolekulyarnym soyedineniyam, May 1946.

Source: Khimicheskaya Promyshlennost, 1946, No. 7-8, page 17.

P-5567

1.0 . . . . / SOV-19-58-2-298/551

Losev, I.P.; Kuznetsov, D.A. and Valgin, V.D. AUTHORS:

A Means of Obtaining Foam Plastics (Sposob polucheniya TITLE:

penoplastov)

Byulleten' izobreteniy, 1958, Nr 2, p 69 (USSR) PERIODICAL:

Class 39b, 22. Nr 111861 (573691 of 27 May 1957). Submitted to the Committee of Inventions and Discoveries at the Coun-ABSTRACT: cil of Ministers of USSR. A method of foam plastic production on the base of low-molecular polyepoxyde resins in the presence of surface tension-lowering substances. To improve the heat resistance and strength of the foam plastics, the copolymerization of apoxyde resins is carried cut with aromatic

diamines.

2. Amines--Polymerization 1. Expanded plastics--Preparation 3. Resins--Polymerization 4. Copolymerization--Applications

Card 1/1

sov/19-58-7-217/392

AUTHORS:

Yevseyev, N.N., Radayev, M.V., and Losev, I.P.

TITLE

A Method of Producing Benzo-Resistant Sealing Material (Sposob prigotovleniya benzostoykogo uplotnyayushchego

materials)

PERIODICAL:

Byulleten' izobreteniy, 1958, Nr 7, p 51 (USSR)

ABSTRACT

Class 41d, 4. Nr 114151 (360630 of 28 November 1957). Submitted to the Gostekhnika SSSR. A method of producing benzo-resistant sealing material, consisting of soaking felt in resins and latexes in the process of rolling the felt between calender rolls heated to different tempera. ture, so that the one side of the material remains porous;

and the other becomes dense.

Card 1/1

3/882/62/000/002/073/100 A004/A126

Losev, I.P., Trostyanskaya, Ye.B., Tevlina, A.S., Nefedova, G.Z.

AUTHORS: A method of producing insoluble polymer products

TITLE: Sbornik izobrete: 'y; plastmassy i sinteticheskiye smoly.

Kom. po delam isobr. i otkrytiy. Moscow, TsBTI, 1962, 39 [Author's Certificate no. 133221, cl. 39b, 2201 (appl. no. 628967 of May 21,

1959)

Insoluble polymer products on the base of styrene and divinyl benzene copolymers are used as selective ion absorbers from electrolyte mixtures. The method of producing insoluble polymers is characterized by that the process is performed according to the following schedule: granulation copolymerization; chloromethylation of the copolymer swollen in chloroethane; amination of the swollen chloromethylated copolymer in dioxane triethanolamine at 100°C for 8 h; oxidation of the obtained amine swollen in dioxane by heating with nitric acid (specific gravity 1.34) at 80 - 100 C fcr 4 h; treatment of the obtained product with potassium iodide at 94°C for 3 h and second oxidation with a 56% solution of

Card 1/2

SOURCE:

A method of producing insoluble belymer products

nitric acid at 95 - 100°C for 4'hl The insoluble complexes obtained by this method have the shape of spherical granules of 0.1 - 0.5 mm, swelling in water up to 71%.

[Abstracter's note: Complete translation]

3/882/62/000/002/022/100 A057/A126

AUTHORS:

Fedotova, O.Ya., Losev, I.P., Brysin, Yu.P., Pugachevskaya, N.F.

TITLE:

A method for the preparation of polyamides

SOURCE:

Sbornik izobreteniy; plastmassy i sinteticheskiye smoly. no. 2. Kom. po delam izobr. i otkrytiy. Moscow, TsBTI, 1962, 15 [Author's certificate no. 127391, cl. 39c, 13 (appl. no. 630605 of June 9,

1959)]

TEXT: Polyamides with higher thermostability than their aliphatic analogs from diamines and higher fatty dicarboxylic acids can be prepared by the present method by condensation of diamines with terephthalic acid esters. The polycondensation of aromatic diamines with terephthalic dimethyl ester is carried out in two stages - first at about 200°C and then at 360 - 500°C. Equimolecular quantities of benzidine and terephthalic dimethyl ester are heated at 190 - 200°C during 1.5 - 2 h in an autoclave, then the air is removed by an inert gas, the temperature raised quickly to 500°C and held at this temperature for 15 min. The condensation of 4,41-diaminodiphenylmethane, or tolidine, with the ester oc-

Card 1/2

A method for the preparation of polyamides

\$/882/62/000/002/022/100 A057/A126

curs first by heating at  $190 - 200^{\circ}\text{C}$  or  $200 - 220^{\circ}\text{C}$ , respectively, after removal of the air from the autoclave, and then in the second stage at  $360^{\circ}\text{C}$  in a vacuum (2 - 3 torr residual pressure) for 40 - 60 min (with tolidine 50 min). The duration of the second stage is extended to 3 - 4 h in polycondensation of  $4,4^{1}$ -diamino-3,3¹-dimethyldiphenylmethane with dimethylterephthalate. These polyamides are insoluble in common solvents, have a molecular weight of about 10,000 - 14,000 and a melting point in the range  $380 - 500^{\circ}\text{C}$ . The processing into articles can be carried out by pressing to tablets at pressures of  $200 - 300 \text{ kg/cm}^2$  with subsequent sintering in nitrogen atmosphere. The positive conclusions from the patent were forwarded to the Goskomitet SM SSSR po khimii (Goskomitet CM USSR for Chemistry).

[Abstracter's note: Complete translation]

Carry 2/2

15183 **5/882/62/000/002/050/100** A057/A126

5.383

AUTHORS:

Losev, I.P., Trostyanskaya, Ye.B., Tevlin, A.S.

TITLE:

A method for the production of ion exchange, resins

SOURCE:

Sbornik izobreteniy; plastmassy i sinteticheskiye smoly. no. 2. Kom. po delam izobr. i otkrytiy. Moscow, TsBTI, 1962, 28 - 29 [Author's certificate no. 131081, cl. 39b, 2201 (appl. no. 643687 of November 9, 1959)]

TEXT: It is suggested to soak granules of ion exchange resins on the basis of styrene co-polymers of the type ACM (ASM), or CBI (SVD) with non-saturated amines, for instance methylvinylpyridine, or with non-saturated acids, for instance vinylsulfonic acid, and treat them afterwards with dimethylformamide and methyl iodide. 20 g cation exchange resin type CBI-3 (SVD-3) with a swelling capacity in water of 120% and an absorption capacity related to the Ca ion from a CaCl2 solution of 4.4 mg equiv/g is treated with 100 g 20% NaCl solution, washed with distilled water until a negative chloride reaction occurs in the wash water, and is dried at 80°C to a residual humidity of 10 - 20%. The cation

ρς.

Card 1/2

A method for the production of ion exchange resins

S/882/62/000/002/050/100 A057/A126

exchange resin is left afterwards for 4 h in a solution prepared from 100 g 60 - 65% sodium vinylsulfonate, 4 g (0.4%) ammonium persulfate, and 0.66 g (0.66%) sodium bisulfite. The cation exchange resin is then filtered off, held 4 h at room temperature, 4 h at 80°C regenerated with a HCl solution, and washed with distilled water. The swelling capacity of the obtained cation exchange resin is 180%, and the capacity related to sodium ion from a NaOH solution is 8 mg equiv/g. The patent allows an increase of the capacity of ion exchange resins.

[Abstracter's note: Complete translation]

Card 2/2

5(1)

SOV/19-59-2-300/600

AUTHORS:

TITLE:

Losev, I.P., Trostyanskaya, Ye.B., and Tevlina, A.S.

The second secon

A Method of Obtaining Cation-Exchanging-Sorbents

PERIODICAL:

Byulleten' izobreteniy, 1959, Nr 2, p 66 (USSR)

ABSTRACT:

Class 30b, 2201. Nr 117517 (365958 of 3 December 1948). Submitted to the Gostekhnika, USSR. The method consists in obtaining cation-exchanging sorbents by the sulfation of synthetic high-molecular compounds. Copolymer of butadiene with styrene is used for the high-molecular compound to be sulfated.

Card 1/1

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17 (2)

sov/19-59-2-71/600

AUTHORS:

Losev, I. P., Laskorin, B. N., Trostyanskaya, Ye. B., and

PRVIIne, A. S.

TITLE:

A Method of Concentrating and Separating Streptomycin

PERIODICAL:

Byulleten' izobreteniy, 1959, Nr 2, p 22 (USSR)

ABSTRACT:

Class 12d, 25₀₁, Nr 117525 (422979 of 14 Feb 1950)

Submitted to the Gostekhnika, USSR. A method of concentrating and separating streptomycin from diluted solutions with the use of absorbing agents in the form of synthetic cation-exchange resins, such as "SBS" and "SM" sorbents treated

with a 20%-solution of sodium chloride.

Card 1/1

15(8)

SOV/19-59-2-347/600

AUTHORS:

Losev, I.P., Trostyanskaya, Ye.B., and Teblina, A.S.

A Method of Obtaining a Resin Sorbent

TITLE:

PERIODICAL: Byulleten' izobreteniy, 1959, Nr 2, p 75 (USSR)

ABSTRACT:

Class 39b, 2201. Nr 117516 (365960 of 3 Dec 1958). Submitted to the Gostekhnika, USBR. A method of obtaining a resinous sorbent by sulfating synthetic regins. resins. Diallylphthalate resins are employed for the

purpose.

Card 1/1

25(1)

507/19-59-2-403/600

AUTHORS:

Losev, I.P., Fedotova, O.Ya., and Zakoshchikov, S.A.

TITLE:

A Device for Testing the Heat Resistance of Polyvinyl

Chloride Plastics

PERIODICAL:

Byulleten' izobreteniy, 1959, Nr 2, p 86 (USSR)

ABSTRACT:

Class 42 1, 1303. Nr 117456 (597203 of 12 April 1958). A device consisting of an electrically heated chamber and a rheostat. To automatically maintain a constat temperature rise rate, there is a synchronous motor connected to the rheostat, and a control rheostat connected into the feed circuit of the motor and interacting with

the chamber heater.

Card 1/1

Loseu,

SOV/19-59-4-170/317

5(3)

Losev, I.P., Trostyanskaya, Ye.B., and Tevlina, A.S.

TITLE:

AUTHORS:

A Method of Obtaining a Cation-Exchanging Sorbent

PERIODICAL:

Byulleten' izobreteniy, 1959, Nr 4, p 37 (USSR)

ABSTRACT:

Class 39c, 2. Nr 118207 (425201 of 7 July 1950). Submitted to the State Committee at the USSR Council of Ministers for the Introduction of Advanced Technique into the National Economy. A method as in title, in which the sorbent is obtained by condensing acid phosphate of phenol ethers with formaldehyde at 80° C.

Card 1/1

/61/000/019/049/091

15.8080

AUTHORS:

Zakoshchikov, S. A., Losev, I. P.

TITLE:

A method of preparing polymers

PERIODICAL:

Byulleten'izobreteniy, no. 19, 1961, 48

Class 39c, 2501. No. 141623 (686737/23 of November 24, 1960). A method of preparing polymers with mixed functions, distinguished by the fact that, in order to obtain sealing compounds, plastics and adhesives on their base, E-caprolactam is heated to 190 - 260°C under pressure together with vinyl acetate in the presence of water.

Card 1/1

CIA-RDP86-00513R0009305200 APPROVED FOR RELEASE: Monday, July 31, 2000

S/019/61/000/002/044/111 A156/A027

AUTHORS: Losev, I.P., Trostyanskaya, Ye.B., and Tevlina, A.S.

TITLE: A Method for Obtaining Anienites

PERIODICAL: Byulleten' izobreteniy, 1961, No. 2, p. 39

TEXT: Class 39b, 2201. No. 135218 (468485/23 of May 10, 1958). 1. A method of obtaining anionites based on vinylpyridine copolymers, the specific feature of which is its applicability to a greater number of ion-exchange resins used as raw materials. For this purpose, vinylpyridine rubber waste is used as the copolymer. This waste is vulcanized in the presence of sulfur and magnesium oxide, until it becomes like an ebonite, whereupon the product is granulated, 2. For the purpose of obtaining a high-base anionite, the copolymer granules are treated with ethyl bromide in the presence of methyl alcohol. 3. The new feature of this is the use of vulcanizers, produced as specified in 1 and 2, for the manufacture of homogenous anionite membranes, by known means.

Card 1/1

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Losev, I.P.; Trostyanskaya, Ye.B.; Tevlina, A.S.; Nefedova, G.

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TITLE:

AUTHORS:

A Method for Obtaining Insoluble Polymeric Products

PERIODICAL:

Byulleten' izobreteniy, 1960, No. 21, p. 47

TEXT: Class 39b, 22₀₁. No. 133221 (628967/23 of May 21, 1959). This method is based on the use of styrene and divinylbenzene copolymers. It has the following special feature: in order to use the above products as selective absorbers of ions from electrolyte mixtures, styrene and divinylbenzene are subjected to a synthesis with esters of unsaturated acids and polyatomic alcohols, or with esters of polybasic acids and unsaturated alcohols, with an introduction of nitrilotricarboxylic acids or triaminotrialkylamines.

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Card 1/1

Losev

25(1)

s/019/60/000/02/139/221 D031/D005

AUTHORS:

Losev, I.P., Datskewich, L.A., Yermolayev, A.V., Inozemtseva, A.V. and Lobova, A.N.

TITLE:

A Method of Strengthening Polyesterurethans

PERIODICAL:

Byulleten' izobreteniy, 1960, Nr 2, p 34 (USSR)

ABSTRACT:

Class 39b, 2201. Nr 125677 (630678/23 of 10 June 1959). In order to increase the thermostability of the films of polyesterurethans, the latter is hardened by metal powders.

Card 1/1

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000930520

Chemi Ligh Meleuler Compounds	LOSEY, Iv	AN PLATONOVICH	DECEASED	1964
Ligh Melcular Compounds	Chemi		c. '63	
	Nigh 1.	nolecular Compounds		
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455P 21 Feb 63 USER GOTSIRIDZE, G. G., Dep Chmn, State Com for Coordination of Scientific Research Work, Council of Min USSR, delivered a report on "Technical Progress and Tasks Confronting Scientific-Technical and Production Journals at a seminar for editors of scientific and technical journals. LOSEY, I. P., Doctor of Technical Sciences, who spoke on chemistry; Other speakers: SIFOROV, V. I., Corresponding Mbr, Acad Sciences USSR, who spoke on radicelectronics. 22 Trud, 22 Feb 63 (3) 8.8

ACCESSION NR: AP4041917 S/0286/64/000/012/0070/0071

AUTHOR: Losev, I. P.; Tevlina, A. S.; Kotlyarova, S. V.

TITLE: Preparative method for gas-impervious, homogeneous ion-exchange membranes. Class 39, No. 163348

SOURCE: Byul. izobr. i tovar. znakov, no. 12; 1964, 70-71

TOPIC TAGS: polyethylene, poly(vinyl alcohol), vinylphosphoric acid, vinylbenzylphosphoric acid, ion exchange, ion exchange membrane, copolymerization

ABSTRACT: An Author's Certificate has been issued for a process for preparing gas-impervious homogeneous ion-exchange membranes by graft copolymerization of vinyl- or vinylbenzyl-phosphoric acid or their esters, or methylvinylpyridine with polyethylene or poly(vinyl alcahol film by swelling the film in monomers. The monomer solution is prepared in the presence of peroxides or hydroperoxides.

ASSOCIATION: none

Cord, 1/g

~-	23535_66 EMP(1)/EMT(m) RM/JW = 10353/65/005/005/087//0875	
,	ACC NR. AP6002213 SOURCE CODE: UR/OL53/05/000/00/	
	AUTHOR: Resotors, O. Ya.: Shill man, H. I.; Lusev, I. P. (Deceased) C. 3	
	CRG: Moscow Chemical-Technological Institute im. D. I. Mendelsyev, Department of Technology of Organic and Elemental Organic High Molecular Compunids (Moskovskiy khimiko-tekhnologicheskiy institut, Kafedra tekhnologic organicheskikh y elemento-organicheskikh vysokomolekulyarnykh soyedineniy),	
	TITLE: Cyanethylation of diamines. V. The nature of hydrogen bonds in cyanethylated diamines	
	SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, V. 8, no. 5, 1965, 874-875	
-	TOPIC TAGS: hydrogen bonding, spetroscopy	
	ABSTRACT: Using the base-line technique, the relation of the concentration of dichlorothane solutions of N,N'-di( $\beta$ -cyanethyl)-p-phenylenedismine (I), N,N'-di ( $\beta$ -cyanethyl)-4, 4'-diaminediphenylmethane (II), and N,N'-di( $\beta$ -cyanethyl)-4, 4'-diamine-diphenylmethane (III) to Buger-Beer's law was studied by 4'-diamine-3,3'-dimethyldiphenylmethane (III) to Buger-Beer's law was studied by	
	4'-diamino-3,3'-dimethyldiphenylmethans (111) to buget and 2415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; 3410,3444; and 3415,3452 cm ⁻¹ , respectively. At infrared spectroscopy at 3395,3435; and 3415,3452 cm ⁻¹ , respectively. At a spectroscopy at 3395,3435; and 3415,3452 cm ⁻¹ , respectively. At a spectroscopy at 3405,3452 cm ⁻¹ , respectively. At a spectroscopy at 3405,3452 cm ⁻¹ , respectively. At a spectroscopy at 3405,3452 cm ⁻¹ , respectively. At a spectroscopy at 3405,3452 cm ⁻¹ , respectively. At a spectroscopy at 3405,3452 cm ⁻¹ , respectively.	
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