

KARTASHOV, I.N.; MOGIL'NIY, N.I., dots., retsenzent; ANIKEYEV, V.N., dots., retsenzent; KOTLYAROV, Yu.L., red.

[Organizing the transition to new types of machines without stopping the output] Organizatsiia perekhoda na novye modeli mashin bez prekrashcheniia vypuska. L'vov, Izd-vo L'vovskogo univ., 1965. 239 p. (MIRA 18:10)

FEL'DMAN, A.I., GETSEL'D, S.S., KOTLYAROV, Z.M.

Doctor of Medicine Il'ia Naumovich Aleksandrov; on his 60th birthday.
Vest.oto.-rin. 20 no.4:117-118 J1-Ag '58 (MIRA 11:7)
(ALEKSANDROV, IL'IA NAUMOVICH, 1897-)

Kotlyarova, A. V.

KRSTOSHEVSKIY, L.S.; DANCHICH, V.V.; AVDIYENKO, T.G.; ARKHANGEL'SKIY, A.F.;
GAK, A.M.; YEFIFANTSEV, Yu.P.; ZELINSKIY, V.M.; IVANOV, P.S.; IVASHCHENKO,
P.R.; KALININA, M.D.; KRAVCHENKO, A.G.; KOTLYAROVA, A.V.; KRUGLYAKOVA,
M.D.; LEVIKOV, I.I.; LIBKIND, R.I.; NIKOLAYEVA, ~~N.A.~~; NAUMENKO, V.F.;
PRESHMAN, I.B.; PRISYAZHNIKOV, V.S.; POBEDINSKAYA, L.P.; POKALYUKOV,
S.N.; POPOV, A.A.; SOLOMENTSEV, M.N.; TARASOV, I.V.; FILONENKO, A.S.;
SHISHOV, Ye.L.; SHRAYMAN, L.I.; YAKUSHIN, N.P.; ZVORYKINA, L.N., red.
izd-va; LOMILINA, L.N., tekhn.red.

[Horizontal mining in foreign countries] Provedenie gorizonta'nykh
vyrabotok za rubezhom. Moskva, Ugletekhizdat, 1958. 342 p. (MIRA 12:4)

1. Kharkov. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
i mekhanizatsii shakhtnogo stroitel'stva.
(Mining engineering)

DUBININ, N.N., kand.tekhn.nauk; DOROSHENKO, G.N., kand.tekhn.nauk;
KOTLYAROVA, A.V., inzh.; KRUGLYAKOVA, M.D., inzh.; VOLOVICH,
CHEKHOVSKAYA, T.P., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Shaft sinking in the U.S.S.R. and in foreign countries] Opyt
prokhodki stvolov shakht v SSSR i za rubezhom. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 257 p.
(MIRA 13:11)

1. Kharkov. Ukrainskiy nauchno-issledovatel'skiy institut
organizatsii i mekhanizatsii shakhtnogo stroitel'stva.
(Shaft sinking)

KOTLYAROVA, A.V. inzh.

Investigating the possibilities of executing invariance conditions for certain multicircuit systems of automatic control. Izv. vys. ucheb. zav.; gor. zhur. no.8:127-131 '64 (MIRA 18:1)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Rekomendovana kafedroy avtomatizatsii i telemekhaniki.

IVANCHENKO, Ye.Ya., prof.; KOTLYAROVA, A.V., drzh.

Conditions for the invariance in continuous automatic control systems
for mine hoisting equipment. Izv.vys.shtab.zna.;gornozna. 7 no.9:154-
158 '62. (MIRA 12:1)

L. Kar'kovskiy Institut gornogo mashinostroyeniya, avtomatiki i
vychislitel'noy tekhniki. Rekomendovana kafedroy avtomatiki i teie-
mekhaniki.

BAKULOV, I.A.; KHIZHINSKIY, P.G.; SAKOVICH, O.Yu.; KOZLOVA, D.I.;
KOTLYAROV, V.M.; KOTLYAROVA, G.A.

Titration of the pathogen of literiosis on chick embryos and
white mice. Veterinariia 42 no.10:25-28 O '65.

(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy
virusologii i mikrobiologii.

MADIYEVSKAYA, R.G. [Madiievs'ka, R.H.]; KOTLYAROVA, G.O. [Kotliarova, H.O.]

Rapid method of determining vitamin A. Khar.prom. no.1:71-72
Ja-Mr '62. (MIRA 15:8)

1. Kiyevskiy vitaminnyy zavod.
(Vitamins --A)

KOTLYAROVA, G.P.; IVANOVA, Ye.F.

Determination of the heats of dissolution of KCl and RbCl in formic acid. Zhur. fiz. khim. 38 no.2:423-426 F '64.

(MIRA 17:8)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo.

KOTLYAROVA, I.A., uchitel'nitsa

Atheistic education in classes of human anatomy and physiology. Biol.v shkole no.6:50-52 N-D '59. (MIRA 13:3)

1. Srednyaya shkola No.27 g.Chernovtsy USSR.
(Physiology--Study and teaching)
(Atheism--Study and teaching)

KOTLYAROVA, K.M.

GORBUSHINA, P.M.; KOTLYAROVA, K.M.

Treatment of adamantinoma. Stomatologiya 35 no.5:33-34 S-O '56
(MLRA 10:4)

1. Iz kafedry khirurgicheskoy stomatologii (sav.-prof. A.I. Yevdokimov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir.-dotsent G.N. Beletskiy)
(JAWS--TUMORS)

KOTLYAROVA, G. S.

"Epidemiology of brucellosis in the USSR and the tasks of institutes of epidemiology and microbiology"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 1-4, 1974

KOTLYAROVA, Kh.S., red.. Prinimala uchastiye VERSHILOVA, P.A.

[Brucellosis] Brutsellez. Leningrad, Medgiz, 1947. 231 p.
(MIRA 13:4)

(BRUCELLOSIS)

KOTLYAROVA, Kh S.

22688. KOTLYAROVA, Kh. S. Patogenez brutselleznoy infektsii. Novosti meditsiny, vyp.13, 1949, S. 22-28

SO: LETOPIS' No. 20, 1949

KOTLYAROVA, Kh. S.; POLYAKOVA, A.M.; LUKASHOVA, L.V.

Principles of selection of vaccinal strains of Brucella. Vest. AMN
SSSR 14 no.2:42-49 '59. (MIRA 12:4)

1. Iz instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR
(dir. - prof. S.N. Muromtsev) Nauchno-issledovatel'skogo instituta
Kavkaza i Zakavkaz'ya (dir. V.N. Ter-Vartanov), Leningradskogo Instituta
epidemiologii, mikrobiologii i gigiyeny imeni Pastera (dir. M.Ya. Nikitin).
(BRUCELLIOSIS, immunol.
vacc. strains, principles of selection (Rus))

KOTLYAROVA, Kh.S.; RODSHTKYN, O.A.; GUR'YEVA, Ye.P.; SENA, N.D.; GALKO, N.V.

Epidemiological characteristics of poliomyelitis in Leningrad
during 1957. Trudy Len.inst.epid.i mikrobiol. 17:156-168 '58.
(MIRA 16:2)

1. Iz Leningradskogo instituta epidemiologii, mikrobiologii i
gigieny imeni Pastera (dir. M.Ya. Nikitin).
(LENINGRAD--POLIOMYELITIS--CASES, CLINICAL REPORTS, STATISTICS)

KOTLYAROVA, Kh.S.; RODSHEYN, O.A.; GUR'YEVA, Ye.P.

Epidemiology of poliomyelitis in various stages of the epidemic curve. Zhur. mikrobiol., epid. i immun. 33 no.7: 23-28 J1 '62. (MIRA 17:1)

1. Iz Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera.

KOTLYAROVA, Kh.S.; GUR'YEVA, Ye.P.

Circulation of the poliomyelitis pathogen and other cytopathogenic intestinal viruses; based on data from a survey of Leningrad children's collectives during the outbreak and decline of the poliomyelitis epidemic in 1956-1962. Trudy Len. inst. epid. i mikrobiol. 26:28-45 '64.

(MIRA 18:12)

USSR / Cultivated Plants. Potato. Vegetables. Melons. M-4

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72962.

Author : Kotlyarova, L.

Inst : Not given.

Title : Square-Pocket Method of Cultivating Potatoes.

Orig Pub: S. kh. Sibiri, 1957, No 4, 47-50.

Abstract: At the Siberian Scientific-Research Institute of Agriculture the square-pocket method of cultivating potatoes was studied in 1952-1954 with a distribution of 70 x 70 and 60 x 60 cm and planting with one and two tubers. Highest harvests of potato were obtained from one tuber planting the 60 x 60 cm square. A positive effect of organic-mineral mixtures was obtained on the early maturing "Severyanin" variety; this was not observed with the "Berlikhingen" variety. -- V. S. Sal'nikov.

Card 1/1

55

Cognition of an object in passive perception [with summary in English].
Vop. psikhol. 4 no.5:18-29 S-O '58. (MIRA 11:12)
(Perception)

KOTLYAROVA, L. I.

Study of a class group and the working out of its psychological and pedagogical characteristics. Nauk. zap. Nauk.-dosl. inst. psikhol. 11:273-276 '59. (MIRA 13:11)

1. Pedagogicheskiy institut, L'vov.
(Educational psychology)

KOTLYAROVA, L.I. (L'voy)

Educational work of teachers of psychology and pedagogy in colleges
and universities. Vop.psikhol. 6 no.3:158-161 My-Je 60.
(MIRA 14:5)

(Educational psychology)

KOTLYAROVA, L. L., Cand Agr Sci -- (diss) "^{the cultivation}Effectiveness of growing
potatoes by the checkrow method ^{is as a function of} ~~of relations to~~ the size of the ~~xxx~~
square and the quantity of planted tubers." Omsk, 1958. 15 pp
(Author's ^{abstract submitted} ~~contribution presented~~ ~~at~~ to Omsk Agr Inst im S. M.
Kirov), 130 copies (KL, 15-58, 117)

-65-

KOTLYAROVA, L. L., Cand Agr Sci -- "Cultivation of potatoes by the square-nest method, depending upon the size of the square, quantity, and weight of planted tubers." Mos, 1961. (Mos Order of Lenin Agri Acad im K. A. Timiryazev) (KL, 8-61, 254)

- 369 -

KOTLYAROVA, L.V.

Individual peculiarities of the interaction of the two signal systems in the process of the formation of motor skills. Nauk. zap.Nauk.-dosl.inst.psykhol. 10:194-232 '59.

(MIRA 13:5)

(Motor ability)

KOTLYAROVA, L. V.

Individual peculiarities in the interaction of the two signal systems in the process of forming motor habits. Nauk. zap. Nauk.-dosl. inst. psikhol. 11:190-193 '59. (MIRA 13:11)

1. Institut psikhologii, Kiyev.
(Movement, Psychology of)

USSR / Cultivated Plants. Medicinal. Essential Oil- M-7
Bearing. Toxins.

APPROVED FOR RELEASE: 08/23/2000 ^{Ref Zhur - Biologiya, No 2, 1959, No. 6486} CIA-RDP86-00513R000825410008-3

Author : Kotlyarova, M. V.
Inst : Sukhum Experimental Station of Essential Oil Crops
Title : Composition of Large Flowered Jasmine Oil Obtained by the Method of Dynamic Sorption
Orig Pub : Tr. Sukhumsk. zonal'n. opytn. st. efiro-maslichn. kul'tur, 1957, vyp 2, 115-130
Abstract : Large flowered jasmine (*Jasminum grandiflorum* L.), cultivated on the shores of the Mediterranean, was introduced in the USSR in 1928. Its agricultural engineering was developed at the Sukhumi Experimental Station of Essential Oil Crops. Industrial plantations

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Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6486

of large flowered jasmine were organized at the Khorshi Sovkhoz (Western Georgia). Oil from jasmine flowers is characterized by its wonderful aroma and by its fixing properties.

KOTLYAROVA, M.V.; KABCISHINA, Ye.S.; PERSIDSKAYA, K.G.

Producing extraction oil from azalea flowers. Trudy VNIISNDV
no.4:175-177 '58. (MIRA 12:5)
(Essences and essential oils)
(Azalea)

KOTLYAROVA, M. V., Candidate of Tech Sci (diss) -- "Obtaining oil from the blossoms of the common jasmine by the method of dynamic sorption". Krasnodar, 1959. 17 pp (Min Higher Educ USSR, Krasnodar Inst of the Food Industry), 150 copies (KL, No 20, 1959, 112)

KOTLYAROVA, O.S. (Moscow).

Conducting chemistry examinations in school. Khim. v shkole no.3:33-37
Je '53. (MLRA 6:7)
(Chemistry--Examinations, questions, etc.)

KOTPYAROVA, O. S.

4340. KOTPYAROVA, O. S. I AGAFOSHIN, N. P. --Elementy-metally pobochnykh podgrupp periodicheskoy sistemy. (Ucheb. posobiye). M. 1954. 48 s. s chert. 20 sm. (M-vo vyssh. Obrazovaniya SSSR. Mosk. ordena Lenina energet. in-t im. V. M. Molotova. kafedra khimii). 1.500 ekz. bespl.--(54-58018)p

546.3

SO: Knizhnaya Letopsis', Vol. 1, 1955

YEGORIKH, V.F.; KOTLYROVA, O.S.; SAVICH, T.Z.

Results of chemistry examinations. Khim.v shkole 11 no.5:77-79
S-0 '56. (MLBA 9:11)
(Chemistry--Examinations, questions, etc.)

KOTLYAROVA, O.^{S.} (g. Moskva)

Industrial experience for chemistry teachers. Khim. v shkole
13 no.6:77 N-D '58. (MIRA 11:12)
(Chemistry--Study and teaching)

KOTLYAROVA, O.S., metodist po khimii, kand.pedagogicheskikh nauk

Program is close to life and practice. Khim. v shkole 15 nō.2:
40-41 Mr-Apr '60. (MIRA 14:5)

1. Moskovskiy gorodskoy institut usovershenstvovaniya uchiteley.
(Chemistry—Study and teaching)

MATVEYEV, A.A.; KOTLYAROVA, C.S.; LAVRENT'YEVA, A.V.; AVDYUNIN, N.I.;
KRASITSKAYA, A.I.; DEMICHEVA, M.A.;

Quality of students' knowledge in chemistry. Khim. v shkole 17 no.2:
91-94 Mr-Ap '62. (MIRA 15:3)

(Chemistry--Study and teaching)

GRABETSKIY, A.A.; KOTLYAROVA, O.S.; SHAPOVALENKO, S.G.

Content of an elective course on chemistry. Khim. v shkole 18 no.6:56-
60 N-D '63. (MIRA 17:1)

GRABETSKIY, A.A.; KOTLYAROVA, O.S.

Special seminar on the methods of teaching chemistry.
Uch.zap.MOPI no.225:250-255 '64.

(MIRA 18:12)

KOTLYAROVA, R.I.

Studies on the role of individual fraction of immune antiplague sera in the prevention and treatment of plague. Zhur.mikrobiol. epid. i immun. 30 no.3:120-125 Mr '59. (MIRA 12:5)

1. Iz Nauchno-issledovatel'skogo instituta Kavkaza i Zakavkaz'-ya Ministerstva zdravookhraneniya SSSR.

(PLAGUE, immunol.

antisera, prev. & ther. role of individual fractions (Rus))

KOTLYAROVA, R.I.; LEDOVSKAYA, A.P.

Studying the bactericidal effect of acetic acid on the plague bacillus and *Vibrio comma*; author's abstract. Zhur. mikrobiol. epid. i immn. 31 no. 10:102 0 '60. (MIRA 13:12)

1. Iz nauchno-issledovatel'skogo protivochumnogo instituta kavkaza i Zakavkaz'ya Ministerstva zdravookhraneniya SSSR.
(VIBRIO COMMA) (ACETIC ACID) (PASTEURELLA PESTIS)

PLANKINA, Z.A.; NIKONOV, A.G.; SAYAMOV, R.M.; KOTLYAROVA, R.I.

Control of cholera in Afghanistan. Zhur.mikrobiol., epid.i
immun. 32 no.12:20-24 D '61. (MIRA 15:11)

1. Iz protivochumnykh uchrezhdeniy Ministerstva zdavookhraneniya
SSSR.

(AFGHANISTAN--CHOLERA, ASIATIC--PREVENTIVE INOCULATION)

KOTLYAROVA, R.I.; LEDOVSKAYA, A.P.

Increasing the virulence of *Vibrio cholerae* by means of passage in animals with lowered defense reactions. Zhur.mikrobiol.epid.i immun. 32 no.2:80-83 F '61. (MIRA 14:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya Ministerstva zdravookhraneniya SSSR. (VIBRIO COMMA)

PLANKINA, Z.A.; NIKONOV, A.G.; SAJAMOV, R.M.; KOTLYAROVA, R.I.

Cholera control in Afghanistan. Cesk. epidem. ll no.1:65-69 Ja
'62.

1. Laborator vysoce virulentnich infekci ministerstva zdravotnictvi
SSSR.

(CHOLERA prev. & control)

POKROVSKAYA, M.P.; KAGANOVA, L.S. [deceased]; VZOROV, V.I. [deceased];
KOCHER'YAN, O.N.; GRIBANOVA, K.V.; KOTLYAROVA, R.I.; GUTOROVA, N.M.

Anabiosis as a factor in preserving the useful properties of
microorganisms for a prolonged period. Trudy IEM no.7:70-95'60
(MIRA 16:8)

(CRYPTOBIOSIS) (MICROORGANISMS—DRYING)

ACCESSION NR: AT4042425

S/0000/63/000/000/0071/0074

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

TITLE: Homogeneous ion exchange membranes based on grafted polyethylene copolymers

SOURCE: Respublikanstoye nauchno-tekhnicheskoye soveshchaniye po ionnomu obmemu. Alma-Ata, 1962. Teoriya i praktika ionnogo obmena (Theory and practice of ion exchange); trudy* soveshchaniya. Alma-Ata, Izd-vo AN KazSSR, 1963, 71-74

TOPIC TAGS: ion exchange resin, ion exchange membrane, polyethylene, grafted copolymer, polyethylene copolymer, polystyrene copolymer, divinylbenzene copolymer, polymer film, vinylphosphinic acid copolymer

ABSTRACT: A product with up to 75% polystyrene was obtained by the method of styrene-to-polyethylene copolymerization in the presence of peroxide or hydroperoxide initiators, used in the synthesis of homogeneous polyethylene membranes. The three stages of the process — swelling of the polyethylene in the styrene monomer, polymerization of the styrene in the film, and sulfurization — were investigated with respect to temperature and duration, and the physico-mechanical characteristics of the films were examined. To

Card 1/2

ACCESSION NR: AT4042425

enhance the mechanical properties and thermal resistance, 3% divinylbenzene was added to the reactants. By sulfurizing, phosphorylating or chloromethylating with subsequent substitution of amino radicals in the grafted polyethylene film, cation and anion exchange membranes were prepared with good physical-chemical properties, low electrical resistance and high selectivity. In separate studies, the feasibility of grafting polymerization of the di- β , β' -chloroethyl ester of vinylphosphinic acid to a polyethylene film (10 hrs. at 55C followed by saponification) was established. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: Moskovskiy khimiko-tehnologicheskii institut im. D. I. Mendeleeva (Moscow Institute of Chemistry and Technology)

SUBMITTED: 13Nov63

ENCL: 00

SUB CODE: OC

NO REF SOV: 002

OTHER: 000

Card 2/2

L-19557-65 EWP(m)/EPF(c)/EWP(j)/T Pc-h/Pr-h/Pa-h RPL RM/MLK/RWB

ACCESSION NR: AT4048868

S/0000/64/000/000/0188/0183

AUTHOR: Tevlina, A. S., Kotlyarova, S. V., Loser, I. P. (Deceased)

TITLE: Homogeneous ion exchange membranes based on grafted copolymers of polyethylene B+1

SOURCE: Khimicheskiye svoystva i modifikatsiya polimerov (Chemical properties and the modification of polymers); sbornik statay. Moscow, Izd-vo Nauka, 1964, 188-193

TOPIC TAGS: polyethylene copolymer, grafted copolymer, sulfonation, phosphorylation, chloromethylation, amination, ion exchange resin, polymer conductivity

ABSTRACT: The graft copolymerization of styrene onto polyethylene film was accomplished in the presence of peroxides and hydroperoxides, the amount of grafted polystyrene attaining 75% of the film weight. The properties of the ion exchange membranes obtained by sulfonation, phosphorylation or chloromethylation with subsequent amination of the grafted polyethylene are shown in Table 1 of the Enclosure. A study was also made of the graft copolymerization of the *f-f'*-dichloroethyl ester of vinylphosphinic acid onto the polyethylene film. After saponification of the ester groups, the grafted film acquired electrical conductivity. Orig. art. has: 5 figures and 6 tables.

Card 1/1

L 19757-65

ACCESSION NR: AT4049858

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut (n. D. I. Mendeleeva
(Moscow Chemical-Technological Institute)

SUBMITTED: 23Nov62

ENCL: 01

SUB CODE: MT, OC

NO REF SOV: 003

OTHER: 000

Card 2/3

ACCESSION NR: AP4042193

S/0190/64/006/007/1327/1329

AUTHOR: Tevlina, A. S., Kotlyarova, S. V., Agapova, E. P.

TITLE: Phosphorylation of the grafted copolymer of polypropylene and polystyrene

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 7, 1964, 1327-1329

TOPIC TAGS: grafting, grafted copolymer, ion exchange membrane, phosphorylation, polystyrene, polypropylene, polypropylene polystyrene copolymer, polymer film, polymer electrical property, phosphorus trichloride

ABSTRACT: Preliminary studies showed that ion-exchange membranes can be obtained by grafting polystyrene on polypropylene and the subsequent phosphorylation of the polystyrene side-chains. The mechanism of grafted copolymerization was then studied in the presence of initiators such as benzoyl peroxide in order to establish the optimal reaction conditions for obtaining a more uniform distribution of grafted polystyrene chains in the film. Grafting was carried out at the site of tertiary carbon atoms. The best polymer for grafting was found to be polypropylene, with an initial film thickness of 90-95 μ , specific gravity = 0.90, $M_b = 3.1$, tensile strength = 350 kg/cm², elongation at break 390%, and melting point 164-168C.

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Card

ACCESSION NR: AP4042193

The reaction conditions are described. Tabulated data concerning the correlation between the degree of phosphorylation and the reaction time show that the best results were obtained by phosphorylation with PCl_3 and $AlCl_3$ for 12 hours at 65C. The electrochemical properties of the ion-exchange membranes formed were improved by oxidation of the phosphinous acid groups to phosphinic acid groups. Ion-exchange films subjected to oxidation had not only a higher acid number but also a lower electrical resistance. The best electrochemical properties were shown by membranes containing 5% phosphorus. Orig. art. has: 2 tables and 1 chemical equation.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendele'yeva (Moscow Institute of Chemical Technology)

SUBMITTED: 10Sep63

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 000

2/2

Card

L 16321-05 EWT(m)/EWP(J)/T Pc-4 ASD(m)-3/AS(sp)-2 R#
ACCESSION NR: AP4049159 S/0190/64/006/011/2073/2077

AUTHOR: Tavlina, A. S.; Kotlyarova, S. V.

TITLE: Synthesis of phosphorus-containing homogeneous cation-exchange membranes on the basis of a polyethylene-polystyrene graft copolymer

SOURCE: Vy'sokomolekulyarnyye soedineniya, v. 8, no. 11, 1964, 2073-2077

TOPIC TAGS: graft polymer, polyethylene, polystyrene, cation exchange resin, polymer phosphorylation, surface resistance, exchange resin selectivity, tensile strength ion exchange film

ABSTRACT: Turbidimetric, infrared and physicochemical studies on the products of the grafting of polystyrene onto polyethylene showed that the major product (80-90%) is the graft copolymer. The composition of the graft copolymer obtained by extraction is tabulated. The polymer was subjected to turbidimetric titration on the FEK-M colorimeter. The polymer was precipitated with butanol from benzene solutions at a concentration of 0.005 g%. For the graft films, the infrared absorption spectra showed bands in the region of 550 cm^{-1} characteristic for benzene rings. The intensity of the bands was proportional to the amount of grafted polystyrene. The relationship between the optical density and the amount of grafted polystyrene is plotted. The addition of 1-3% divinyl benzene (DVB) to styrene

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L 16321-65

ACCESSION NR: AP4049159

eliminates the formation of small blisters on the film surface; increases the tensile strength and reduces the reaction time. An increase in the DVB content to 5% and more decreases the effectiveness of grafting, while 1% DVB eliminates the roughness of the film, but affects the reaction time very slightly. Grafting conditions were: 200 μ thick polyethylene film, immersed in a solution of DVB in styrene, containing 2% benzoyl peroxide, at 65C for 4.5-5 hours. The optimum amount of grafted component is 30-35% by weight of the initial sample. A further increase in the degree of grafting causes the mechanical strength of the film to decrease. Cation exchange films were obtained by phosphorylation with phosphorus trichloride in the presence of the Friedel-Craft catalyst. The effect of the nature of the catalyst, reaction time and catalyst concentration on phosphorylation was investigated. Phosphorylation was complete in 6-10 hours. This reaction was also studied with other catalysts, which were soluble in phosphorus trichloride or in any other solvent. The experimental data are tabulated. The most active catalyst (in an amount of 2.5 moles per mole polystyrene) was $AlBr_3$ dissolved in a mixture of benzene and phosphorus trichloride at a volume ratio of 1:3. The membranes obtained by phosphorylation of the polyethylene-polystyrene graft copolymer have excellent electrochemical and physico-mechanical properties (such as a tensile strength of 150 kg/cm^2 , elongation at break 32%, exchange capacity of 2.5 meq/g, surface resistance in 0.1 N NaCl of 1.5 ohm/cm^2 , selectivity = 0.88) and can be used in different electrochemical processes. Orig. art. has 3 tables and 6 figures.

Card 2/3

L 16321-65
ACCESSION NR: AP4049159

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy inatitut im. D. I. Mandaleyeva
(Moscow Chemical Engineering Institute)

SUBMITTED: 27Jan64

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 003

OTHER: 000

Card 3/3

L 1011-66 : EWT(m)/EPF(c)/EWP(j)/T/ETC(m) RPL WJ/RM

ACCESSION NR: AF5024399

UR/0286/65/000/015/0080/0081

AUTHORS: ^{44.5}Tevlina, A. S.; ^{44.5}Kotlyarova, S. V.; ^{44.5}Levin, B. B.; ^{44.5}Fetin, I. N.

TITLE: Method for obtaining grafted copolymers. ^{44.5}Class 39, No. 173407 ³⁹
^B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 80-81

TOPIC TAGS: graft copolymer, copolymerization, fire resistant material

ABSTRACT: This Author Certificate presents a method for obtaining grafted copolymers by copolymerization of vinyl monomers with polymers or copolymers of α -olefin in bulk at high temperatures in the presence of peroxide or azo-initiators. To obtain fire resistant copolymers having ion exchange properties, the process of copolymerization is carried out in the presence of α -phenylvinylphosphinic acid. /

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskii institut im. D. I. Mendeleeva (Moscow Chemical Engineering Institute) ^{44.5}

SUBMITTED: 26Jun63

ENCL: 00

SUB CODE: MF, GC

NO REF SOV: 000

OTHER: 000

UDC: 678.71/74

Cerd 1/1 *leh*

GUSAROV, V.N.; VOSKRESENSKIY, B.V.; KYSS, M.A.; LMITRIYEVA, G.V.;
DMITRIYEVA, R.Ye.; KOTLYAROVA, T.V.; SVET, Ye.B., red.

[Chelyabinsk electrometallurgy workers are striving for
technical progress] Cheliabinskije elektrometallurgi v
bor'be za tekhnicheskii progress. Cheliabinsk, Cheliabin-
skoe knizhnoe izd-vo, 1963. 94 p. (MIRA 17:8)

GOVERDOVSKAYA, A.Ya.; BAYMURATOVA, G.G.; KOTLYARSKAYA, A.Z.

Course of pneumonia in children under one year of age. Zdrav.
Kazakh. 22 no.3:39-42 '62. (MIRA 15:12)

1. Iz kafedry detskikh bolezney fakul'teta usovershenstvovaniya
vrachey (zav. - dotsent A.Ya.Goverdovskaya) Kazakhskogo
meditsinskogo instituta.

(PNEUMONIA)

KOTLYARSKAYA V.I.

16

Reduction of molybdate and tungstate ions on platinum
 microelectrodes and their comparative determination. *Ch*
 O. A. Songina, V. Z. Kotlyarskaya, and A. P. Volkovskova. *Ch*
 Izv. Akad. Nauk SSSR, Ser. Khim., 1985, *Ch*
 No. 8, 77-82 (in Russian). Titration of MoO_4^{2-} and WO_4^{2-} with $AgNO_3$ with Pt microelectrode as Ag^+ indicator
 was not possible because Ag^+ catalyzed the reduction of
 MoO_4^{2-} and WO_4^{2-} , so that already at low applied po-
 tentials mixed Ag-Mo and Ag-W deposits formed on Pt.
 Au, and to smaller extent, Cu ions showed similar effects.
 MoO_4^{2-} and WO_4^{2-} shifted potential of Ag electrodes in
 neg. direction by 40 mV, and of Cu by 4-6 mV. Addns. of
 $FeCl_3$, $NiCl_2$, and $MnSO_4$ to solns. of MoO_4^{2-} and WO_4^{2-}
 produced no deposits on Pt and no effects described above,
 although mixed electrodeposition of Mo and W with Fe and
 Ni has been reported. Titration of MoO_4^{2-} and WO_4^{2-}
 with Hg^{2+} and Pt microelectrode proceeded normally.
 Andrew Oravicki

MCT

KOTLYARSKAYA, Ye.I.; ROGANOVA, K.G.

Serologic diagnosis of pregnancy. Akush. i gin. no.1:18-24 '65.
(MIRA 18:10)

1. Endokrinologicheskaya laboratoriya (zav. G.V. Truyevtseva)
Nauchno-issledovatel'skogo instituta akusherstva i ginekologii
(dir.- prof. O.V. Makeyeva) Ministerstva zdravookhraneniya
SSSR, Moskva.

GOLOVININ, V.; GNILOVSKOY, D.; KOTLYARSKIY, A.

Conveyers must have a full load! Prom.koop. 14 no.3:27-28 Mr
'60. (MIRA 13:7)

1. Rukovoditel' sektora remonta Nauchno-issledovatel'skogo
tekhnohimicheskogo instituta (for Golovkin). 2. Starshiye inzhenery
sektora remonta Nauchno-issledovatel'skogo tekhnokhimicheskogo
instituta (for Gnilovskoy, Kotlyarskiy).
(Shoe industry)

KOLYSHKIN, O.M.; KOTLYARSKIY, A.I.; MEL'NIKOV, S.S.; MOREV, A.I.

Two-spindle boring worm-conveyor unit for mechanical coal
extraction. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst.
nauch. i tekhn. inform. 17 no.2:7-9 '64. (MIRA 17:6)

KOTLYARSKIY, A.M., kand. tekhn.nauk; KOVALEV, P.F., kand.tekhn.nauk;
SUMIN, I.F., kand.tekhn.nauk; BASHKOV, A.I., kand.tekhn.nauk;
SVETLICHNYI, P.L., inzh.

Using pneumatic power in coal mines. Ugol' 39 no. 1:29-31
Ja '64. (MIRA 17:3)

1. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti (for Kotlyarskiy, Kovalev, Sumin).
2. Dongiprouglemash (for Bashkov, Svetlichnyy).

KOTLYARSKIY, A.M., kand.tekhn.nauk; KOVALEV, P.F., kand.tekhn.nauk; SUMIN,
I.F., kand.tekhn.nauk; BASHKOV, A.I., kand.tekhn.nauk; SVETLICH-
NYY, P.L., inzh.

Using pneumatic power in coal mines. Ugol' 39 no.1:29-31 Ja '64.
(MIRA 17:3)

1. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti (for Kotlyarskiy, Kovalev, Sumin).
2. Dongiprouglemash (for Bashkov, Svetlichnyy).

KOTLYARSKIY, A.M.

~~Safety in mine work. Bezop.truda v prom. 3 no.8:5-7 Ag '59.~~
(MIRA 12:11)

1. Zamestitel' direktora Makeyevskogo nauchno-issledovatel'skogo
instituta.

(Mining engineering--Safety measures)

KOTLYARSKIY, A.M., otv.red.; SMIRENSKIY, M.M., red.izd-va; SABITOV, A.,
tekh.red.; LOMILINA, L.N., tekh.red.

[Research work of the Makeyevka Scientific Research Institute
for Mine Safety, 1959-1960] Nauchno-issledovatel'skie raboty
MakNII za 1959-1960 gg. Moskva, Gosgortekhzdat, 1961. 223 p.
(MIRA 15:5)

1. Makeyevka. Nauchno-issledovatel'skiy institut po bezopasnosti
rabot v gornoy promyshlennosti.
(Mining engineering—Safety measures)

KOTLYARSKIY, A.I., kand.tekhn.nauk

Further improvement of safety engineering in mines of the Donets Basin. Bezop.truda v prom. 5 no.10:3-4 0 '61.

(MIRA 14:10)

1. Zamestitel' direktora Makeyevskogo nauchno-issledovatel'skogo instituta po bezopasnosti rabot v gornoy promyshlennosti po nauchnoy chasti.

(Donets Basin--Coal mines and mining--Safety measures)

KOTLYARSKIY, A.M.; KOVALEV, P.F.

Thirty-five years of work at the Makeyevka Scientific Research
Institute for Mine Safety on the safe use of electric power
in coal mines. Trudy MakNII 12: Vop. gor. elektromekh. no.4:
3-11 '61. (MIRA 16:6)

(Electricity in mining—Safety measures)

KOTLYARSKIY, B.I., inzhener.

Improve the utilization of read machinery stations in the Ukraine.
Avt.der.19 no.8:9 Ag '56. (MLRA 9:10)
(Ukraine--Read machinery)

KOTLYARSKIY, Boris Isaakovich; PIYARSKIY, Tikhon Ivanovich; KALECHITS, Ye.V.,
redaktor; MAL'KOVA, M.V., tekhnicheskiy redaktor

[Organization of work of road machinery units] Organizatsia rabot
mashinodorozhnogo otriada. Moskva, Nauchno-tekhn. izd-vo avtotransp.
lit-ry, 1957. 111 p. (MLRA 10:9)
(Road construction)

KOTLYARSKIY, D. I.

"Why Readings of the Radio Altimeter RV-2 are Distorted in Certain Cases," by D. Kotlyarskiy, Senior Engineer, Complex Transport Expedition of the Academy of Sciences USSR, Grazhdanskaya Aviatsiya, No 4, Apr 56, pp 34-35 ✓

Explanation of the phenomenon of the discrepancy between radio altimeter readings and actual altitudes, is given in answer to an inquiry by Pilot P. Revelyuk of Krasnoyarsk, who, while engaged in low altitude (40 m) aerogeophysical surveys of the region, observed sharp drops in altimeter readings (from 40m to 28-30m) at the instant of change of terrain from dense woods to a lake surface, and reverse readings when backtracking on the same course.

SUM. 1287

KSANTOPULO, Ya.F.; ~~KOTLYARSKIY, D.I.~~; IGNATOV, V.A.; ALKINA, E.Kh.; inzh.;
SMIRNOV, Yu.A.; inzh.; KUNITSYNA, T.I., inzh.; IGNATOVA, N.T., inzh.;
KIRSANOV, A.I., elektromekhanik; MOLODTSOV, N.A., inzh.; ROD'KO, G.V.

Discussion of two articles "Stamping apparatus for signaling, central control and block systems." and "Periods for testing relays used in signaling, central control and block systems." Avtom., telem. i svyaz' no.12:35-36 D '57. (MIRA 10:12)

1. Nachal'nik Adzhikabul'skoy distantzii signalizatsii i svyazi Azerbaydzhanskoy dorogi (for Ksantopulo). 2. Starshiy elektromekhanik Moskovskoy distantzii signalizatsii i svyazi Oktyabr'skoy dorogi (for Kotlyarskiy). 3. Ayaguzskayadistantziya signalizatsii i svyazi Turkestano-Sibirskoy dorogi (for Alkina, Smirnov, Kunitsyna, Ignatova). 4. Zaveduyushchiy postom dispetcherskoy tsentralizatsii Ayaguzskoy distantzii signalizatsii i svyazi Turkestano-Sibirskoy dorogi (for Ignatov). 5. Krasnolimanskaya distantziya signalizatsii i svyazi Donetskoy dorogi (for Kirsanov). 6. Moskovskaya distantziya signalizatsii i svyazi Gor'kovskoy dorogi (for Molodtsov). 7. Zamestitel' nachal'nika sluzhby signalizatsii i svyazi Orenburgskoy dorogi (for Rod'ko).

(Railroads--Signaling)

KOTLYARSKIY, D.I.

Control and testing center. Avtom., telem.i sviaz 2 no.4:40
Ap '58. (MIRA 12:12)

1. Starshiy elektromekhanik Moskovskoy distantzii signalizatsii
i svyazi Oktyabr'skoy dorogi.
(Railroads--Safety measures)
(Railroads--Electric equipment)

KOTLYARSKIY, D.I. , starshiy elektromekhanik

Making PKN-6 fuse links. Avtom., telem. i sviaz' 2 no.10:37-38
0 '58. (MIRA 11:10)

1.Moskovskaya distantnya signalizatsii i svyazi Oktyabr'skoy dorogi.
(Electric fuses)

KOTLYARSKIY, D.I., starshiy elektromekhanik

Improve the decoder construction. Avtom.telem. i sviaz' 3
no.1:31 Ja. '59. (MIRA 12:1)

1. Moskovskaya distantziya signalizatsii i svyazi Oktyabr'skoy
dorogi.
(Railroads--Signaling--Equipment and supplies)

KOTLYARSKIY, D.I.

Device for the adjustment of relay contacts. Avtom., telem.
i sviaz' 3 no.7:24-25 J1 '59. (MIRA 12:12)

1. Starshiy elektromekhanik kontrol'no-ispytatel'nogo punkta
Oktyabr'skoy dorogi.
(Electric relays)

KOTLYARSKIY, D. M.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BERKZIN, V.D.; BIRYUKOV, I.K.;
 BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV,
 N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, R.A.; VOSHCHININ, A.P.;
 GALAKTIONOV, V.D., kand. tekhn. nauk; GERKIN, Ye.M.; GIL'DENBLAT,
 Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.;
 GORBACHEV, V.N.; GRZHB, B.V.; GHEKULOV, L.F., kand. s.-kh. nauk;
 GRODZHENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO,
 Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK,
 A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.;
 KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KOMAREVSKIY, V.T.;
 KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.;
 KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.;
 LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKEVICH, K.F.; MEL'NICHENKO,
 K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk;
 MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.;
 OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN,
 G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; REMZOV, N.P.;
 ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.;
 RYBCHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.;
 SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY,
 Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRISOVA,
 Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.;
 TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN,
 N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA,
 I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,
 (Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUCIIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I., kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.T., retsenzent, red.; LUSKIN, Z.D., retsenzent, red.; MATIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MENKEL', M.M., doktor tekhn. nauk, retsenzent, red.; OBEZZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.P., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHRYVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; YLISO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYHOFER,

(Continued on next card)

ANDON'YEV, V.I.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KOBABLINOV, P.N.,
tekhn. red.; GENKIN, Ye.M., tekhn. red.; KACHKROVSKIY, N.V., tekhn.
red.

[Volga-Don; technical account of the construction of the V.I. Lenin
Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center,
and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'-
stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSim-
lianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v plati
tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural
descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk.
Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of con-
struction. Specialized operations in hydraulic engineering] Orga-
nizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 4.

Glav. red. S. IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.

(MIRA 11:9)

1. Russia (1923- . U.S.S.R.) Ministerstvo elektrostantsii. Byuro
tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-kor-
respondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy
chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin,
Razin).

(Volga Don Canal--Hydraulic engineering)

SOLOV'YEV, I.; TSEKHANOVSKIY, A. (Timiryazovo, Tomskoy obl.);
LAVROV, D.; SIROTYUKOV, V.; KOSTYUKOV, V.; KOTLYARSKIY, F.
(Chelyabinsk); PARUNAKYAN, V. (Chelyabinsk); SHILER, G.;
RYABSKIY, N.; PUSHKIN, D., instruktor; SHASTIN, V. (Al'met'yevsk)

Reader's letters. NTO 3 no.9:58-59 S '61. (MIRA 14:8)

1. Uchenyy sekretar' dorozhnogo pravleniya Tashkentskoy zheleznoy dorogi (for Solov'yev).
2. Uchenyy sekretar' podseksii tekhniki bezopasnosti Moskovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva stroitel'noy industrii (for Lavrov).
3. Chleny Nauchno-tekhnicheskogo obshchestva Novocherkasskogo elektrovozostroitel'nogo zavoda (for Sirotyukov, Kostyukov).
4. Predsedatel' soveta Nauchno-tekhnicheskogo obshchestva upravleniya legkoy i pishchevoy promyshlennosti sovnarkhoza, g. Karaganda (for Shiler).
5. Chlen prezidiuma Moskovskogo gorodskogo pravleniya Nauchno-tekhnicheskogo obshchestva neftyanoy i gazovoy promyshlennosti (for Ryabskiy).
6. Tsentral'noye pravleniye Nauchno-tekhnicheskogo obshchestva mukomol'noy i krupyanyoy promyshlennosti i elevatornogo khozyaystva, g. Gomel' (for Pushkin).

(Research, Industrial)

MARTYNYENKO, I.A., inzh.; MILYAYEV, I.S., inzh.; TUGAYEV, T.S., inzh.;
KOTLYARSKIY, I.A., inzh.; MOREV, A.B., inzh.; MUDRYAK, V.A.,
inzh.; SUDOPLATOV, A.P., prof.; IVANOV, K.I., kand. tekhn. nauk;
IGNAT'YEV, A.D., kand. tekhn. nauk; KOLYSHKIN, O.M., kand. tekhn.
nauk; YEREMENKO, Ye.I., inzh.

Industrial testing of the auger drilling of coal with double
spindle auger drilling machines. Ugol' 40 no.1:32-37 Ja '65.
(MIRA 18:4)

1. Kombinat Ukrzapadugol' (for Martynenko, Milyayev, Tugayev).
2. Gorlovskiy mashinostroitel'nyy zavod im. S.M.Kirova (for
Kotlyarskiy, Morev, Mudryak).
3. Institut gornogo dela im.
A.A.Skochinskogo (for Sudoplatov, Ivanov, Ignat'yev, Kolyshkin,
Mel'nikov, Yeremenko).

VASILENKO, Stepan Ivanovich; MEZHAEV, Vasilii Afanas'yevich; KOTLYARSKIY,
Igor' Abramovich; ASTAKHOV, A.V., otv.red.; SHKLYAR, S.Ya.,
tekhn.red.

["Kirovets" cutter-loader for coal mining] Ugol'nyi kombain
"Kirovets." Moskva, Ugletekhizdat, 1958. 52 p. (MIRA 12:7)
(Coal mining machinery)

KOTLYARSKIY, I.A.; TERTEROV, A.A.

Flash floods in the Kishchay and Shinchay Rivers. Meteor.1
gidrol. no.8:39-40 Ag '56. (MLBA 9:11)
(Kishchay River--Floods) (Shinchay River--Floods)

ZAMANOV, Kh.D.; KOTLYARSKIY, I.A.

Lake Geygel' in the Shamkhor Basin. Dokl.AN Azerb.SSR 15
no.2:149-154 '59. (MIRA 12:5)

1. Institut geografii AN AzerSSR.
(Geygel', Lake--Hydrology)

KOTLYARSKIY, L.B.; ZELENAYA, A.V.; KISHINEVSKAYA, Z.M.; ZELENYY, A.G.

Application of ultrasonic waves in the manufacture of paint materials. Lakokras. mat. i ikh prim. no.5:51-57 '63.
(MIRA 16:11)

1. Proyektno-konstruktorskiy institut soveta narodnogo khozyaystva Moldavskoy SSR i lakokrasochnyy zavod "Krasnaya zvezda".

KOTLYARSKIY, L.B.; SHKOL'NIK, I.E.

Piezomodulus measurement by the falling ball method. Akust.
zhur. 9 no.2:238-239 '63. (MIRA 16:4)

1. Proyektno-konstruktorskiy tekhnologicheskii institut,
Kishinev.

(Piezoelectricity—Measurement)

KOTLYARSKIY, L.B.; FRIDMAN, V.M.

Emulsification by an acoustic hydrodynamic radiator. Koll.zhur.
26 no.6:686-691 N-D '64 (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorskiy in-
stitut khimicheskogo mashinostroyeniya, Moskva.

KOTLYARSKIY, L.B.; NOVITSKIY, B.G.; FRIDMAN, V.M.

Cavitation phenomena due to the action of an acoustic hydrodynamic emitter. Akust. zhur. 9 no.434-440 '63. (MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya, Moskva.

KOTLYARSKIY, L. B. (Kishinev); FRIDMAN, V. M. (Kishinev)

Erosion effect caused by stalling cavitation and acoustic oscillations in the liquid. Izv. AN SSSR. Mekh. i mashinostr. no.3:162-165 My-Je '64. (MIRA 17:7)

KOTLYARSKIY, L.B., inzh.

Using ultrasonic techniques in dyeing knit goods. Leg.prom.
18 no.11:31-33 N '58. (MIRA 11:12)
(Dyes and dyeing--Knit goods)
(Ultrasonic waves--Industrial applications)

DEMIN, M.N.; KOTLYARSKIY, L.B., inzh.

Application of sonic and ultrasonic vibrations in knit goods and textile industries. Tekst.prom. 22 no.4:55-58 Ap '62 (MIRA 15:6)

1. Direktor Proyektno-konstruktorskogo tekhnologicheskogo instituta (PKTI) Moldavskogo sovmarkgoza (for Demin). 2. Proyektno-konstruktorskiy tekhnologicheskiy institut Moldayskogo sovmarkhoza (for Kotlyarskiy).

(Dyes and dyeing--Apparatus)

(Ultrasonic waves--Industrial applications)

KOTLYARSKIY, M. (First Lt.)

Subject : USSR/Aeronautics AID - F- 42
Card : 1/1
Authors : Yerokhin, A., Lt. Col., and Kotlyarskiy, M., First Lt.
Title : Execution of the Calculation of Instrument Landing by
the "Large Box" Method (Four turn method)
Periodical : Vest. vozd. flota 3, 28 - 36, March 1954
Abstract : The author defines the "Large Box" as a figure flown
in order to reach exactly the calculated point of the
beginning of the fourth turn before an instrument
landing. An example of an incorrectly executed "Large
Box" is given, and then the method of the correct
execution is explained in detail. Six diagrams, two
tables.
Institution : None
Submitted : No date

Translation - D 162185, 5 Jan 55

KOTLYARSKIY, May

Talking as a man with men. Kryl.rod. 14 no.7:15-17 J1 '63.
(MIHA 16:9)
(Lenin, Vladimir Il'ich, 1870-1924)

KOTLYARSKIY, May

A live conversation with others. Kryl.rod. 14 no.9:5-7 S '63.
(MIRA 16:9)
(Lenin, Vladimir Il'ich, 1870-1924)

KOTLYARSKIY, May Yakovlevich; IVANOV, Yu., red.; GOLUBKOVA, G., tekhn.red.

[Gora Vysokaya] Gora Vysokaya. Moskva, Izd-vo TsK VLSM "Molodaia
gvardiia," 1959. 103 p. (MIRA 12:11)

(Nizhniy-Tagil--Description)

KOTLYER, I.Ya.; UGOL'KOV, A.O.; KRASNOSHYK, M.G.

Operation of the Zhirnovsk Compressor Station. Gaz. prom.
4 no.3:47-48 Mr '59. (MIRA 12:5)
(Zhirnovsk--Gas, Natural--Pipelines)
(Compressors)

KOTLYPIN, E.A.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1747
 AUTHOR KOTLYPIN, E.A., MOROZOV, V.M.
 TITLE The Estimation of the Upper Limit of the Cross Section of the Radiation Capture of Neutrons with the Resonance Energy (275 keV) by the Isotope Li^7 .
 PERIODICAL Dokl. Akad. Nauk, 111, fasc. 2, 331-333 (1956)
 Issued: 1 / 1957

The authors used the continuous registration of β -decay acts of Li^8 when irradiating lithium with neutrons. On this occasion the momenta caused by the α -particles of Be^8 decay are separated from momenta caused by the products of the reaction of $Li^6(n,t)He^4$. The α -decay of the Be^8 even occurs in the ground state within $\sim 10^{-16}$ sec, so that, from the experimental point of view, this process may be considered as simultaneous with the β -decay of Li^8 . The measuring device consisted of two gas counters. The inner counter (of usual construction) operates as a proportionality counter, its walls are covered with a thin layer of lithium fluoride with a content of natural isotopes. The exterior counter registers the electrons of the β -decay of Li^8 and operates as a GEIGER counter; its construction is illustrated by a drawing. On these conditions the efficiency of the registration of the β -decay of Li^8 (with respect to the registration of $Li^6(n,t)He^4$) depends only on the absolute efficiency of the counting of the electrons of the β -decay of Li^8 by the exterior counter. The efficiency of the exterior counter attains $50 \pm 10\%$. Thus, the number of β -decay acts of

INSTITUTION:

K

ORIG. JOUR. : Ref Zhur-Biologiya, No. 1, 1959, No. 1483

AUTHOR : Khristova, L.A.; Ponomarenko, V.A.;
 INST. : Khar'kov Univ. Kotel'yabi, V. I.

ABSTRACT : Effect of humic fertilizers on the growth of pine, the chief afforestation material of the lower Dnieper sands.

ORIG. TUE. : 7 sbt: Suv'nyozhny udobreniya. Khar'kov Khar'kovsk. un-t, 1957, 313-320

ABSTRACT : By experiments at the Golopristsenskiy Leskhoz (1953), it was established that humic fertilizers raise the vitality and draught-resistance of pine in the lower Dnieper sands. It is recommended that in nurseries humic acid and watering with a 0.001% solution of sodium humate be applied in combination with supplementary mineral fertilizers. It is expedient to activate planting material of a different district by wetting the root system

PIVOVAROV, L.R.; KOTLYUBA, V.G.; VUL'F, L.N.

Effect of warming peat in a pile on its fertilizing properties.
Torf. prom. 38 no.8:26-29 '61. (MIRA 14:12)

1. Dnepropetrovskiy sel'skokhozyaystvennyy institut.
(Peat industry)

KOTMAN, E. M., KLEIN, E. G., EL'KIN, M. L.

Lambliasis of the Appendix.

VOYENNO-METSINSKIY ZHURNAL(MILITARY MEDICAL JOURNAL), No 12, 1964. p.6.

BORCHERT, Fritz, inz.(Berlin); KOYNAUER, Lubos, in' .[Compiler]

Mechanized washing of steam locomotive underframes. Zel dop
tech 12 no.12:331-332 '64.

KOTNIK, J.

Mastography and its diagnostic application. Zdrav.vest., Ljubljana
24 no.3:77-84 1955.

1. Iz rentgenskega oddelka Univ. Kirurgicne Klinike v Skopju -
Predstojnik Prof. Dr. Dim Jusbasic.
(BREAST, radiography,
diag. value)

KOTNIK, Milivoj, dipl. el. inž.

Research Laboratory of the Elektrovina Works. Automatika
5 no.1:23-26 '64.

1. Elektrovina Works, Maribor.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000825410008-3

Application: Ceramics. Glass. Binding Materials.
Concrete.

Abs Jour: Ref Zhur-Khim., No 10, 1959, 35664.

Author : Bokszezanin, S., Ferlan, M., Kovnik, S., Lindner, M.,
Ozim, V., Sonnenwald, S.

Inst : Slovene Chemical Society

Title : Yugoslav Corundum Production.

Orig Pub: Vestnik Slov Kem Društva, 4, No 1-2, 55-63 (1957) (in
Slovene with an English summary)

Abstract: Geological and chemical prospecting has led to
the discovery of a deposit of bauxites suitable for
the production of corundum. A plant constructed at
the site is now furnishing all of Yugoslavia's abra-
sives demand. -- From a summary by the authors.

Card : 1/1

H-39

KOTNITSKIY, G. P.

PA 10/49T98

USSR/Petroleum Industry
Transformers

Jul 48

"Mobile Substation for Servicing Drilling Crews,"
G. P. Kotnitskiy, EnergomontazhNeft, 2 $\frac{1}{4}$ pp

"Energet Byul" No 7

Sketches and describes mobile transformer assembly,
weight 3,730 kg, cost 31,900 rubles.

10/49T98

KOTNITSKIY, G. P.

PA 15219

USSR/Engineering - Power Supplies Sep 49
Equipment

"Electric-Power Supply to Petroleum Enterprises
With Large Block-Unit Construction of Derricks,"
G. P. Kotnitskiy, 4 pp

"Amerget Byul" No 9

Examines problems of supplying electricity to
oil enterprises with view to further improvement.
Concludes that large block construction is best
method for electrical equipment and for derricks.
Recommends use of Yazhku-16 high-voltage units.
Portable substations and distribution installations

15219

USSR/Engineering - Power Supplies Sep 49
(Contd)

should be standardized and produced by large
electromechanical plants. Includes sketch.

15219

KOTNITSKIY, G. P.

PA 153157

USSR/Engineering - Switchgear Dec 49
Electric Power

"Efficient Dismountable Type Metallic Cubicles
for Six-Kilovolt Distribution Installations and
Substations of Petroleum Enterprises," G. P.
Kotnitskiy, 4 pp

"Energet Byul" No 12

At present there is no single type of metallic
cubicle for substations which will satisfy all
requirements. Some types previously described
[see RFD Per Abs 1/4973]. Describes other
types successfully used in Grozny. Concludes

153157

USSR/Engineering - Switchgear Dec 49
(Contd)

that universal type should be designed and
produced at special plants. Includes five
sketches.

153157

KMITA, Stanislaw; JAGMIN-KOPCZYNSKA, Ewelina; KOTNOWSKA-RAPACKA, Wieslawa;
KOSZANSKA, Janina

Surgery in a case of teratoma of the larynx in a 41-day-old infant.
Otolar.polska 13 no.3/4:624-629 '59.

1. Z I Kliniki Chorob Dzieci A.M. w Lodzi. Kierownik: doc.dr med.
K. Sroczynski. Konsultant Laryngolog: doc.dr med. S. Kmita.
(TERATOID TUMORS in inf.& child)
(LARYNX neopl.)

KOTNOWSKA-RAPACKA, W.; SRO CZYNSKI, K.; WOJACZYNSKA-SZADOWSKA, A.

Histopathological changes in vascular walls and perivascular tissues
in rabbits during starvation. *Pediat. pol.* 36 no.8:809-819 '61.

1. Z I Zliniki Chorob Dzieci AM w Lodzi Kierownik Katedra: prof. dr
med F. Redlich Kierownik Kliniki: doc. dr med. K.Sroczynski i z
Zakladu Anatomii Patologicznej AM w Lodzi Kierownik: prof. dr
med. A. Pruszezynski.

(BLOOD VESSELS pathol)

(STARVATION exper)