"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

S/569/61/005/000/002/002
D201/D302

AUTHORS: Bershadskiy, V.L., Kalashnikov, V.K., Kryazhevskiy, V.V., Maziya, L.V. and Popov, G.A. (USSR)

TITLE: Automatic electric propeller drive of the atomic ice-breaker "Lenin"

SOURCE: International Federation of Automatic Control. 1st Congress, Moscow, 1960. Avtomatizatsiya proizvodstvennykh protsessov; mashinostroyeniye, elektroenergetika, elektroprivod, transport. Moscow, Izd-vo AN SSSR, 1961. (Its: Trudy (v.5)), 301-315

TEXT: The authors describe the electric propulsion system of the ice-breaker "Lenin", give the static characteristic of the propeller drive and the graphs of transients as obtained from the system evaluation on an analogue computer and obtained from the performance of the actual installed system. The "Lenin" has steam turbines as the primary motors. These operate a d.c. generator and final d.c. motor drives. The

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S/569/61/005/000/002/002
D201/D302

Automatic electric ...

following are the characteristics of the ship: displacement - 16,000 tons; maximum length - 134 m; maximum width - 27.6 m; turbine power - 44,000 H.P.; maximum speed - 18 knots; number of propellers - 3; revolutions at maximum ship speed - 195 r.p.m. for the center and 215 r.p.m. for the side propellers; period of autonomy - 1 year. The electric drive system feeds the three propeller d.c. motors from four turbo-generator aggregates, operating at constant speed. The total turbo-generator power is divided between the propeller shafts in the ratio 1 : 2 : 1, so that the center propeller, least exposed to damage, absorbs half the total system power. The drive uses 1200 v.d.c. The propeller motors are of a twin-armature type, 9800 H.P. per armature of the center propeller and 4900 H.P. per armature of the side shafts motors. The excitation generators, also of a twin-armature type have a power of 1920 kw per armature, at the armature voltage of 600 v and 595 r.p.m. Each turbo-generator feeds simultaneously three propeller shaft motors. The center propeller can be driven even when only one turbine is in operation. The armatures of each propeller shaft motor form, together with their

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generators; two independent circuits. The nominal parameters of main machines are chosen for the heaviest of the ship drive situations, i.e. when the ship is stationary with respect to water. The control system was chosen from the point of view of limiting the reverse power generated in braking. This has been achieved by a voltage feedback in the control generator winding. In analyzing the system on an analogue computer it was found that without the feedback stabilizing networks the system becomes unstable at an oscillating frequency of about 1c/s. The feedbacks required were found to be variable voltage feedbacks in the amplidyne of the generator exciter and motors together with a variable main current feedback. The time of transient with ship not moving is 10 sec., when reversing - 27 sec. and when reversing in free water - 35 sec. The switching in the main, excitation and control circuits is by means of selective generator switches. Each propeller has 4 selective switches, each having 3 main contacts at 6400 amp., for the center and at 3200 amp for the side propellers. Remote control of the propulsion system is used. In discussion, questions were put by G.A. Popov; I.P. Freydzon (USSR) rounded up the discussion. There are 7 figures, 1 table and 3 Soviet-bloc references.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

SOV/84-58-3-34/52

AUTHOR: Cherneshey, N., and Kryazhkov, P.

TITLE: Substantial and Interesting (Soderzhatel'no, interesno)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 3, p 30 (USSR)

ABSTRACT: The authors give a review of recreational activities of Stalinabad airport personnel.

1. Airports--USSR 2. Sports--USSR

Card 1/1

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYAZHKOV, V.M.

137-58-5-9994 D

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 158 (USSR)

AUTHOR: Kryazhkov, V.M.

TITLE: Spray Metallization in the Reclamation of Internal Cylindrical Surfaces of Auto and Tractor Parts (Primeneniye metallizatsii napyleniyem dlya vosstanovleniya vnutrennikh tsilindricheskikh poverkhnostey avtotraktornykh detaley)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Leningr. s.-kh. in-t (Leningrad Institute of Agriculture), Leningrad, 1957

ASSOCIATION: Leningr. s.-kh. in-t (Leningrad Institute of Agriculture), Leningrad

1. Automobile industry--USSR 2. Flame spraying--Applications

Card 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

MICHNIOWSKA-LEONOWICZ, Janina; KRYCH, Josef

Stilling-Turk-Duane's syndrome. Klin.oczna 30 no.1:59.73 '60.

1. Z Oddziału Chorob Oczu 1 W.S.O. Kierownik: dr med. W.J. Orlowski.

(OCULOMOTOR PARALYSIS)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCH, Jozef

Coloboma syndrome of the anterior part of the eye. Klin.oczna 30 no.3:295-304 '60.

1. Z Oddzialu Chorob Oczu I W.S.O. Ordynator: dr med. W.J.Orlowski.
(EYE abnorm)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCH, Jozef

Ocular manifestations in Steinert's disease. Klin.oczna 31 no.1: 17-26 '61.

1. Z Oddzialu Chorob Oczu 1 W.S.O. Kierownik: dr med. W. J. Orlowski.

(MYOTONIA ATROPHICA diag) (EYE dis)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

WOJTOWICZ, Stanislaw; KRYCH, Jozef

Marginal degeneration of the cornea in the form of a fissure. Klin. oczna 33 no.2:183-190 '63.

1. Z Oddzialu Ocznego w Warszawie Ordynator: doc. dr med. W.J. Orlowski.

(CORNEAL DYSTROPHIES)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCH, K.

Is an enterprise fund needed in state forestry units? p. 5.

LAS POLASKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Lesnictwa i Drzewnictwa) Warszawa, Poland. Vol. 32, no. 8, Apr. 1958.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960. Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

LARICHEV, V.Ye.; KRYCHANOV, Ye.I.

"The remote past of the Maritime Territory" by A.P.Okladnikov.
Izv.Sib.otd.AN SSSR no.1:105-107 '62. (MIRA 15:3)
(Maritime Territory—History)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHEVSKAYA

USSR/Human and Animal Physiology - Internal Secretions. R-8

Abs Jour : Referat Zhur - Biol., No 16, 1957, 70992

Author : Gereshenovich, Z.S., Krychevskaya, Aleksenko, L.P.
Title : Adrenergetic Substances of Brain and Adrenals in Increased Oxygen Pressure.

Orig Pub : Ukr. biokhim. zh., 1955, 27, No 1, 3-11

Abstract : The influence of increased oxygen pressure on the adrenergetic substances of the brain and adrenals were studied on rabbits in a pressure chamber with $3\frac{1}{2}$ and 6 atm. pressure of pure O_2. The process of adrenalin (I) decomposition in the brain was increased in the preconvulsive period, became stronger in the convulsive period, and increased particularly sharply in the terminal stage. In the adrenal the quantity of I rose sharply only in the preconvulsive period (the larger, the longer the duration of this phase); further action of oxygen led to exhaustion and possibly to destruction of the adrenal function; the content of I decreased in them, and then disappeared completely.

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APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

BALYBERDIN, Leonid Leonidovich; [illegible], [illegible], PINTSOV, Aron Moiseyevich; SHILOVSKIY, Aleksandr Aleksandrovich; KRYCHIK, Yu.S., red.

[Use of nonregulated semiconductor rectifiers in industrial and transport systems] Primenenie neupravliaemykh poluprovodnikovykh vyprlamitelei v promyshlennykh i transportnykh ustanovkakh. Leningrad, [illegible] p. (MIRA [illegible])

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KOVAL', V.A.; KRYCHKOV, I.V.; LIKHNITSKIY, G.V.; PODSVYADEK, A.V.; SASSKIY, K.F.

Electronic dynamometer with strain-gauge transmitters.
Izm.tekh. no.1:16-18 Ja '62. (MIRA 14:12)
(Dynamometer)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHKOV, Yu.S., inzh.; CHERNOV, S.K.

Effect of the elasticity of rotor bearings on the vibration of mechanisms. Vest.mash. 41 no.11:33-36 N '61. (MIRA 14:11)
(Bearings (Machinery))
(Rotors—Vibration)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, S.

Electrification of the Turkish railroads. p. 250. (Przeglad Kolejowy Elektrotechniczny, Vol. 8, No. 8, Aug 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, S.

"Reserve electric-power plants on trailers."

p. 245 (Przeglad Kolejowy Elektrotechinczny) Vol. 9, no. 11, Nov. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRICHNIAK, S.

Turbogenerators of steam locomotives. p. 113.

PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY. (Wydawnictwa Komunikacyjne) Warszawa, Poland, Vol. 11, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, S..

Installations for testing the electric heating systems in cars. p. 314.

PRZEGLAD KOLEJOWY MECHANICZNY. (Panstwowe Wydawnictwa Komunidacyjne) Warszawa. Poland. Vol. 11, no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1959.

Uncla.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

High voltage electric wires employed in electric heating installations of passenger cars of the Polish State Railroads. Przegl kolej mechan 13 no.8:236, 245-248 Ag '61.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

Acceptance and operation testing of type 43-A equipment of electric heating of passenger cars. Przegl kolej mechan 13 no.11:345-347 N '61.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

Electric locomotive couplers for electric passenger car heating.
Przegl kolej elektrotech 14 no.1:29-4 of cover Ja '62.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr., inz.

Voltage regulator of the ARN 24 type for railroad cars. Przegl kolej elektrot 14 no.4:105-112 Ap '62.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr. ins.

Electric lighting and heating of double-deck cars. Przegl kolej mechan 14 no.4:124-128 Ap '62.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.; SITARZ, Marian, inz.

The SW-type magnetic contactors for electric heating installations of cars of the Polish Railroads. Przegl kolej elektrotech 14 no.8:225-229 Ag '62.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

Direct current magnetic valve arrester, type GZM-3/10. Przegl kolej elektrotech 14 no.11:336-341 N '62.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

Pulser for electric car heating systems. Przegl kolej elektrotech 15 no.2:48-55 F '63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan

Ventilation filters for railroad cars. Przegl kolej mechan 15 no.2:60-62 F '63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

Electric water heaters in passenger cars of the Polish State Railroads and their protective devices. Przegl kolej elektrotech 15 no.5:135-140 My '63.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

High-voltage fuses for electric heating installations of passenger cars of the Polish State Railroads. Przegl kolej elektrotech 11 [i.e. 16] no.2:41-46 F '64.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

Use of transistor transformers in electric lighting installations in passenger cars. Przegl kolej elektrotech 11 [i.e. 16] no.3: 96, 3-4 of cover Mr '64.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

12V—24 W semaphore bulbs. Przegl kolej elektrotech 11 no.10:253-255 O '64.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHNIAK, Stefan, mgr inz.

Monorotor converters for reserve feeding of train traffic protection installations. Przegl kolej elektrotech 11 no.12:297-299 '64.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

ZAJACZKOWSKA, Jadwiga; KRYCHNIAK, Wanda; KRAKOWKA, Pawel; BURACZEWSKA, Maria

One-year results of initial therapy of cavernous pulmonary tuberculosis with isoniazid, streptomycin and ethionamide. Gruzlica 33 no.7:565-570 Jl '65.

1. Z Klinik: prof. dr. W. Jaroszewicz i doc. dr. P. Krakowka, oraz z Zakladu Mikrobiologii (Kierownik: doc. M. Buraczewska) Instytutu Gruzlicy.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

ZAJACZKOWSKA, Jadwiga; JANCZY, Stanislaw; BURACZEWSKA, Maria; KORLAKOWSKI, Janusz; ZYCH, Dobieslaw; KRYCHNIAK, Wanda.

One-year results of antibacterial therapy of recently discovered cavernous pulmonary tuberculosis. Gruzlica 32 no.2:89-95 F'64

1. Z Instytutu Gruzlicy i Kliniki Ftizjatrycznej AM w Krakowie. Kierownicy tematu: prof. W.Jaroszewicz; prof. S. Hornung.

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POLAND

TOMASZEWSKA, Lucyna, ZACHAREWICZ, Witold, and KWIECIEŃ, Lucjan, of the Department of Organic Chemistry, N. Copernicus University, (Katedra Chemii Organicznej Uniwersytetu M. Kopernika, Toruń), in Toruń.

" On a New Method of Obtaining Pinonic Acid Aldehyde."

Warsaw, Roczniki Chemii, Vol 37, No 9, 1963, pp 1063-1065.

Abstract: [Authors' French summary modified] Authors applied a new method for obtaining pinonic acid aldehyde. This method is based on the reaction between lead tetraacetate and pinone glycol in an acetic acid solution. The spectral analysis of this compound was made at the infrared end of the band. Four references, including 2 Polish, 1 German, and 1 Western.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KHYCKI, W.

Compilation of laws concerning deratisation. Polski. tygod. lek. 6 no.49-50:1604-1607 10 Dec 1951. (CLML 22:2)

1. Department of Sanitary Engineering of the National Institute of Hygiene.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCNAR, V.

Current distribution by collecting bar supply system.
Elektrotechnik 19 no.11:322-323 N '64.

1. Elektromontazni zavody National Enterprise, Prague.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCHAR, Vaclav

Motor power distribution by a feeder system. El tech obzor 53 no.12:Suppl:Zpravy 53 no.12:Z46 '64.

1. Elektromontazni zavody National Enterprise, Prague.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

Krycner, O.

AGRICULTURE

Results of the tests with a L-35 fertilizer spreader. p. 43.

Vol. 9, no. 2, Feb. 1959

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959

Assisting the collective farms in the maintenance of their own agricultural machinery.

p. 46.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCNER, O.

E-372 combined potato harvester and its use. p. 204.

MECHANISACE ZEMEDELSTVI. (Ministerstvo zemedelstvi a lesniho hospodarstvi) Praha, Czechoslovakia, Vol. 9, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCZKO, M.

Experience of Grisotex Fiberboard Factory in Switzerland. p. 112.

PRZEMYSL DRZEWNY. Centraine Zarazady Przemyslow: Drewnego, Mablarskiego, i Lesnego i Stowarzyszenie Inzynierow i Technikow Lesnictwa i Drzewnictwa. Warszawa, Poland, Vol. 9, No. 4, Apr. 1958.

Monthly List of East European Accession (EEAI), LC, Vol. 8, No. 9, September, 1959. Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCZKONSKI, J.

PROCESSES AND PROPERTIES INDEX

2704. D.C. Production at High Voltage. A. Piekara and J. Kryczkowski. *Acta Physica Polonica*, 6, 1, pp. 89-93, 1937. *In French.*—Improvements are suggested on previous work [see Abstract 645 (1937J)], in that a larger current may now be obtained. An apparatus is described which possesses no moving parts but incorporates a thyratron whereby a d.c. potential may be tripled. A suitable transformer-diode circuit by means of which a d.c. potential of 220 V is raised to a d.c. potential of 10,000 V is also described. F. C. C.

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

Kryczkowski J.

G-2

POLAND/Electricity - Dielectrics

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10932

Author : Kaczmarek, F., Kryczkowski J.
Inst : Institute of Physics, Polish Academy of Science, Poznan.
Title : The Dependence of a Dielectric Permittivity of $BaTiO_3$ on the Character of the Alternating Electric Field Below the Curie Point.

Orig Pub : Bull. Acad. polon. sci., 1957, cl. 3, 5, No 7, 737-741

Abstract : A study was made of oscillograms of the dependence of the dielectric permittivity (ε) of ceramics and single crystals of $BaTiO_3$ and ceramics of $(Ba, Sr)TiO_3$ on the time when an electric field of varying time dependence is applied to the specimen. When the frequency of the field is 250 cycles, with a buildup rate of up to 500 volts per second within 0.8 milliseconds and with a decay within 3.2 milliseconds, then as the field increases the permittivity increases and reaches a maximum earlier than the field maximum ic reached and when the field decreases, the permittivity drops. A rapid reduction field causes an increase in the permittivity. When the sinusoi-

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POLAND/Electricity - Dielectrics

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10932

dal alternating field is superimposed with an intensity of 300 volt per cm and a frequency of 100 cycles, the permittivity changes with twice the frequency. Application of a constant bias field the magnitude of the harmonics and makes the shape of the curve of the permittivity closer to the shape of the curve of the intensity of the applied field. The phase shift between the two curves is 180°.

Card : 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCZNIAK, Wanda

Early treatment of spontaneous pneumothorax. Pol. tyg. lek. 19 no.14:497-499 30 Mr '64.

1. Z Instytutu Gruzlicy w Warszawie (ordynator Oddziału XI: prof. dr. med. Wiwa Jaroszewicz).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCZYNSKI, Igor

Casuistics of mental disorders during pernicious anemia. Neur. Ac. polska 6 no.6:889-893 Nov-Dec 56.

1. Z Kliniki Psychiatrycznej A.M. w Warszawie, Kierownik Kliniki: prof. dr. J. Handelsman.

(ANEMIA, PERNICIOUS, compl.
ment. disord. (Pol))
(MENTAL DISORDERS, compl.
anemia, pernicious (Pol))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

EXCERPTA MEDICA Sec 8 Vol 12/4 NEUROLOGY Apr 59

1083. SIGNIFICANCE OF TUBERCULOSIS AS A FACTOR IN THE AETIOLOGY OF SCHIZOPHRENIA - Znaczenie gruźlicy jako czynnika w etiologii schizofrenii - Kryczyński I, Klin. Psychiat. A.M., Warszawa - NEUROL. NEUROCHIR. PSYCHIAT. 1956, 7/suppl. 4 (637-638) (Rec'd Jan. '58)

On the basis of 20 patients none of whom suffered from any organic disease of the nervous system and in whom, except for pulmonary tb, no other acute or prolonged infection was recognized, it is concluded that: (1) It seems that sometimes ordinary pulmonary tb infection is accompanied by psychic disorders in the form of a schizophrenic-like complex of symptoms. (2) In such cases the combined treatment of both tb and mental disease has a favourable effect.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCZYNSKI, I.

Organization of psychotherapy & mental hygiene in Lyon, France. Neur. & c polska 8 no.4:527-530 July-Aug 58.

1. Z Kliniki Psychiatrycznej A.M. Warszawie Kierownik: prof. dr J. Handelsman.

(PSYCHOTHERAPY
organiz. in Lyon (Pol))
(MENTAL HYGIENE
same)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KHYCZYNSKI, Igor

Case of symptomatic epilepsy. Polski tygod. lek. 13 no.43:1694-1696 27 Oct 58.

1. Z Kliniki Psychiatrycznej A. M. w Warszawie; Kierownik Kliniki: prof. dr J. Handelsman.
(EPILEPSY, case reports
symptomatic (Pol))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYCZYNSKI, Igor

The problem of epilepsy in out-patient department. Wiad. lek. 18 no.7:581-587 1 Ap '65

1. Z Wojewodzkiej Przychodni Zdrowia Psychicznego w Warszawie (Dyrektor: dr. med. B. Kostkiewicz).

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYDA, Andrzej

Polyethylene folium as wrapping material in oversea traveling.
Tworzywa wielkoczast 6 no.7/8:244-245 Jl-Ag '61.

1. Polish Tourist and Local Studies Society.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

ČERNY, Ivo, inz.; KRYGEL, Milan

Experience with the Soviet MV 1 gyrocompass in the Ostrava-Karvina coal basin. Rudy 10 no.11:388-394 N '62.

1. Sdruzeni ostravskokarvinskych dolu, Ostrava.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIEL, T.

Costsof building thermoelectric-power plants based upon analysis of compound cost estimates. p. 66. ENERGETYKA. Ministerstwo Energetyki Stalinogrod. Vol. 9, no. 2, Mar./Apr. 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 5, No. 7, July 1956

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIEL, T.

Shortcomings and mistakes in technical documentation of steam electric-power plants.

p. 10 (Przeglad Elektrotechniczny. Vol. 32, no.1, Jan. 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIELOWA, W. I-11

POLAND/Chemical Technology - Chemical Products and Their Application. Water treatment. Sewage water.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12747

Author : Krygielowa W., Kucharski J.

Title : Experiments on Desilicification of Feed Water with the Precipitate Formed on Purification of Brine at Enterprises of the Soda Industry

Orig Pub : Proby odkrzmiania wody do celow kotlowych za pomoca odpadkowego szlamu z oczyszczania solanki w zakladach przemyslu sodowego. Przem. chem., 1955, 11, No 5, 230-232 (Polish)

Abstract : To remove silica from water utilized as steam boiler feed, use was made of the precipitate that is obtained on purification of brine at enterprises of the soda industry; composition of the precipitate (in %): CaO 32.94, MgO 3.15, SiO_2 1.18, Fe_2O_3 + Al_2O_3 1/08, CO_2 34.77, NaCl 26 80. The precipitate was used untreated and also

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POLAND/Chemical Technology - Chemical Products and Their Application. Water treatment. Sewage water. I-11

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12747

after being washed to remove NaCl. The precipitate was added, in amounts of 0.6-1.2 g/liter, to the water that had to be freed of silica, at boiling temperature; after 45 minutes heating was discontinued and after the temperature had dropped to 50° stirring was also discontinued. With a SiO_2 concentration in the initial water of ~ 20 mg/liter, total hardness 2.54 mg-equivalent/liter and pH 7.65-8.0 the following results were obtained; with a dosage of 9 g/liter of untreated precipitate -- SiO_2 1.2 mg/liter, Cl^- 1532 mg/liter, total hardness 1.82 mg-equivalent/liter, pH 9.75; with a dosage of 10 g/liter of washed precipitate -- SiO_2 0.6 mg/liter, total hardness 1.82 mg-equivalent/liter, pH 9.3.

Card 2/2 - 169 -

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIELOWA, Wanda; KUCHARSKI, Jozef; WASOWICZ, Jadwiga; HAMAN, Waldemar

Attempts of purifying the sewages connected with the manufacture of aureomycin. Przem chem 39 no.6:341-344 Je '60.

1. Zaklad Fizyko-Chemiczny, Instytut Chemii Ogolnej, Warszawa

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

BASIŃSKI, Antoni; SZYMAŃSKI, Wojciech; DUDZIK, Małgorzata; KRYGIER, Alicja.

Determination of the solubility of cobalt ferrocyanide and manganese ferrocyanide by the tracer method using ^{60}Co and ^{54}Mn. Rocz chemii 36 no.7/8:1139-1142 '62.

1. Department of Physical Chemistry, N.Copernicus University, Torun.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

BAŁINSKI, Antoni; SZYMAŃSKI, Wojciech; KRYGIER, Alicja; ZARNOWSKA, Gabriela

Conductometric and radiometric studies on the composition of mercuric ferrocyanide. Rocz chemii 37 no.11:1345-1350 '63.

1. Department of Physical Chemistry, N. Copernicus University, Torun.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIER, A.

Biochemistry of malignant neoplasms according to recent studies. Polski tygod. lek. 8 no.37-39:1316-1321 28 Sept 1953. (CIML 25:4)

1. Of the Institute of Pathological Anatomy (Head--Prof. K. Stojalowski, M.D.) of Szczecin Maritime Medical Academy.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

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KICZAK, Janina; KRYGIER, Aleksandra

Malignant granuloma associated with myeloid leukemia. Polski tygod.lek. 10 no.29:962-966 18 July '55.

1. Z Kliniki Chorob WewnetrznychPomorskiej A.M.; kierownik: doc. dr Edward Gorskowski i z Zakladu Anatomii Patologicznej; kierownik: prof.dr Kazimierz Stojalowski. Szczecin 6 ul. Lukasinskiego 8.
(HODGKIN'S DISEASE, complications,
leukemia, myelocytic)
(LEUKEMIA, MYELOCYTIC, complications,
Hodgkin's dis.)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIER, Aleksandra

Nucleic acids in certain neoplasms of the peripheral nervous system; sympathoblastomas, ganglioneuroblastomas, malignant neurinoma. Poznan. Tow. przyjaciol nauk, wydz. lek. 13 no.1: 1-93 1956.

1. Z Zakladu Anatomii Patolog. P.A.M. w Szczecinie. Kier. prof. dr. K. Stojalowski.

(GANGLIONEUROMA, metabolism in, nucleic acids in tumor cells (Pol))
(NEUROBLASTOMA, metabolism in, same.)
(NEURILEMMOMA, metabolism in, same.)
(NUCLEIC ACIDS, metabolism, ganglioneuroma, neuroblastoma & neurilemmoma tumor cells. (Pol))

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIER, Aleksandra; STOJALOWSKI, Kazimierz

Mucopolysaccharides in the basic substance of the connective tissue in inflammatory conditions, in certain vascular degenerative processes and in neoplastic states. Postepy hig. med. dosw 14 no.2:190-215 '60.

1. Z Zakladu Anatomii Patologicznej P. A. M., Kierownik: prof. dr K. Stojalowski.

(MUCOPOLYSACCHARIDES chem.)
(CONNECTIVE TISSUE chem.)
(BLOOD VESSELS pathol.)
(NEOPLASMS pathol.)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIER, Aleksandra; KASPRZYK, Kazimierz

The influence of hydrogen-ion concentrations and some other ions on metachromasia in staining mucopolysaccharides with tuluidine blue. Acta medica polona 2 no.2:123-145 '61.

1. Department of Pathological Anatomy, Pomeranian Medical Academy, Szczecin Director: Prof. dr. Kazimierz Stojalowski.
(MUCOPOLYSACCHARIDES chem)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

MURCZYNSKA, Wanda; GREC, Stefan; KRYGIER, Aleksandra; TUSTANOWSKI, Stanislaw; DWORAK, Wlodzimierz

Early immunological reactions in tuberculosis studied with bacilli labeled with the isotope P32. Gruzlica 29 no.10:841-890 O '61.

1. Z Zakladu Mikrobiologii PAM w Szczecinie Kierownik: prof. dr W.Murczynska Z Osrodka Izotopowego PAM w Szczecinie Kierownik: prof. dr C.Murczynski Z Zakladu Anatomii Patologicznej PAM w Szczecinie Kierownik: prof. dr K.Stojalowski.

(MYCOBACTERIUM TUBERCULOSIS) (PHOSPHORUS radioactive)
(TUBERCULIN REACTION)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGIER, E.; MIODUSZEWSKA, B.; ROSINSKI, K.

Optical pumping in rubidium vapor by simultaneous action of buffer gas and wall coating. Bul Ac Pol math 12 no.8:503-506 '64.

1. Institute of Physics of the Polish Academy of Sciences, Warsaw and Institute of Experimental Physics, of the University, Warsaw. Presented by A. Jablonski.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

1. KRYGIN, A.

2. USSR (600)

4. Stokers, Mechanical

7. Mechanical fuel feed, Mast. ugl., 2, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

SAMANDAROV, S.A., kand.tekhn.nauk; KRYGIN, A.I., nauchnyy sotrudnik

Once-through fiber cleaner for cotton gins. Tekst.prom.22 no.3:38-39 Mr '62. (MIRA 15:3)

1. Rukovoditel' laboratorii ochistki i dzhinirovaniya TSentral'nogo nauchno-issledovatel'skogo instituta khlopkovoy promyshlennosti (for Samandarov). 2. TSentral'nyy nauchnoissledovatel'skiy institut khlopkovoy promyshlennosti (for Krygin).
(Cotton gins and ginning)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

GETTA, G.I., kand. veterin. nauk; YANOVICH, G.I., dotsent; SEMENOV, N.S.; KRYGIN, A.V., kand. biolog. nauk

Use of trichlorometaphos-3 in hypodermosis. Veterinariia 41 no.1:50-54 Ja '65. (MIRA 18:2)

1. Sibirskiy nauchno-issledovatel'skiy veterinarnyy institu (for Getta). 2. Novosibirskiy sel'skokhozyaystvennyy institut (for Yanovich). 3. Glavnyy veterinarnyy vrach Indigirskogo proizvodstvennogo upravleniya Yakutskoy ASSR (for Semenov). 4. Dal'nevostochnyy nauchno-issledovatel'skiy veterinarnyy institut (for Krygin).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

1. KRYGIN, B. M.: ZOLOTAREVA, A. V.

2. USSR (600)

4. Compressibility

7. Compression during solution. Fiz. v shkole, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

SOV/138-58-9-2/11

AUTHORS: Shatalov, V. P; Bashkatov, T. V; Kostyukov. N; Popova, Ye.N; Chulyukova, T. A; Krygina, [redacted] K. G.

TITLE: The Preparation of Oil-Filled 1,3-Butadiene-Styrene Rubber SKS-30M (K voprosu polucheniya maslonapolnennogo divinil-stirol'nogo kauchuka SKS-30M)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 9, pp 4 - 7 (USSR)

ABSTRACT: Unsatifactory results were obtained with a batch of rubber SKS-30M produced in the Voronezh Factory for Synthetic Rubber during 1955 - 1956. The authors investigated the possibility of improving the properties of this rubber by using "controlled" latex. When a control agent is added to the rubber SKS-30 only 45% of insoluble substances are found as compared with 87% when no control agent is added. An increased content of insoluble particles in the rubber impairs the technological properties of the rubber mixtures (Table 1). Table 2 gives data on the physico-mechanical characteristics of rubbers containing 15% oil fillers. The elasticity and residual elongation of both rubbers are of the same order. The oil-filled controlled rubber SKS-30M-15 is softer and plasticises quicker. When using

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SOV/138-58-9-2/11

The Preparation of Oil-Filled 1,3-Butadiene-Styrene Rubber SKS-30M

the lubricating oil Mark 18 a slight lowering of the specific physico-mechanical properties of rubber SKS-30 can be observed, but this lowering is of the same order as for the low-temperature rubber SKS-30A when using an equal amount of filler. A 15 - 20% decrease in strength occurs when 25% of the filler is used (Table 3). The addition of the lubricating oil Mark 18 to the rubber SKS-30 (hardness 2,000 - 2,500 g and 1,000 - 1,500 g) leads to analagous changes, but at a hardness of 2,000 - 2,500 g it suffices to add 15% of the lubricating oil to obtain a rubber of a hardness of about 1,000 g. Improved plasticity can be obtained in the same mixer by adding plasticisation accelerators. Experiments on lowering the hardness to 400 g showed that it was necessary to use 30% of the filler. This quantity, however, lowers the physico-mechanical properties of the rubber. Experiments were carried out in the Voronezh Plant SK in co-operation with VNIISK on the industrial production of a batch of oil-filled 1,3-butadiene-styrene rubber obtained during high-temperature polymerisation (SKS-30M-15) containing 14 - 17% oil. Characteristics of this batch are given

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SOV/138-58-9-2/11

The Preparation of Oil-Filled 1,3-Butadiene-Styrene Rubber SKS-30M

in Table 4. Results showed that this type of rubber can be used for the manufacture of inner tubes and tyres. The composition of the industrial test batch, as well as of the oil emulsion, is given. This rubber was dried at the following temperatures: the first zone 110 - 130°C; the second zone 110 - 124°C; the third zone 104 - 112°C. There are 4 Tables.

ASSOCIATION: Voronezhskiy zavod sinteticheskogo kauchuka im. S. M. Kirova (Voronezh Factory for Synthetic Rubber im. S. M. Kirov)

Card 3/3

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

S/138/60/000/01/01/010

AUTHORS: Shatalov, V.A., Popova, Ye.N., Krygina, K.G., Komandorova, L.A.

TITLE: Greater Stability of the SKS-30 Polimerization System

PERIODICAL: Kauchuk i Rezina, 1960, No. 1, pp. 3 - 5

TEXT: The article deals with possibilities of improving the stability of the polimerization system and investigates the reasons for its instability. One of the main reasons for the separation of coagulum during the process of polimerization is due to ferrous salt getting into the polimerization charge. It is sufficient to add 0.1% $FeSO_4$ to the aequeous phase to bring the amount of coagulum from 0.5 to 4.7% based on the rubber. The principal mass of iron compounds enters the polimerization mixture with the emulsifier (Nekal) and alkali. Deposition of coagulum is also brought about by a great temperature gradient between the latex and the walls of the apparatus. The large particles of phenyl-β-naphtylamine are the coagulation centers. The stability of the low-temperature SKS-30A polimerization system can be improved by increasing the quantity of water and emulsifier, as well as by adding a small amount of leucanol, which should be introduced at a rate of 0.3% based on the monomers. The effect produced by leuconol on the SKS-30 system

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

Greater Stability of the SKS-30 Polimerization System S/138/60/000/01/01/010

has been tested under laboratory and industrial conditions. The results of tests are shown in 2 Tables. These data show that under industrial conditions leucanol improved considerably the stability of the polimerization system. After introduction of leucanol the use of the deposition in the end polimerizers decreased about 10 times, while in the first apparatus coagulation was practically not existing. Laboratory tests permitted to draw the conclusion, that the stabilization brought about by leucanol is due to the effect it produces on the ion of iron and to the physico-chemical processes of colloidal substances like soap or dispersers, whereby the protective action of the film surrounding the rubber particles is strengthened. It can therefore be concluded that by the introduction of leucanol into the recipe of SKS-30, by the total prevention of iron compounds from getting into the system and by the improvement of the dispersion of phenyl-β-naphtylamine it is possible to eliminate the precipitation of coagulum from latex in the course of polimerization as well as the separation of monomers. There are 3 tables and 3 Soviet references.

ASSOCIATION: Voronezhskiy zavod sinteticheskogo kauchuka im. S. M. Kirova (Voronezh Plant of Synthetic Rubber im. S. M. Kirov)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

15.9210

S/136/60/000/007/003/010
A051/A029

AUTHORS: Shatalov, V.P.; Popova, Ye.N.; Gergasevich, T.V.; Zenina, T.S.; Krygina, K.G.; Makashova, A.W.

TITLE: The Production of Butadiene-Styrene Rubbers in an Emulsion in Modified Colophony Soap Systems

PERIODICAL: Kauchuk i Rezina, 1960, No. 7, pp. 6 - 9

TEXT: The authors refer briefly to the significance of improving the performance of automobile and other tires, which involves the perfecting of the butadiene-styrene rubber properties, the main raw material used in their production. The properties of the rubber are improved in comparison with the use of Nekal by using emulsifying agents during the emulsion copolymerization of butadiene and styrene. Nekal has the tendency to form a calcium salt which reduces the mileage of the tire. The conditions for the production of butadiene-styrene rubber in an emulsion with modified colophony soap and synthetic fatty acids were investigated at 5 and 50°C. The method for the production of rubber both at 5 and 50°C is outlined. The copolymerization of 1,3-butadiene with styrene in an aqueous emulsion with modified colophony soap was studied in 2 systems: 1) with the oxidation-re-

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duction group hydroquinone-sodium sulfite-ammonia-hydroperoxide of 1,1-diphenylethane and 2) the oxidation-reduction group formaldehyde-sodium sulfoxylate-trilon B-ferric sulfate hydroperoxide of 1,1-diphenylethane. Potassium soap of hydrated and disproportionate colophony with an addition of synthetic fatty acid soap was used as the emulsifying agent (Table 1). The composition recommended for the synthesis of low-temperature butadiene-styrene rubber is cited. Table 2 shows the comparative rates of polymerization at different contents. Sodium chloride and acetic or sulfuric acids are suggested as the coagulating agent of the latex with the colophony soaps. The order in which the reacting substances are mixed affects the nature of the coagulum, the stability of the process and the expenditure of sodium chloride. Table 3 is a listing of the physico-mechanical properties of the low-temperature rubbers. The modification method of the colophony does not affect the copolymerization process at both 5 and 50°C. The order by which the acid is introduced into the system has a significant effect on the rubber formation from the latex with colophony soap. In addition to this, the waiting period between each mixing of the ingredients is another important factor determining the nature

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of the rubber formation from the latex. It was also established that the less soap is used in the content, the less chloride is needed for the reaction. It is seen that the rubber formed in the colophony soap system is more pliable than that formed in a Nekal system, the dosage of the regulator remaining constant. The former is more easily masticated, its rubber mixtures have greater adhesiveness and vulcanize more rapidly. There are 4 tables and 6 references: 4 Soviet and 2 English.

ASSOCIATION: Voronezhskiy zavod sinteticheskogo kauchuka im. S.M. Kirova (The Voronezh Synthetic Rubber Plant im. S.M. Kirov)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

PA 29/49T85

KRYGINA, N. Ye.

1948

USSR/Minerals
Mineral Deposits
Spodumene

"Altyn-tau Spodumene Deposit in Kyzyl-kumy," N. Ye. Krygina, Active Mem, Acad Sci USSR, 2 pp

"Zapiski v-s Mineral Obshch" No 4

Describes the deposits, chemical composition, and physical characteristics of the mineral.

29/49T85

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KRYGINA T.A.

KRYGINA, T.A.; YAKOVLEV, V.Ya.

Injecting novocaine into the udder for treating mastitis in cows. Veterinariia 34 no.9:66 S '57. (MLRA 10:9)

1. Glavnyy veterinarnyy vrach Kirovskogo rayona, Kurganskoy oblasti (for Krygina). 2. Assistent Troitskogo veterinarnogo instituta (for Yakovlev).

(Novocaine) (Udder--Diseases) (Cows--Diseases and pests)

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KRYGINA, T.B.

Basis for a rational sleeping and waking schedule for children during the second year. Nauch. rab. asp. i klin. ord. no.6:74-79 '60. (MIRA 14:12)

1. Kafedra pediatrii (zav. deystvitel'nyy chlen AMN SSSR prof. G.N. Speranskiy) TSentral'nogo instituta usovershenstvovaniya vrachey.
(CHILDREN--SLEEP)

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MOLDAVSKIY, O.D. (Moskva); PRONOV, A.P. (Moskva); Prinimali uchastiye: VASLYANINA, O.V.; LUKASHEVICH, V.Ya.; KRYGLOVA, Ye.V.

Speed of removal of nonmetallic oxide inclusions in liquid steel. Izv. AN SSSR. Met. i gor. delo no.5:23-34 S-O '64. (MIRA 18:1)

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S/260/62/000/007/002/004
I006/I206

AUTHOR: Krygov, B. S. and Kalitkin, B. V.

TITLE: Ultrasonic immersion installation for revealing defects in sheets and thin-walled articles

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk Pribory tochnoy mekhaniki i ispytatel'nyye ustanovki, v. 7, 1962, 20, abstract 40.7.113. In collection "Prom. primeneniye ultrazvuka. Kuybyshevsk. aviats. in-t". Kuybyshev, 1961, 150-160

TEXT: The ultrasonic installation of type ЭМС-I (EMS-I) for visualizing defects in sheets and thin-walled articles of small dimensions is described. In it the defect image appears on the screen of a cathode-ray tube with long afterglow. Owing to the use of a many-tentacled radiating transformer, giving narrow and closely spaced ultrasonic pencils, visual images of defects are obtained with minimum dimension up to 1 mm (0.01 cm² in surface), and the actual defect dimension can be determined. The installation is suitable for detection of cracks, dislocations, and any regions of non-uniformity in the industrial control of large articles for responsible utilization. The block-diagram of the installation is given. There are 12 figures

[Abstracter's note: Complete translation.]

Card 1/1

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NAZAROV, S.T.; PENKEVICH, Ye.R.; IL'YUSHCHENKO, L.F.; YERMOLOV, I.N.; DEMIN, M.P.; KRUPIN, A.E.; KRYGOV, B.S.; SERGEYEV, A.S., deceased

Survey of dissertations on the problems of flaw detection. (MIRA 18:6)
Defektoskopiia no.1: 4-96 '65.

1. Moskovskoye vysshaye tekhnicheskoye uchilishche imeni Baumana (for Nazarov, Penkevich). 2. Moskovskiy oblastnoy pedagogicheskiy institut (for Il'yushchenko). 3. Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya (for Yermolov, Demin). 4. Moskovskiy institut stali i splavov (for Krupin).

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ASD(p)-3

)/EWT 1 /EWP(c)/EWP(v)/T/EWP(k)/EWP

ACCESSION N : AT5001225

AUTHOR: Krygov, B. S.; Kalitkin, B. V.

Immersion installation for the production of visible images

[illegible] thin-wall articles

[illegible]

[illegible] long-persistent

[illegible] multiple-feeler [illegible]

[illegible] spaced ultrasound [illegible]

[illegible] displayed without distortion. [illegible]

(EMS-1) is shown in Fig. 1 of the Enclosure. [illegible]

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SUB CODE: [illegible], IE NR REF SOV: 003

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

*Krygowska, Zofia. Konstrukcje geometryczne na płaszczyźnie. [Geometrical constructions in the plane.] Państwowe Wydawnictwo Naukowe, Warsaw, 1958. 196 pp. (1 insert) zł. 15.

The book is intended for readers who know about geometric constructions as much as is included in the traditional course in plane geometry of the secondary schools.

After a brief chapter (pp. 6–13) on the history of geometric constructions the author gives a fair account of the power and limitations of the classical constructions with ruler and compasses. She contributes, of course, her share to the sisyphean task of convincing the ever present squarers of the circle and the trisectors of the angle that their misdirected efforts are foredoomed to fail (pp. 119–193).

In the third and last chapter are considered the various other methods of geometric constructions: the use of higher plane curves, the use of the ruler alone, the marked ruler, the Mascheroni constructions, and others. In each case the fundamental theory is given, but applications are few.

The book concludes with a bibliography of more than a dozen items and a detailed table of contents. There is no index.

N. A. Court (Norman, Okla.)

JW
Y1

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGOWSKA, Z. (Krakow)

International Conference on the Teaching of Mathematics in Krakow, August 3-11, 1960. Rocz wiad matem 4 no.3:289-293 '61.

(Mathematics)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820009-6

KRYGOWSKA, Z. (Krakow)

A discussion on the teaching of geometry at the annual congress of teachers of mathematics of secondary schools in Belgium. Rocz wiad matem 6 no.1:17-22 '62.

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KRYGOWSKA, Z. (Krakow)

Teaching geometry in contemporary uniform mathematics. Rocz wiad matem 6 no.1:23-42 '62.

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KRYGOWSKI, BOGUMIL

PA 30T27

POLAND/Geology Sep 1947

"Report on the Geological Field Works in Lower Silesia in 1946," Bogumil Krygowski, 8 pp

"Biuletyn, Panstwowy Instytut Geologiczny" No 32

The author has made up geological maps of 77 sq km of the area covered by charts 1:25,000 (Gröditzberg) and Kaiserwaldau (2759). The researches were chiefly concerned with the Quaternary, as well as with the hydrogeological problems connected with Pleistocene.

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KRYGOWSKI, BOGUMIL

Ziemia Lubuska, opis geograficzny i gospodarczy. (Pisarz) Bogumil Krygowski (i) Stanislawa Zajchowska.

Poznan, Poland, Wydawn. Instytutu Zachodniego, 1946. 287 p.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 8, August, 1959.
Uncl.

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ST. SOKOLOWSKI, Sprawozdanie z badan hydrogeologicznych w.r. 1946, Warszawa 1947, PIG, 80, pp. 49, 2 figs.

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"Some Remarks on the Connection Between the Lakes of the Lowlands of Great Poland and Ground Water," P. 92,
(PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 2, 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

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KRYGOWSKI, B.

An attempt to mechanize the graniformameter, a device for the separation of gravel grains according to rounding grade. In English. p. 121.
BULLETIN, Varsovie, Vol. 3, no. 2, 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

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KRYGOWSKI, B., BIULETYN PERYGLACJAINY

A review of a periodical p. 58. Wroclaw
Vol. 27, no. 1, 1956
GEOGRAFICZNE

SOURCE: East European Acession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

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KRYGOWSKI, B.

Hypsography of Great Poland.

p. 81 (Geografia) No. 1, 1957, Poznan, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

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A few remarks on the most recent plans of the division of Poland into natural regions. p. 113.
(Geografia W Szkole, Vol. 10, No. 3, May/June 1957)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept 1957, Uncl.

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KRYGOWSKI, BOGUMIL

Geography & Geology

Krajobraz Wielkopolski i jego dzieje. Poznan, Panstwowe Wydawn. Naukowe, 1958. 159 p. (Wielkopolska w oczach przyrodnika, nr. 2) (Physical geography of Great Poland and its history)

Monthly List of East European Acessions (EEAI), LC, Vol. 8, No. 3, March 1959, Unclass.

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