"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

41738
S/020/62/146/006/012/016
B106/B186

AUTHORS: Korshak, V. V., Corresponding Member AS USSR, Tsvankin, D. Ya., Krukovskiy, S. P.

TITLE: Investigation of polyethylene terephthalate (Lavsan) foils with grafted polystyrene

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 146, no. 6, 1962, 1347-1348

TEXT: With a view to investigating how much the structure of a polymer foil is affected by grafting another polymer onto the same, the following grafting experiments were made: amorphous layers of polystyrene of different thicknesses were grafted onto two 28-μ thick crystalline foils of polyethylene terephthalate by keeping the mixture of both compounds at 80°C for 3 and 8 hrs, respectively, in a nitrogen atmosphere together with styrene. Results: after heating the mixture for 3 hrs, a foil 46 μ thick with a yield of 20.95% (by weight of the initial foil) of grafted polystyrene was obtained and after heating the same for 8 hrs, a foil, 143 μ thick with a yield of 195% was the result. For control purposes, two foils were prepared by laminating the same original materials in a simple manner, using

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B106/B186

Investigation of polyethylene ...

the same proportions by weight. X-ray pictures of the two grafted samples were compared with the two control samples. In addition, cross-sectional photographs of the grafted samples were examined. The polyethylene terephthalate foil was found to remain unaffected by the grafted polystyrene. This indicates that the major part of crystals of the initial foil does not participate in the grafting process and that neither the structure nor the relative orientation of crystallites in the foil is disturbed. The cross-sectional photographs revealed a comparatively sharp boundary between the grafted layer of polystyrene and the initial foil. The transition zone is considerably smaller than the thickness of the grafted layer. All this shows that grafting occurs only in an extremely thin surface layer of the foil. The polymer used for grafting will not penetrate farther into the base foil even if its thickness is increased. There are 2 figures.

SUBMITTED: June 5, 1962

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

ACCESSION NR: AP3001572 S/0191/63/000/006/0009/0011

AUTHOR: Korshak, V. V.; Mozgova, K. K.; Krukovskiy, S. P.

TITLE: Preparation of graft copolymers. Graft copolymers of polyethyleneterephtalate (lavsan) and styrene.

SOURCE: Plasticheskiye massy, no. 6, 1963, 9-11

TOPIC TAGS: graft copolymers, polyethyleneterephtalate, lavsan, styrene, oxidative destruction, ozonization, copolymer viscosity

ABSTRACT: Lavsan films were treated with ozone for varying lengths of time and then grafted with styrene. The yield of copolymer depends on the duration of the ozonization and of the copolymerization. The ozonization is accompanied by progressive oxidative destruction of the polymer and it is concluded in a discussion of the mechanism that the benzene rings also are cleaved to give oxygen-rich compounds. The highest copolymer viscosity was obtained when approximately 100-110% of styrene was grafted to the film. Orig. art. has 2 tables and 4 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 01Jul63 ENCL: 00

Card 1/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

L 13304-63 EPF(c)/EPR/EWP(j)/BIG/EWT(m) AFFTC/ASD Pr-4/Ps-4/
Pc-4 RM/WW

ACCESSION NR: AP3003299 S/0191/63/000/007/0005/0007

72

AUTHORS: Korshak, V. V.; Morgova, K. K.; Krukovskiy, S. P.

TITLE: Preparation of graft-copolymers of polyethyleneterephthalate (Dacron) and methylmethacrylate.

SOURCE: Plasticheskiye massy, no. 7, 1963, 5-7

TOPIC TAGS: graft-copolymer, polyethyleneterephthalate, dacron, methylmethacrylate

ABSTRACT: The process of preparation of graft copolymers of dacron and methylmethacrylate and the study of their properties has been investigated. Prior to reaction, the samples of dacron were first activated by heating them in an atmosphere of air or ozone, afterwards the films were heated to a temperature of 700 with methylmethacrylate. The investigation of the graft copolymerization process, described above, showed that the quantity of grafted polymethylmethacrylate primarily depends on two factors: the length of activation of dacron and the time duration of copolymerization. It was observed that the maximum quantity of grafted polymethlmethacrylate is obtained when the dacron film activated in air is heated only for a short period of time. The increase of activation time results in the decrease of grafted polymer. In case of activation of the dacron film

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L 13364-63

ACCESSION NR: AP3003299

in ozone, the quantity of grafted polymethylmethacrylate increases with an increase of ozone activation time. The grafted copolymers vary from one another by their density which is dependent on the applied method of activation of the film. Orig. art. has: 1 table and 3 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 30Jul63 ENCL: 00

SUB CODE: CH NO REF SOV: 009 OTHER: 000

2/2

Card

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

MOSHCHINSKAYA, N.K., doktor khim. nauk; KISLITSYNA, Z.G., kand.tekhn. nauk; KRUKOVSKIY, S.P.; MASHKEVICH, O.I.; POTIYEVSKAYA, S.A.; KRAVTSOV, V.S.; KUTSYGINA, V.V.; ZEMLYANSKAYA, L.K.

New binders in the production of particle boards. Bum. i der. prom. no.2:14-15 Ap-Je '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.

From the life experience of a working man. Neftianik 8 no.6:18-19 Je '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

[illegible], V. A.

Industrial Safety

Safety engineering in the works of Leningrad Polytechnic Institute professors. Trudy Len. politekh. inst., No. 1, 1949.

9. Monthly List of Russian Accessions, Library of Congress, ~~October 1952~~ 1953, Uncl.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.A.

ZLOBINSKIY, B.M.; TRUKHANOV, A.A., doktor tekhnicheskikh nauk, professor, retsenzent; KRUKOVSKIY, V.A., dotsent, retsenzent; VLASOV, A.F., inzhener, retsenzent; VINOGRADSKIY, N.V., dotsent, redaktor.

[Elements of safety technique] Osnovy tekhniki bezopasnosti. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 212 p. (MIRA 7:7)
(Industrial safety)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.

Improving working conditions and the technique of industrial safety. Sots.trud.no.11:30-35 N '56. (MIRA 10:1)

(Industrial safety)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

NIKITIN, Gennadiy Mikhaylovich; GUSEV, M.N., kand.tekhn.nauk, dots.; retsenzent; VINOGRADOV, I.M., insh., retsenzent; VOLKOV, Yu.N., starshiy nauchnyy sotrudnik, retsenzent; SIMSON, I.I., retsenzent; KRUKOVSKIY, V.A., red.; VOLCHOK, K.M., tekhn.red.

[Safety engineering and fire prevention in transportation by water] Tekhnika bezopasnosti i protivopozharnaia tekhnika na vodnom transporte. Leningrad, Izd-vo "Rechnoi transport," Leningr. otd.-nie, 1958. 416 p. (MIRA 11:5)

(Ships--Fires and fire prevention)
(Safety engineering)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.A.

"Promoting safety measures in a metallurgical plant" by P.D. Ermakov, A.E. Kolegov, A.A. Malykh. Reviewed by V.A. Krukovskii. (MIRA 11:4)
Bezop.truda v prom. 2 no.4:39 Ap '58.
(Metallurgical plants--Safety measures)
(Ermakov, P.D.) (Kolegov, A.E.) (Malykh, A.A.)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V., dots.

Standard safety requirement symbols and terminology. Pozh.delo 6 no.10:30 O '60. (MIRA 13:10)

1. Zaveduyushchiy kafedroy tekhniki bezopasnosti Leningradskogo politekhnicheskogo instituta imeni M.I.Kalinina.
(Fire prevention--Laws and regulations)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

ZLOBINSKIY, B.M.; YUDIN, K.A., retsenzent; KRUKOVSKIY, V.A., dots., retsenzent; VOLKOV, D.A., dots., retsenzent; ZOLOTNITSKIY, N.D., prof., red.; BRUSHTEYN, A.I., red.izd-va; MODEL', B.I., tekhn. red.

[Safety engineering] Tekhnika bezopasnosti. Moskva, Mashgiz, 1963. 185 p. (MIRA 16:4)

(Industrial accidents)
(Technological innovations—Safety measures)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

DERMAN, B.M.; KHUKOVSKIY, V.K.

Research in the gasification process of pulverized peat semi-coke in a continuous process using an air blast. Trudy IGI no.5:108-114 '55. (MLRA 8:11)

(Peat) (Carbonization)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V. K. Cand Tech Sci -- (diss) "A Study of the Process of the Heating of Lisichanskiy Black Coal by Electric Current." Mos, 1956. 16 pp 19 cm. (Academy of Sciences USSR, ~~Section~~ Department of Technical Sciences, Inst of Combustible Minerals), 110 ~~copies~~ copies (KL, 17- 57, 97)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

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major axis of it and current from a welding transformer applied to the ends of the cylinder. An expression was [illegible]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.K., (Moskva); FARBEROV, I.L., (Moskva)

Temperature field in heating coal by electric current. Izv. AN SSSR. Otd. tekh. nauk no.6:101-107 Je '56. (MLRA 9:9)

1. Institut goryuchikh iskopayemykh AN SSSR.
(Coke) (Coal) (Electric properties)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.K. (Moskva)

Using dimensional analysis in investigating the direct electric heating of coal. Izv.AN SSSR.Otd.tekh.nauk no.2:129-132 F '57. (Electric heating) (Carbonization)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.K.; YUR'YEVSKAYA, N.P.

"Selected works" by A.B.Chernyshev. Reviewed by V.K. Krukovskii, N.P. IUr'evskaia. Podzem.gaz.ugl. no.4:73 '57. (MIRA 11:1)
(Coal gasification, Underground)
(Chernyshev, A.B.)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.A.; FARBEROV, I.L.

Investigating the process of heating a coal block with an electric current. Trudy IGI 7:23-29 '57. (MLRA 10:6)
(Coal gasification, Underground)
(Electric currents--Heating effects)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V. K.

"Investigation of the Process of Heating of Lisichansk Mineral Coal by Means of Current."

dissertation defended for the degree of Candidate of Technical Sciences at the Inst. of Mineral Fuels.

Defense of Dissertations (Jan-Jul 1957)
Sect. of Tech. Sci.
Vest. AN SSSR, 1957, v. 27, No. 12, pp. 120-122

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.K.; PITIN, R.N., kand.tekhn.nauk; FABERKOV, I.L., doktor tekhn.nauk prof.

Underground processing of oil shale without mining. Podzem. gaz.ugl. no.3:8-10 '59. (MIRA 12:12)

1. Institut gornogo dela AN SSSR.
(Coal gasification, Underground)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.K.; PITIN, R.N.; FARBEROV, I.L.

Combustion and gasification of oil shale in a channel. Trudy IGI 13:87-96 '60. (MIRA 14:5)
(Coal gasification, Underground) (Oil shales)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.K.; PITIN, R.N.; FARBEROV, I.L.

Gas formation during the gasification of oil shales in a channel. Trudy IGI 13:97-102 '60. (MIRA 14:5)
(Coal gasification, Underground) (Oil shales)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, V.K.; MIROYEDOVA, Ye.V.; PITIN, R.N.; FARBEROV, I.L.

Hydrodynamic characteristics of a seam of kukersite oil shales. Trudy IGI 16:262-267 '61. (MIRA 16:7)
(Oil shales) (Hydrodynamics)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

ACC NR: AT6034951 (N) SOURCE CODE: UR/0000/66/000/000/0058/0063

AUTHOR: Krukovskiy, V. K.; Lukomskaya, G. V.; Dement'yeva, T. N.; Farberov, I. L.

ORG: none

TITLE: Use of electric gas discharges in fuel conversion processes

SOURCE: Moscow. Institut goryuchikh iskopayemykh. Termicheskiy i okislitel'nyy piroliz topliv i vysokopolimernykh materialov (Thermal and oxidizing pyrolysis of fuels and high polymer materials). Moscow, Izd-vo Nauka, 1966, 58-63

TOPIC TAGS: methane, thermal decomposition, electric discharge, activation energy, gas discharge, hydrocarbon

ABSTRACT: A review has been made of the use of electric gas discharges in conversion processes for fuels such coal and gaseous hydrocarbons. Inter alia, the review reports the results of a study of the effect of an electric gas discharge on the homogeneous gas-phase thermal decomposition of methane. Figure 1 shows the effect of the discharge on the temperature dependence of the activation energy of this reaction at 1200—2000C. As Figure 1 indicates, the discharge lowers the absolute value of the activation energy and causes the activation energy to increase with temperature. [WA-68]

Orig. art. has: 2 figures.

Card 1/2

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ACC NR: AT6034951

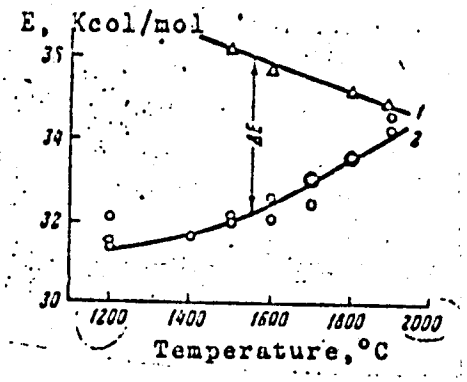

Fig. 1. Activation energy of thermal decomposition of methane versus temperature

1 - No discharge; 2 - discharge.

SUB CODE: 07, 21/ SUBM DATE: 23Jun66/ ORIG REF: 009/ OTH REF: 004

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, Yu. A.

"Geography of the Industry of the People's Republic of Bulgaria." Cand Geog Sci, Geographical Faculty, Moscow Order of Lenin State U imeni Lomonosov, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY, Yuriy Aleksandrovich; AVDEICHEV, Lev Alekseyevich; DANIL'CHENKO, O.P., red.; MASLENNIKOVA, T.A., tekhn. red.

[Economic geography of the Pyrenean countries: Spain and Portugal. Lecture for correspondence school students of the geographical faculties of state universities]Ekonomicheskaia geografiia Pireneiskikh stran; Ispaniia i Portugaliia. Lektsii dlia studentov-zaochnikov geograficheskikh fakul'tetov gosudarstvennykh universitetov. Moskva, Izd-vo Mosk. univ., 1962. 78 p. (MIRA 15:10)

(Spain—Economic geography)
(Portugal—Economic geography)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

L 21525-66 EWP(j)/EWP(k)/EWT(d)/EWT(m)/T/EWA(d)/EWP(w)/EWP(v)/EWP(t) IJP(c)

ACC NR: AP6007976 (A) SOURCE CODE: UR/0191/66/000/003/0071/0073

EM/RM/WW/JD/HM

AUTHOR: Gruin, I. (Warsaw); Krukovskiy, Z.; Butskiy, L.

ORG: none

TITLE: Properties and applications of ME-1 adhesive

SOURCE: Plasticheskiye massy, no. 3, 1966, 71-73

TOPIC TAGS: epoxy resin, epoxy adhesive, modified epoxy adhesive, polyvinyl butyral, adhesion strength

ABSTRACT: Hot-cure epoxy adhesives, which otherwise exhibit good properties, are rigid and have a low adhesion strength to metals in stripping tests. Modification of these epoxy adhesives with poly(vinyl butyral) resulted in the development of a new adhesive, designated ME-1, which exhibits high strength in stripping tests. The ME-1 adhesive consists of epoxy resin and poly(vinyl butyral) (optimum ratio 1/1), and cyanoguanidine curing agent. The shelf life of the adhesive is not less than 1 year. The adhesive can be cured at 151 to 175C for 4 to 1.5 hr under a pressure of 2—3 kg/cm^2. It can be used in solution or in film form. The adhesive exhibits the following properties: fatigue strength when sandwiched between sheet metal 2 and 3 mm thick, 53.5 and 73.0 kg/cm^2, respectively; shearing strength at 20 and 80C, 360—400 and 260 kg/cm^2, respectively; and adhesive strength in stripping tests at 20 and 80C, 5—7 and 8—10 kg/cm^2, respectively. The main areas of application of ME-1 adhesive in solution form are aluminum foil-plastic honeycombs, and in film

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3

form, in continuous glue lines and for metal facing of metal-plastic honeycombs. The bonding strength in such cases exceeds that of the honeycomb material proper. The strength of the adhesive is governed by the choice of the epoxy resin, the quality of the poly(vinyl butyral), and by the use of the materials in the proper ratio. The ME-1 adhesive can find application in aviation technology. Orig. art. has: 6 figures. [BO]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 002/ SOV REF: 001
ATD PRESS: 4222

Metal glueing

Card 2/2 PB

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

SOV/112-58-2-3171

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, pp 214-215 (USSR)

AUTHOR: Krukovskiy-Sinevich, K. B.

TITLE: The Noise Suppression Inherent in the Integral Method of Pulse-Signal Reception (Pomekhoustoychivost' integral'nogo metoda priyema impul'snykh signalov)

PERIODICAL: Izv. Kiyevsk. politekhn. in-ta, 1956, Vol 21, pp 240-247

ABSTRACT: The article considers the noise suppression inherent in a radio receiving system in which a signal is integrated after detection for the cases of "white" noise and single-pulse types of noise. A radio pulse, of T duration, which has a fill frequency f_0 and amplitude U_c, acts as a signal. The receiver has an input filter with a bell-shaped frequency response and a passband $\Delta\omega = 2\pi\Delta F$. The detector is assumed to be linear and inertialess. The duration of integration is equal to the generalized time $\Delta\omega T/2$. For "white" noise, it has been found that the relation of the average signal power to the average

Card 1/4

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noise power at the integrator output is

$$R_u = \frac{U_c^2 \left[A\varphi(A) - \frac{1}{\sqrt{\pi}} \exp(-A^2) - \frac{1}{\sqrt{\pi}} \right]^2}{\frac{\sigma^2}{8\gamma} \left\{ \sqrt{2} \left[\sqrt{\frac{\pi}{2}} A\varphi(A) - \frac{1}{2} + \frac{1}{2} \exp(-A^2) \right] + \frac{1}{16} \left[\sqrt{\frac{\pi}{2}} A\varphi(2A) - \frac{1}{2} + \frac{1}{2} \exp(-2A^2) \right] \right.}$$

where

$$A = \frac{\Delta\omega T}{2} ; \qquad \varphi(A) = \frac{2}{\sqrt{\pi}} \int_0^A \exp(-x^2)\, dx .$$

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

SOV/112-58-2-3171

The Noise Suppression Inherent in the Integral Method of Pulse-Signal Reception

In the case of a single pulse noise

$$R'_u = \frac{U_c^2 \left[A\varphi(A) + \frac{1}{\sqrt{\pi}} \exp(-A^2) - \frac{1}{\sqrt{\pi}} \right]^2}{\left[U_0 \Delta\omega \varphi\left(\frac{A}{2} \right) \right]^2}$$

where U_0 is the spectral noise density at the receiver input. A comparison of the integral-type receiver with the conventional type comprising an input filter, a linear detector, and an output filter ($\Delta\omega_{BR} = \Delta\omega_{HR}$), shows that in the case of "white" noise, the integral-type receiver has a gain almost proportional to ΔFT; in the case of pulse-type noise, there is an even greater gain in noise suppression. It is noted, however, that the integral-type reception has advantages only with $\Delta F > 1/T$, and for that reason it is rational to use it for radio telegraphy only.

Card 3/4

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

SOV/112-58-2-3171

The Noise Suppression Inherent in the Integral Method of Pulse-Signal Reception

Soviet abstractor's note. The following misprints have been noted in the paper:

1. formula (2) should read

$$R_u = \frac{U^2_{c\,max}\left(\frac{\Delta\omega T}{2}\right)}{\sigma^2\left(\frac{\Delta\omega T}{2}\right)};$$

2. the last term of the sum in formula (10) should read

$$\frac{1}{2}\exp - \left(\frac{\Delta\omega T}{2}\right)^2.$$

B.I.K.

Card 4/4

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY-SINEVICH, K. B. Cand Tech Sci -- (diss) "Analysis of the ~~Noise Stability~~ interference Resistance of Radio Receiving ~~Devices~~ Sets With Commutable Filters." Kiev, 1957. 21 pp with diagrams, 20 cm. (Min of Higher Education ~~MXXX~~ Ukrainian SSR, Kiev Order of Lenin Polytechnic Inst), 100 copies (KL, 26-57, 108)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

6(4), 7(7) SOV/108-13-12-9/12

AUTHOR: Krukovskiy-Sinevich, K. B.

TITLE: Calculation of Statistical Moments (O vychislenii statisticheskikh momentov)

PERIODICAL: Radiotekhnika, 1958, Vol 13, Nr 12, pp 72-76 (USSR)

ABSTRACT: A formula for the statistical moment of the k order of a random process at the output of a passive linear quadripole is derived. An example is given for the application of the moments of high order for the calculation of the density of probability at the output of an autocorrelation receiver. There are 1 figure and 5 references, 3 of which are Soviet.

SUBMITTED: January 21, 1957 (initially) and June 12, 1958 (after revision)

Card 1/1

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY-SINEVICH, K.B.

Use of synchronous filters in radiotelegraphy. Trudy Ural. politekh. inst. no.79:184-191 '59. (MIRA 13:7)
(Radiotelegraph) (Electric filters)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

SOV/142-2-1-12/22

9(9)

AUTHOR: Krukovskiy-Sinevich, K.B.

TITLE: Measuring the Average Signal Power in the Presence of Noise (Izmereniye sredney moshchnosti signala v prisutstvii pomekh)

PERIODICAL: Izvestiya vyyshikh uchebnykh zavedeniy - radiotekhnika, 1959, Vol 2, Nr 1, pp 94-99 (USSR)

ABSTRACT: The author investigates measurements of the average signal power in the measuring instrument. Figure 1 shown a block diagram of the measuring network, consisting of one HF filter, one square-law detector and one LF filter. The reliability of the device is evaluated by the signal-to-noise ratio. The author analyzes power measurements of discrete and continuous spectrum components. There are 1 block diagram and 3 references, 1 of which is English and 2 Soviet.

Card 1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

SOV/142-2-1-12/22

Measuring the Average Signal Power in the Presence of Noise

ASSOCIATION: Kafedra radiopriyemnykh ustroystv Ural'skogo politekhnicheskogo instituta imeni S.M. Kirova (Chair of Radio Receiving Devices of the Ural Polytechnical Institute imeni S.M. Kirov)

SUBMITTED: February 1, 1958 (initially)
November 20, 1958 (after revision)

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

05205
SOV/142-2-3-13/27

9(9), 24(1)

AUTHOR: Krukovskiy-Sinevich, K.B.

TITLE: The Detection of a Fixed Random Signal on Back[redacted] Noise

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 3, pp 363-365 (USSR)

ABSTRACT: The author bases this article on the paper "Measuring the Mean Power Level of a Signal in the Presence of Noise" published in Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 1, p 24. The results presented in that paper may be used for calculating devices designed for detecting weak random processing a continuous spectrum, especially for detecting flows of elementary particles of low intensity. In this connection, a further generalization of the results of the aforementioned paper is of interest. The signal-to-noise ration used in ref.1 as a criterion of noiseproofness is correct under the condition that the signal power is considerably less than the noise power. In this case, the dispersion increase at the output during the appearance of the signal may be neglected. In case this condition is

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05205
SOV/142-2-3-13/27

The Detection of a Fixed Random Signal on Background Noise

not met, the signal to noise ratio should be considered in the form $K_2 = \frac{(\Delta u(T))^2}{\sigma_1^2(T)}$, where $\Delta u(T)$ increase of the direct component at the end of the observation interval T and $\sigma_1^2(T)$ is the full dispersion of the output at the end of the observation interval. The author shows that the condition of the maximum of the aforementioned signal-to-noise ratio corresponds to a minimum error probability for the criterion of an ideal observer and low signal powers. The publication of this article was recommended by the Kafedra radiopriyemnykh ustroystv Ural'skogo politekhnicheskogo instituta imeni S.M. Kirova (Chair of Radio Receiving Equipment of the Ural Polytechnic Institute imeni S.M. Kirov). There are 2 Soviet references.

SUBMITTED: October 30, 1958

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

28002
S/194/61/000/004/049/052
D201/D302

6 7110

AUTHOR: Krukovskiy-Sinevich, K.B.

TITLE: Application of synchronous filters in radiotelegraphy

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 4, 1961, 10-11, abstract 4 K82 (Tr. Ural'skogo politekhn. in-ta, 1959, vol. 79, 184-191)

TEXT: An analysis is given of the effects which the instability of keying frequency, the instability of commutation of the filter and the non-linearity of FM have on the operation of radio-receiving installations having a synchronous filter СФ (SF) in front of the detector. The instability leads to a considerable decrease in the S/N ratio at the output of SF. The region of generalized detunings is determined, within which the S/N ratio remains higher than that at the output of a normal filter with constant parameters. The use of a SF is rational either if the stability of keying fre-

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28002
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D201/D302

Application of synchronous filters...

quencies is very high or if an effective AFC exists. Requirements have been established as to the time of frequency settling at the transmitter output. For S/N voltage ratios ≤ 5, the time of frequency settling should not exceed 0.12 T (T being the duration of the elementary information). Such a high rate of frequency change may be obtained with wide pass-bands of the transmitter as compared with 1/T. This takes place in multi-channel systems of radiotelegraphy, in which the suggested method of decreasing the differences in keying frequencies should be especially efficient. 3 references. [Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

25819
S/142/60/003/006/009/016
E033/E135

6,9200

AUTHOR: Krukovskiy-Sinevich, K.B.

TITLE: Optimum observation of a stationary random signal in the presence of stationary random interference

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1960, Vol.3, No.6, pp. 623-629

TEXT: The problem of optimum observation of a stationary random signal with a normal probability density distribution in the presence of normal stationary interference is examined. The usual correlation function is assumed both for the signal and interference. A solution is obtained for large observation time relative to the correlation times of the signal and of the interference. The signal is a normal stationary process with an m-dimensional probability density

$$W_c(x_1, \ldots x_m) = \frac{1}{(2\pi)^{m/2} \sqrt{D_c}\, \sigma_c^m} \exp\left\{ - \sum_{i=1}^{m} \sum_{j=1}^{m} \frac{D_{ijc}\, x_i x_j}{2 D_c \sigma_c^2} \right\}$$

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where σ_c^2 is the dispersion of the signal.

$$D_c = \begin{vmatrix} R_{11c} & \cdots & R_{1mc} \\ \cdots & \cdots & \cdots \\ R_{m1c} & \cdots & R_{mmc} \end{vmatrix} ;$$

$R_{ijc} = \frac{\overline{x_i\ x_j}}{\sigma_c^2}$ is the correlation coefficient of the signal.

D_{ijc} is the algebraic sum of the element R_{ijc}.

The interference is an analogous process:

$$W_\eta\ (x_1, \ldots x_m) = \frac{1}{(2\pi)^{m/2}\ \sqrt{D}\ \sigma_\eta^m} \exp\left\{ - \sum_{i=1}^{m} \sum_{j=1}^{m} \frac{D_{ij}\ x_i x_j}{2\ D\ \sigma_\eta^2} \right\}$$

where σ_η^2 is the dispersion of the interference;

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$$D = \begin{vmatrix} R_{11} & \cdots & R_{1m} \\ \cdots & \cdots & \cdots \\ R_{m1} & \cdots & R_{mm} \end{vmatrix};$$

$R_{ij} = \frac{\overline{x_i x_j}}{\sigma_\eta^2}$ is the correlation coefficient of the interference; D_{ij} is the algebraic sum of the element R_{ij}.

The signal and the interference are considered independent. The problem is to determine with the help of the m dimensions $x_1, \ldots x_m$ ($x_k = x(\tau_k)$) of the given actuality on the basis of the likelihood factor whether pure interference or signal plus interference is present. By likelihood factor is meant

$$N = \frac{W_{c\eta}(x_1, \ldots x_m)}{W_\eta(x_1, \ldots x_m)} \qquad (1)$$

(Ref.2: D. Middletone, "Statistical criteria for detection of pulsed carriers in noise", J. Appl. Phys., 1953, Vol.24, No.4)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

where $W_{\xi\eta}(x_1, \ldots x_m)$ is the distribution of the probability density of the signal and interference; $W_{\eta}(x_1, \ldots x_m)$ is the distribution of the probability density of the interference. When the likelihood factor exceeds some threshold value A, then a signal is present, i.e. $N > A$, the value of A depending on the concrete conditions of observation of the signal. When $N < A$, only interference is present. A receiver which employs the above processing is termed an optimum receiver. Substituting in Eq.(1) the expressions for the probability density functions and rearranging, the following expression is obtained:

$$y = \frac{1}{\sigma_\eta^2} \sum_i \sum_j \left[\frac{D_{ij}}{D} - \frac{D'_{ij}}{D'(1 + \alpha^2)} \right] \qquad (2)$$

where:

$$y = 2 \ln N \frac{\sigma_\eta^m}{\sigma^m} \sqrt{\frac{D'}{D}} ;$$

D' is the determinant of the correlation coefficients of the signal plus interference. In what follows, y is taken as the

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25819
Optimum observation of a stationary S/142/60/003/006/009/016
E033/E135

likelihood ratio instead of Eq.(1). The mean value of y is deduced in the Appendix. The probability of erroneous response is next considered for small signals and large total observation time. The analysis enables an expression to be obtained for the dispersion at the output of an optimum receiver when the input is pure interference, for the increase of dispersion at the output and for the increase in the mean value of the dispersion at the output when a signal occurs. Thus the probability of false alarm and of non-detection of a signal and also the total probability of observation of a signal may be determined. The results are applied to a simplified apparatus previously described by the author (Ref.4: Izv. vyzov SSSR - Radiotekhnika, 1952, Vol.2, No.1, 94), and which used an optimum filter before and after a square-law detector. Academician B.V. Gnedenko advised in this work. There are 5 references: 4 Soviet and 1 English. The English language reference is as quoted above.

ASSOCIATION: Kafedra Kiyevskogo instituta grazhdanskogo vozdushnogo flota (Department of the Kiev Institute of Civil Aviation)

Card 5/5

SUBMITTED: December 19 1959, and after revision May 5 1960

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOVSKIY-SINEVICH, K.V.; MALYAREVSKIY, N.M.

Some special features of the detection of signals reflected from moving objects. Izv. vys. ucheb. zav.; radiotekh. 5 no.4:523-527 Jl-Ag '62. (MIRA 16:6)

1. Rekomendovano kafedroy teoreticheskikh osnov radiotekhniki Kiyevskogo instituta Grazhdanskogo vozdushnogo flota.
(Radio) (Information theory)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

ACCESSION NR: AP4012365 S/0142/63/006/006/0677/0682

AUTHORS: Krukovskiy-Sinevich, K. B.; Malyarevskiy, N. M.

TITLE: Concerning the interference immunity of monopulse ranging systems with frequency modulation

SOURCE: IVUZ. Radiotekhnika, v. 6, no. 6, 1963, 677-682

TOPIC TAGS: radar, range radar, fm range radar, radar noise, fluctuation noise, optimal passband, signal to noise ratio, interference immunity, optimal bandwidth, chirp radar, monopulse radar, passband, bandwidth

ABSTRACT: Conditions are considered under which maximum signal to noise ratio is obtained in a monopulse FM range measuring system in which fluctuation noise is produced by reflection from randomly distributed point reflectors. It is assumed that the pulse duration and the frequency deviation are such that the output signal bandwidth is constant in the first approximation. It is shown that the

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ACCESSION NR: AP4012365

optimal passbands of the filter in the case of fluctuation noise and in the case of random reflections are equal under most conditions. The interference immunity of the system decreases with increasing rate of change of the radiated signal in the case of fluctuation noise and increases in the case of random reflection noise. An optimal passband is determined for the case when both types of noise are present, and is found to be independent of the velocity of the reflecting object. The results of the analysis are applicable also to repeated sounding pulses, provided their duration is much shorter than the repetition period. Orig. art. has: 2 figures and 12 formulas.

ASSOCIATION: Kiyevskiy institut grazhdanskogo vozdushnogo flota (Kiev Institute of the Civil Air Fleet)

SUBMITTED: 14Nov62 DATE ACQ: 14Feb64 ENCL: 00

SUB CODE: CO, CG NO REF SOV: 002 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

[illegible] EEC-2/EWT(1)/EFC(t)/FSF(t) [illegible] Fm-4/Fn-4/Pac-4 WR

AUTHOR: Krukovskiy-Sinevich, K. B., Malyarevskiy, N. M.

42
40
B

[illegible] Nonlinear frequency variation in an FM radar

[illegible] Radiotekhnika, v. [illegible]

[illegible] FM radar, FM ranging

ABSTRACT: The effect of nonlinearity on signal detection in the presence of smooth fluctuation noise in the receiver is mathematically [illegible] frequency in a linear FM ranging system [illegible] where the quadratic term [illegible] assumed to be essentially greater [illegible] and [illegible] max [illegible] echo delay [illegible] variation [illegible] FM depends [illegible]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

L 25755-65
ACCESSION NR: AP5002043

[illegible] derived for the optimal filter passbar[illegible] the [illegible] the receiver [illegible]

[illegible] 16Mar63

[illegible] NO REF [illegible]

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

[illegible]

[illegible] 6589 [illegible]

AUTHOR: Malyarevskiy, N. M.; Krukovskiy-Sinevich, K. [illegible]; Lazebnyy, V. S.

[illegible] a [illegible] system [illegible] caused

[illegible] Radiotekhnika, v. 7, [illegible]

[illegible] noise immunity, target detection [illegible]

[illegible] further development [illegible]

[illegible] signal-to-noise ratio at the [illegible] output [illegible] as a [illegible] noise immunity. These conclusions are [illegible] The optimal [illegible] with noise caused by both the [illegible] from fast-

[illegible]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

L 2095-65

ACCESSION NR AP5006589

[illegible] and the fluctuations is largely determined by the characteristics of [illegible]

ASSOCIATION: none

SUBMITTED: 07Mar63 ENCL: 00 SUB CODE: EC, DC

[illegible] 2 OTHER: [illegible]

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

EED-2/EEO-2/EWT(1)/EEC(t) Pi-4 Pi-4 Pk-4 Pm-4 Pm-4/Pac-4 WR

ACCESSION NR: AP5006595 S/0142/64 [illegible] 6/0742/0743

[illegible] Krukovskiy-Sinevich, K. B. Malyarevskiy, [illegible]

[illegible] detection of signals reflected by moving targets

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 6, 1964, 742-743

TOPIC TAGS: signal detection, signal reflection, moving target

[illegible] This is an addition to earlier published authors' articles [illegible] at variance with the detection of signals reflected by a fixed body, the [illegible] of a coherent detector system increases with the duration of [illegible] signals only to a certain limit which depends on $\Delta\alpha$ and signal parameters. $\Delta\alpha = \frac{\Delta v}{c}$ is the error in the time scale of the coherent-detector reference voltage with respect to the time scale of the received signal. Further [illegible] in pulse duration will, at best, leave the noise immunity unchanged [illegible] has: 2 formulas.

ASSOCIATION: none

SUBMITTED: 16Mar63 ENCL: 00 SUB CODE: EC, DC

NO REF SOV: 004 OTHER: 000

Card 1/1

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

[illegible]

[illegible] time compression of low frequency [illegible] No. [illegible]

[illegible] Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 34

TOPIC TAGS: low frequency analyzer, data sampling

[illegible] This Author Certificate presents a method for time compression of low [illegible] The method is based on the [illegible] transmitted information [illegible] accordance with the theorem of Kotel[illegible] [illegible] accelerate [illegible] To increase the [illegible] samples from [illegible] frequency detection.

ASSOCIATION: none

SUBMITTED: 05Nov62 ENCL: 00 SUB CODE: EC, DP

NO REF SOV: 000 OTHER: 000

Card 1/1 [illegible]

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

L 10276-66 EWT(d)/FBD/FSS-2/EWT(1)/EEC(k)-2/EWA(d)/T-2/EWA(c) BC/WR
ACC NR: AP5026864 SOURCE CODE: UR/0108/65/020/011/0058/0062

AUTHOR: Krukovskiy-Sinevich K. B. (Active member)

ORG: Scientific and Technical Society of Radio Engineering and Electrocommunication (Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Noise rejection in a quasi-optimal speed-averaged detection system

SOURCE: Radiotekhnika, v. 20, no. 11, 1965, 58-62

TOPIC TAGS: signal noise separation, radar detection

ABSTRACT: The noise rejection is theoretically considered in a quasi-optimal multichannel speed-averaged radar detection system which uses square-law detectors instead of exponential; the latter substitution facilitates mathematical analysis. It is found that: (1) Unlike the simple coherent method of reception of signals reflected by a moving target, the speed-averaged system permits infinite

Card 1/2 UDC: 621.396

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

L 10276-66

ACC NR: AP5026864

enhancing noise rejection by increasing signal duration without changing its intensity; (2) With high speed resolution, the output c/n ratio is proportional only to the square of signal duration (c is the wave-propagation speed, n is the number of channels); (3) With low speed resolution, c/n is proportional to the signal duration and materially depends on the speed resolution; (4) In the latter case, the optimal noise rejection (for a simple pulse) can be realized in a single-channel filter-detector-filter system. Orig. art. has: 3 figures and 19 formulas.

SUB CODE: 17 / SUBM DATE: 10Oct63 / ORIG REF: 004

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWA, Anna

Case of bullous erysipelas and of desquamative dermatitis in a newborn premature infant. Pediat.polska 30 no.5:481-483 May 855.

1. Z Kliniki Niemowlecej Instytutu Matki i Dziecka w Warszawie. Dyrektor Instytut: prof. dr Med. Fr. Groer. Kierownik Kliniki doc. dr med. I. Bielicka, Warszawa, Kasprzaka 17, IM i DZ.

(ERYSIPELAS, in infant and child,
newborn premature, with desquamative dermatitis)
(DERMATITIS,
desquamative, in newborn premature, with bullous erysipelas)
(INFANT, PREMATURE, diseases,
dermatitis, desquamative, with bullous erysipelas)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

BIELICKA, Izabela; KONOPNICKA-ŁĘCZYŃSKA, Barbara; KRUKOWA, Anna

Clinical observations of previable infants. Pediat. polska 32 no.7: 783-790 July 57.

1. Z Oddzialu Wczesniakow Instytutu Matki i Dziecka w Warszawie Dyrektor Instytutu: prof. dr. med. Fr Groer. Kierownik Oddzialu: doc. dr med. I Bielicka. Adres: Warszawa, ul. Kasprzaka 17, Instytut Matk Dziecka.

(INFANT, PREMATURE
previable, physiopathol. (Pol))

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

BERGER, M.; KRUKOWA, A.; NIEWIAROWSKI, S.

Congenital hypoplastic thrombocytopenia associated with antihemophilic globulin deficiency (factor VIII). Polski tygod. lek. 16 no.21:803-806 22 My '61.

1. Z Pracowni Hematologicznej; kierownik: prof. dr Wl. Lewkowicz i Oddziału Niemowlecego; p.o. kierownika: k.n.m. dr H. Hofman, Instytutu Matki i Dziecka w Warszawie; dyrektor: prof. dr Fr. Groer oraz z Poradni dla chorych na hemofilie; kierownik: dr S. Niewiarowski przy Instytucie Hematologii w Warszawie; dyrektor Instytutu: doc. dr A. Trojanowski.

(THROMBOPENIA in infancy & childhood)
(INFANT, NEWBORN dis)
(HEMORRHAGIC DIATHESIS in infancy & childhood)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

BOGUMIL-OCZKOWSKA, M.; KRUKOWA, A.

Corrected vascular transposition. Kardiol. pol. 6 no.2:129-134 '63.

1. Z Zakladu Anatomii Patologicznej Kierownik: dr K. Borowiczowa Z Oddzialu Niemowlecego Kierownik: dr H. Hofman i z Zakladu Fizjopatologii Instytutu Matki i Dziecka w Warszawie Kierownik: doc. dr A. Chroscicki.
(HEART DEFECTS, CONGENITAL)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

BIELOWICZ, A.; BOGUMIŁ-OCZKOWSKA, Maria; KRUKOWA, Anna; ZAKRZEWSKI, T.

Combined congenital cardiac defects with rectal atresia. Ped. Pol. 40 no.1:91-94 Ja '65

1. Z Kliniki Chirurgicznej (Kierownik: prof. dr. med. W. Poradowska); z Zakładu Fizjopatologii (Kierownik: d. med. J. Świderski); z Kliniki Niemowlęcej (p.o. Kierownik : dr. med. H. Hofman); z Zakładu Rentgenodiagnostyki -(Kierownik: doc. dr. med. S. Kubicz) oraz z Zakładu Anatomii Patologicznej (Kierownik: dr. med. K. Borowicz) Instytutu Matki i Dziecka w Warszawie (Dyrektor: prof. dr. med. B.Gorniski).

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KOKOCIŃSKA, Irena; KRUKOWA, Maria

Evaluation of dried feces specimens for bacteriological tests. Przegl. epidem. 18 no.1:123-125 '64.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Poznaniu (Dyrektor Stacji: doc. dr. med. S. Grzymała).

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KHIKOLICZ, A,

Investigation of a rational design for a valve dam. p. 50.
WIADOMOSCI SLUZBY HYDROLOGICZNEJ I METOROLOGICZNEJ. Warszawa.
Vol. 5, No. 2, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 11, August 1956

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

3897

Krakowiecki W. Relationship between Specific Weight and Ash Content and between Ash Content and the Calorific Value of Coal.

„Zależność między ciężarem właściwym węgli a zawartością w nich popiołu oraz między zawartością popiołu a wartością opałową". Górnictwo. No. 1. Kraków, 1951, PWN, pp. 115—127, 4 figs, 4 tabs.

The influence of mineral and carbon substance in coal on its specific weight. Determination of the relationship between ash content and specific weight of coal and that between its calorific value and ash content. Calculation of constant parameters which characterize various kinds of coal, and which prove helpful, possibly, in identifying coal seams. The conclusions reached are as follows: 1) On the basis of analyses of many kinds of coal from the Upper-Silesian Basin it appears that the ash content is inversely proportional, in a linear relationship, to the mean specific weight of fractions, divided in the usual manner in heavy liquids, though this is true only in the case of specific weights higher than 1.35; 2) there is also a linear relationship, true for all cases, between the ash content of fractions and the calorific value of coal; 3) it appears from the above that to obtain values characteristic of a certain seam it is quite sufficient to select in heavy liquids two — or, for control, three — fractions markedly different as to their specific weights — e.g. fractions with specific weight of 1.35 — 1.40 and 1.45 — 1.50 — and to test them separately for ash content and calorific value. If in order the better to characterize the seam, the specific weight of ash both in the heavy fractions and the lightest fraction selected in the mean seam sample, should also be defined. It is not impossible that in the latter case the specific weight of ash will not be the same as in the former. 5) for comparing various results, the method once chosen and checked should be used and accepted as a standard.

GP

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

SLOPEK, Stefan; MULCZYK, Marian; LACHOWICZ, Tadeusz; KRUKOWSKA, Alina

Studies on the antigenic structure of shigella sonnei. Arch.immun. ter.dosw. 8 no.4:593-605 '60.

1. Department of Bacteriology, Department of Microbial Genetics, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.

(SHIGELLA immunol)

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SURNAME, Given Names

4

Country: Poland

Academic Degrees:

Affiliation:

Source: Warsaw, Postepy Higieny i Medycyny Doswiadczalnej, Vol XV, No 1 1961, p. 369.

Data: "Studies on the Antigenic Structure of Shigella Sonnei." English abstract of original /English/ article, published in Arch. Immunol i Terapii Dosw, 1960, 8, 593.

Authors:
SLOPEK, Stefan, Prof. Dr., Director of the Ludwik Hirszfeld Ins of Immunology and Experimental Therapy (Instytut Immunologii Terapii Doswiadczalnej im. Ludwika Hirszfelda), Polish Academ Sciences (PAN--Polska Akademia Nauk), Wroclaw.
MULCZYK, N.
LACHOWICZ, T. M.
KRUKOWSKA, A.

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KRUKOWSKA, Anna

Amyloidosis in the material of the Department of Pathology of the Institute of Tuberculosis in Warsaw observed during the period 1945-1962. Gruzlica 32 no.2:127-130 F'64

1. Z Zakladu Patologii Instytutu Gruzlicy; Kierownik: prof. dr. med. S.Chodkowska.

*

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GROER, F.; KRUKOWSKA, H.; HALIKOWSKI, B.; PASZKOWSKA, A.; PIECZONKA, B.

Concept of bronchial scrofuloid; preliminary communication. Gruzlica, Warsz. 19 no.6:734-746 Nov-Dec 51. (CLML 21:5)

1. Of the Pediatric Department of the Institute of Tuberculosis located in Sanatorium imienia Marchlewski of the National Complex of Tuberculosis Sanatoria in Otwock.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

GROER, F;KRUKOWSKA, H;PIECZONKA, B.

Side effects of penicillin in pulmonary tuberculosis in children. Gruzlica, Warsz. 20 no. 2:207-214 Mar-Apr 1952. (CLML 22:3)

1. Of the Pediatric Department at the Sanatorium imienia Marchlewski in Otwock of the Institute of Tuberculosis (Director--Prof. J. Misiewicz, M. D.).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUŁKOWSKA, H.; HARASIEWICZ, S.

Streptomycin in the treatment of tuberculosis in children; streptomycin therapy of primary and postprimary pulmonary tuberculosis not including miliary tuberculosis. Gruzlica 20 no. 6:801-815 Nov-Dec 1952.
(CLML 24:2)

1. Of the Pediatric Department (Head--Prof. F. Groer, M.D.) of the Institute of Tuberculosis at the Sanatorium imienia Marchlewski in Otwock.

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KRUKOWSKA, H.; HARASIEWICZ, S.

Streptomycin in the treatment of tuberculosis in children; streptomycin in the treatment of miliary tuberculosis. Gruslica 20 no. 6:817-820 Nov-Dec 1952. (CIML 24:2)

1. Of the Pediatric Department (Head--Prof. F. Groer, M.D.) of the Institute of Tuberculosis at the Sanatorium imienia Marchlewski in Otwock.

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KRUKOWSKA, Helena; PASZKOWSKA, Anna; JANISZEWSKA, Maria; HARASIAWICZ, Stefan; SZELAGOWSKA, Henryka, Otwock

Analysis of home environment of children treated at the Marchlewski sanatorium in Otwock in 1952/1953. Gruzlica 22 no.10:732-744 Oct 54.

1. Z Oddzialu Pediatrycznego Instytutu Gruzlicy, Kierownik: prof. dr. Fr.Groer

(TUBERCULOSIS, in infant and child
home environmental factors in etiol.)
(ENVIRONMENT
in etiol. of tuberc. of child.)

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KRUKOWSKA, H.

70th Birthday of phthisiologist-pediatrician Franciszek Groer. Gruzlica 25 no.5:351-355 May 57.
(BIOGRAPHIES
Groer, Franciszek (Pol))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKA, Helena

Lower and middle lobe syndrome. Gruzlica 25 no.5:397-403 May 57.

1. Z Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich i z Oddzialu Dziecicego Instytutu Gruzlicy w Otwocku Kierownik: prof dr F. Groer Dyrektor: prof. dr J. Misiewicz.
(TUBERCULOSIS, PULMONARY, compl.
simultaneous cirrhosis of lower & middle lobe in child. (Pol))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKA, Helena (Otwock, ul. Korczaka 5.)

Treatment of tuberculosis of infants & small children. Gruzlica 25 no.5:405-417 May 57.

1. Z Oddzialu Dziecicego Instytutu Gruzlicy Kierownik: prof. dr F. Groer Dyrektor Instytutu: prof. dr J. Misiewicz.
(TUBERCULOSIS, in inf. & child
ther. (Pol))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

HALIKOWSKI, Boguslaw; KRUKOWSKA, Helena

Instruction on the prevention and treatment of tuberculosis in children with antimicrobial drugs. Gruzlica 25 no.5:419-422 May 57.
(TUBERCULOSIS, in inf. & child
prev. & ther. (Pol))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKA, Helena b. starsza asystentka

Prof. Dr. Ksawery Lewkowicz. Pediat. polska 34 no.2:117-120 Feb 59.

1. Kliniki Pediatrycznej Uniwersytetu Jagiellonskiego.
(OBITUARIES,
Lewkowicz, Ksawery (Pol))

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KRUKOWSKA, Helena

Use of hormones of the adrenal cortex in the treatment of tuberculosis in children. Gruzlica 29 no.1:84-87 Ja '61.

1. Instytut Gruzlicy na Otwock.

(ADRENAL CORTEX HORMONES ther)
(TUBERCULOSIS PULMONARY ther)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKA, Helena

Problem of bronchitis in tuberculous children. Gruzlica 29 no.7: 639-646 Jl '61.

1. Z Oddzialu Pediatryeznego Instytutu Gruzlicy Kierownik: prof. dr med. F. Groer Dyrektor: prof. dr med. W. Jaroszewicz.

(TUBERCULOSIS PULMONARY in inf & child)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKA, Helena; PASZKOWSKA, Anna; KRUSZEWSKA, Wanda

Attempted therapy of tuberculosis in children with ethionamide (Th-1314). Gruzlica 30 no.7:627-640 '62.

1. Z Oddziału Pediatrycznego Instytutu Gruzlicy Dyrektor: prof. dr med. W. Jarosszewicz i z Sanatorium im. J. Marchlewskiego w Otwocku Kierownik naukowy: prof. dr med. F. Groer Dyrektor sanatorium: dr K. Stec-Kryszkiewicz.
(ETHIONAMIDE) (TUBERCULOSIS IN CHILDHOOD)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKA, Helena

Pulmonary resection in children aged from 1 to 6 years of age. Gruzlica 31 no.9:973-980 '63.

1. Z Oddzialu Pediatrycznego Instytutu Gruzlicy i z Sanatorium im. J. Marchlewskiego w Otwocku Kierownik: doc. dr H. Krukowska.
(PNEUMONECTOMY) (TUBERCULOSIS, PULMONARY)
(TUBERCULOSIS IN CHILDHOOD)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKA, Helena, doc. dr.; PASZKOWSKA, Anna; KRUSZEWSKA, Wanda; ZEBROWSKA, Halina; MEISSNER, Janina

Antibacterial treatment as a factor in the epidemiology and control of tuberculosis in children. Gruzlica 33 no.3:235-240 Mr'65.

1. Z Osrodka Problemowego Instytutu Gruzlicy w Sanatorium im. J. Marchlewskiego w Otwocku (Kierownik: doc. dr. H. Krukowska).

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KRUKOWSKA, Helena; JANISZEWSKA, Maria; STEC-KRYSZKIEWICZ, Krystyna; PEKSYK, Stanislaw

Bronchial changes in lymph node-pulmonary tuberculosis requiring several bronchoscopies. Gruslica 33 no.8:643-647 Ag '65.

1. Z Zespolu Problemowego Instyty Gruslicy w Otwocku (Kierownik: doc. dr. H. Krukowska) i z Sanatorium im. J. Marchlowskiego w Otwocku (Dyrektor: dr. K. Stec-Kryszkiewicz).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

ZUKOWSKI, Kazimierz; KRUKOWSKA, K.

Myiosis of the eye in a child due to the larva of Hypoderma bovis (De Geer). Wiad. parazyt. 11 no.5:497-498 '65.

1. Zaklad Parazytologii Lekarskiej Panstwowego Zakladu Higieny i Szpital Dzieciecy Nr. 1, Warszawa.

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KRUKOWSKA-FULDE, Barbara

Transformations of disodium phosphite in the solid phase. Rocz chemii 35 no.5:1203-1210 '61.

1. Department of Inorganic Chemistry, Institute of Technology, Warsaw.

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KRUKOWSKI, K.

~~KAZIMIERZ KRUKOWSKI~~

POLAND / Chemical Technology, Chemical Products and Their Application. Part 3 - Food Industry. H-27

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12899.

Author : Kazimierz Krukowski.

Inst : Not given

Title : Butter Ferment.

Orig Pub : Przegl. mleczarski, 1956, 4, No 7, 7 - 8.

Abstract : Data concerning ferment deterioration in consequence of contamination with yeast, mold, bacteria of the intestinal group, micrococci and, in the fall and winter seasons, by spore producing bacilli are presented. A considerable percentage among them is bacteria producing antibiotic substances, which are not destroyed at pasteurization and destroy pure fermen-

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POLAND / Chemical Technology, Chemical Products and Their Application. Part 3 - Food Industry. H-27

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12899.

Abstract : tation cultures. But these bacteria curdle milk well and may find some application in the dairy industry.

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKI, S.

Rydno; a prehistoric mine of hematite. Przegl geol 9 no.4:190-192 '61. (EEAI 10:9)

(Hematite)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KRUKOWSKI, T.

Secondary emission from impregnated cathodes. Przem Inst elektron prace 5 no.1:3-11 '64.

1. Department of Emission Testing of the Industrial Institute of Electronics, Warsaw. Submitted February 4, 1964.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

KIWKOWSKI, WLODZIMIERZ.

Prace. (Redaktor naczelny: Hilary Dziewulski. Wyd. 1.) Warszawa, Panstwowe Wydawn. Naukowe, 1956.

P. 845 (Works. 1st ed. illus., ports., diagrs., facsims., tables)

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

H

POLAND/Chemical Technology. Chemical Products and Their Application. Synthetic Polymers. Plastics.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 45114.

Author : Krukowski Zdzislaw.
Inst :
Title : Gluing of Wood with Adhesive AG.

Orig Pub: Technik drzewn , 1957, No 6, 177-181

Abstract: Description of the preparation, properties, and use of phenolformaldehyde adhesive AG for the gluing of wood. Gluing is effected at 20° and a pressure of 2-4 kg/cm^2. Duration of setting of the adhesive is of 3-4 days. The resulting bonded joints are of high mechanical strength, and are resistant to the action of water, fungi and bacteria

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BUCKI, Leslaw; GRUIN, Irma; KRUKOWSKI, Zdzislaw

Properties of epoxy glues modified with polyvinyl acetals.
Polimery tworz wielk 8 no.1:23-29 Ja '63.

1. Instytut Lotnictwa, Warszawa.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

SUCHARA, Jan, inz.; KRUKOWSKI, Zenon, inz.

Method of joining aluminum to aluminum or to copper. Energetyka Pol 14 no.8:244-245 Ag '60.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826720010-5

BEL'GOL'SKIY, Boris Petrovich; KRUKSAL', Mark Semenovich; STAROSEL'SKIY, Anatoliy Lazarevich; KAZANTSEV, Ye.I., redaktor; ANDREYEV, S.P., tekhnicheskiy redaktor

[Senior welders' work experience with pit furnaces] Opyt raboty starshikh svarshchikov nagrevatel'nykh kolodtsev. Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi tsvetnoi metallurgii, 1954. 48 p. (MLRA 8:7)
(Welding) (Metallurgical furnaces)

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