"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHEVA, T.A.; SAMOSATSKIY, N.N.

Characteristics of the extrusion of pipes made from low pressure polyethylene. Plast.massy no.8:23-29 '62. (MIRA 15:7)
(Pipe, Plastic) (Polyethylene)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

D'YAKOVA, M.K.; DAVTYAN, N.A.; ZHAROVA, M.N.; AVRAMENKO, V.I.; KARANDASHEVA, V.M.

Obtaining solvents from naphthalene-containing industrial oils. Koks i khim. no.10:40-43 '62. (MIRA 16:9)

1. Institut goryuchikh iskopayemykh AN SSSR.
(Coke industry—By-products) (Solvents)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHEVA, Ye. F.

USSR/Chemistry - Platinum
Chemistry - Isomers

Nov 48

"Obtaining ($NH_3C_5H_5NClBrPt$) in the Form of Three Expanded Isomers," A. D. Gel'man, Ye. F. Karandasheva, L. N. Essen, Inst of Gen and Inorg Chem imeni N. S. Kurnakov, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 1

Studied problem of obtaining three expanded isomers of a complex compound of bivalent platinum with the most typical intrasphere substitutes (pyridine, ammonia, chlorine, bromine), using I. I. Chernyayev's law. Analyzed trans- and cis-isomers and tabulated the properties of the three isomers. Submitted by Acad I. I. Chernyayev 26 Jun 48.

[redacted]

61/49T17

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOVA E F

Production of chlorobromo[illegible]
its three [illegible]

[illegible]
or VI [illegible]
ml C_6H_5 [illegible]
HC [illegible]
the ppt. until the nitrate is free of Cl. Heat the nitrate with HCl and repeat the preceding operations. Combine the 2 ppts. recrystallize III [illegible]
CaCl [illegible]
ml of H_2O [illegible]
in a dark [illegible]

[illegible]

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

[illegible] H_2O 0.184 g [illegible]

prox. 200°, forms $\left[\begin{matrix}\text{Thio} & & \\ & \text{Pt} & \\ \text{Thio} & & \text{Thio}\end{matrix}\right]$ [illegible] yellow

fine-cryst., n_γ 1.776, n_β 1.782, n_α 1.635, solv. in H_2O 0.145 X_1/100 g. of soln., decomposes approx. 165°, forms

$$\left[\begin{matrix}\text{Thio} & & \text{Thio} \\ & \text{Pt} & \\ \text{Thio} & & \text{Thio}\end{matrix}\right] X_1.$$

M. Hoveh

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

CA 6

Preparation of the three spatial isomers of platinum chloroiodopyridinoammine. A. D. Gel'man and E. F. Karandashova. *Doklady Adak. Nauk S.S.S.R.* 78, 477-80(1951).—By Chernyaev's rules, synthesis of the trans isomer (T) of $[ClINH_3pyPt]$ ($py = C_5H_5N$) should be feasible through $\left[\begin{matrix}Cl\\py\end{matrix}Pt\begin{matrix}NH_3\\Cl\end{matrix}\right] + KI \rightarrow \left[\begin{matrix}Cl\\py\end{matrix}Pt\begin{matrix}NH_3\\I\end{matrix}\right] + KCl$; the cis(I) isomer (CI) should be obtained through $NH_4\left[\begin{matrix}NH_3\\Cl\end{matrix}Pt\begin{matrix}Cl\\Cl\end{matrix}\right] \xrightarrow{KI} NH_4\left[\begin{matrix}NH_3\\Cl\end{matrix}Pt\begin{matrix}I\\Cl\end{matrix}\right] \xrightarrow{py} \left[\begin{matrix}NH_3\\py\end{matrix}Pt\begin{matrix}I\\Cl\end{matrix}\right]$; and the cis (II) isomer (CII) through $K\left[\begin{matrix}Cl\\py\end{matrix}Pt\begin{matrix}Cl\\Cl\end{matrix}\right] \xrightarrow{KI} K\left[\begin{matrix}Cl\\py\end{matrix}Pt\begin{matrix}Cl\\I\end{matrix}\right] \xrightarrow{NH_3} \left[\begin{matrix}NH_3\\py\end{matrix}Pt\begin{matrix}Cl\\I\end{matrix}\right]$. These theoretically predicted paths of synthesis were confirmed experimentally. Reaction between trans-$[pyNH_3Cl_2Pt]$, 0.3-1.0 g., in suspension in 25-75 ml. H_2O, and KI (in 1% excess over the mol. ratio) gave, on 1/2 hr.'s stirring, yellow-orange prisms of T. A 0.2-1.2-g. sample of $NH_4[PtNH_3Cl_3]$ in 10-50 ml. hot alc., with the calcd. amt. of KI, changed from golden yellow to dark yellow; dropwise addn. of the calcd. amt. of *py* gave lemon-yellow fine needles of CI. Addn. of the calcd. amt. of KI to $K[pyPtCl_3]$ in hot alc. soln., followed by dropwise addn. of 20% NH_4OH, gave yellow needles of CII. The properties of T, CI, and CII, are: refractive indexes, $n_1 > 1.782$, $n_2 = 1.76$; $n_1 > 1.782$, $n_2 = 1.718$; and $n_1 > 1.782$, $n_2 = 1.720$; soly. in H_2O at 20°, 0.018, 0.024, and 0.022 g./100 g. soln.; decompn. temp. on heating in a capillary in air, 210, 190, and 170°; reaction with $CS(NH_3)_2$ (*th*) produces, resp., $\left[\begin{matrix}py\\th\end{matrix}Pt\begin{matrix}th\\NH_3\end{matrix}\right]X_2$ (snow-white), $[Pt\ th_3]X_2$ (yellow), and $[Pt\ th_4]X_2$ (yellow).

N. Thon

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

1. GEL'MAN, A. D. and KARANDASHOVA, Ye. F.

2. USSR (600)

4. Platinum Organic Compounds

7. Reaction of triacidoaminoplatinates of potassium $K[PtNH_3Cl_2X]$ with pyridine, Dokl.AN SSSR 87 No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHEVA, E. F.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 22 - 24/51

Authors : Zvyagintsev, O. E., and Karandasheva, E. F.

Title : About the trans-activity of certain intra-spheral substitutes in complex divalent Pt compounds

Periodical : Dok. AN SSSR 101/1, 93-95, Mar 1, 1955

Abstract : Experiments were conducted to determine the kinetics of the formation of cisdiamines of divalent platinum from triacidomonoamino potassium platoates and the trans-activity of intra-spheral substitutes in the complex divalent Pt compounds. The constants of the reaction rate were computed according to a formula intended for reactions of the second order. The time of the semireaction period was found to be inversely proportional to the initial concentration which is also characteristic of the second line reaction. The experimental results obtained during four bimolecular reactions are tabulated. Five USSR references (1927-1954). Tables.

Institution : Acad. of Sc., USSR, The N. S. Kurnakov Institute of Gen. and Inorg. Chem.

Presented by : Academician I. I. Chernyaev, September 24, 1954

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHEVA, Ye. F.

USSR/ Inorganic Chemistry. Complex Compounds C.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11468

Author : Zvyagintsev O.Ye., Karandasheva Ye.F.
Inst : Academy of Sciences USSR
Title : Concerning Quantitative Characteristics of Trans-Effect in Complex Compounds of Tetravalent Platinum

Orig Pub : Dokl. AN SSSR, 1956, 108, No 3, 477-480

Abstract : Studied was the kinetics of halogen replacement by C_5H_5N in compounds of Pt(4+). Objects of investigation were triamines $[(NH_3)_3PtCl_2X]$ Cl, $[EnPt\text{-}NH_3NO_2ClX]$ Cl and salts of Blomstrand type $[(NH_3NO_2)_2PtClX]$, where X -- Cl, Br, NO_2. In all instances the reactions take place only on coordinate Cl - Pt - Cl (Br) or Cl - Pt - NO_2. All reactions are bimoleculer. Data obtained show that replacement of Cl by Br causes increase of velocity constant k in the case of $[(NH_3)_3PtClBrCl]$ Cl and $[(NH_3NO_2)_2PtBrCl]$ almost by 3 times, and in the case of $[EnPtNH_3NO_2BrCl]$ by 2.3

1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KISELEV, I.I.; BORISOV, N.I.; YASINOVSKIY, B.S., inzh.; SANNIKOV, Yu.K., inzh.; SOKOLOV, V.A., inzh.; LEVCHENKO, L.L., inzh.; NALOYEV, G.A., inzh.; CHICHAKOV, K.K., inzh.; BARYKIN, V.I., inzh.; FREYDLIN, A.Ya., inzh. GULYAYEV, A.I., inzh.; STIGNEYEV, Ya.F., inzh.; SHAGANOVA, K.N., inzh.; KHELIMSKIY, I.Ye., inzh.; AVROV, A.N., inzh.; DEMIDOVA, M.I., inzh.; NIKIFOROVA, Ye.D., inzh.; KLIBANOVA, F.I., inzh.; CHIVKUNOV, K.I., inzh.; STOROZHKO, I.G., inzh.; NOVAKOVSKIY, Ye.Ia., inzh.; GOYKHTUL', A.O., inzh.; TARASOV, A.M., inzh.; SHISHKO, A.P., inzh.; UVAROV, P.T., ekonomist; DRAGUNOV, M.V., ekonomist; KARANDASHOV, A.A., ekonomist; KONKIN, M.V., ekonomist; GOREV, M.S., ekonomist. Prinimali uchastiye: LAPIN, T.I.; RAMENSKIY, Yu.A.; KADINSKIY, B.A.; SOKOLOV, S.D.; STOROZHKO, I.G.; FOMINYKH, A.I.. POLYAKOVA, N., red.; SMIRNOV, G., tekhn.red.

[Organization and improvement of production; practices of the Gorkiy Automobile Plant] Organizatsiia i sovershenstvovanie proizvodstva; opyt Gor'kovskogo avtozavoda. Moskva, Gos. izd-vo polit. lit-ry, 1958. 332 p. (MIRA 12:2)

1. Direktor Gor'kovskogo avtomobil'nogo zavoda (for Kiselev).
2. Glavnyy inzhener Gor'kovskogo avtomobil'nogo zavoda (for Borisov).
3. Gor'kovskiy avtomobil'nyy zavod (for all except Kiselev, Borisov, Polyakova, Smirnov).

(Gorkiy--Automobile industry)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOV, B. S., starshiy nauchnyy sotrudnik

Investigating the reliability of boiler air preheaters on the steamer "Leninskii Komsomol." Inform.sbor.TSNIIMF no. 87 Tekh.ekspl. mor. flota no. 20:43-56 '62. (MIRA 17:5)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOV, B.S.

Analysis of causes of corrosion and methods of increasing the reliability of heating surface tail ends in steam boilers burning sulfurous mazut. Inform. sbor. TSNIIMF no.69 Tekh. ekspl. mor. flota no.12:13-33 '61. (MIRA 16:3)

(Boilers, Marine—Corrosion) (Mazut—Sulfur content)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOV, B.S.

Efficiency of liquid additives to boiler mazout. Trudy TSNIIMF 8 no.42:48-56 '62. (MIRA 16:1)
(Boilers, Marine) (Mazout)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOV, B.S., inzh.

Automatic gas analyzer. Biul.tekh.-ekon. inform. Tekh.upr.Min. mor.flota 7 no.10:28-32 '62. (MIRA 16:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut morskogo flota. (Boilers, Marine--Combustion) (Gases--Analysis)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOV, B.S.

Selecting a way of preheating and type of air preheater for marine steam boilers. Inform. sbor. TSNIIMF no.105 Tekh. ekspl. mor. flota. 28:80-107 '64. (MIRA 18:7)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

S/133/60/000/011/020/023
A054/A029

AUTHORS: Kovalevskaya, Z.V., Candidate of Technical Science, Karandashov, P.I., Kachanov, V.P., Engineers

TITLE: Cooling Rate of Thick-Walled Cylindrical Billets

PERIODICAL: Stal', 1960, No. 11, pp. 1038-1041

TEXT: The billets for large-sized thick-walled cylindrical products can have sufficiently uniform properties crosswise and lengthwise only if they are hardened thoroughly which depends primarily on the composition of the metal and on its cooling rate. In order to determine the cooling rate of billets made of 38ХН4МФ(38 KhN4MF) type steel, the test products were first heated up to 850-860°C in a vertical oil furnace and kept there until the temperature was uniform in the whole cross section of the wall. Cooling was effected by water, oil and air. Six thermocouples were arranged at 20,110,30 and 125 mm from the external surface and two at 20 and 30 mm from the inner channel. By reference to the test results the cooling rates for billets with 250 mm inside diameter and 170 mm and 200 mm wall-thickness, respectively, in the temperature ranges (in °C) 400-375, 375-350, 350-325, 325-300, 300-275 and 275-250 were determined for cooling in water, oil and air. The cooling rate

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

S/133/60/000/011/020/023
A054/A029

Cooling Rate of Thick-Walled Cylindrical Billets

is, of course, highest in water. In the 325-300°C range for 170 mm wall-thickness, for instance, the cooling rate in water is 0.21°C/sec, in oil 0.066°C/sec and in air 0.0095°C/sec. By comparing the cooling curves plotted for the thick-walled billets in various cooling media with the results of dilatometric and magnetometric analyses it was possible to determine the temperature, at which the austenite transformation in the middle of the wall started. The results for 170 mm and 200 mm thick walls were as follows: (in °C)

	Air	Oil	Water
170 mm wall-thickness	380	320	285
200 mm wall-thickness	390	340	325

With the aid of the corrected version of K.K.Klaptsov's nomogram (Ref.1) it is possible to define the time required for cooling in water to a given temperature the middle part of the wall (170-200 mm thick) of cylindrical billets made of 38 KhN3MF and 38KhN4MF type steels. For a wall-thickness of 200 mm it takes 37 minutes, for 170 mm 27.5 minutes to cool down to 300°C, according to the Klaptsov nomogram. The cooling time in oil and air can be defined only

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

Cooling Rate of Thick-Walled Cylindrical Billets S/133/60/000/011/020/023
A054/A029

experimentally. The great difference in temperature between the external surface and the middle part of the wall at tempering indicates that in order to obtain a temperature of about 300°C in the middle part of the wall required for the decomposition of austenite in the 38KhN4MF type steels, a very thorough re-cooling of the surface zone to about 200°C is necessary. In addition to the above-mentioned factors allowance should be made for the weight of the charge in calculating the duration of heat treatment. The Klaptsov nomogram is discussed in Metallurg , 1932, No. 10-11. There are 8 figures, 1 table and 1 Soviet reference.

Card 3/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOV, S.A.

OSKOLOV, Il'ya Nikolayevich; SOKOLOV, Fedor Fedorovich; YAKOBSON, A.Kh. redaktor; KARANDASHOV, S.A., redaktor; CHICHERIN, A.N., tekhnicheskiy redaktor.

[Selenium rectifiers] Selenovye vypriamiteli. Moskva, Gos.izd-vo "Iskusstvo," 1955. 95 p. (MLRA 8:11)
(Electric current rectifiers)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

VYDREVICH, B.I.; KARANDASHOV, Yu.I.; GAVRILIN, L.F.; BLIZNYUK, V.A.; KOL'TSOV, M.M.; YAVNILOVICH, Ya.A.; FROLOVA, L.A.; MOSYAKOV, Yu.F.

[Metal products for industrial use; a handbook] Metalloizdeliia promyshlennogo naznacheniia; spravochnik. Pod red. E.A.IAvnilovicha. Moskva, Metallurgiia, 1966. 727 p. (MIRA 19:1)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

VELIKANOV, K.M.; KARANDASHOVA, K.S.

Practice in classifying metal-cutting tools; for calculating the economic efficiency of part machining. Trudy LIP no.227:79-86 '63. (MIRA 17:4)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOVA, K.S.

Economic efficiency of equipment modernization. Trudy LIP no.227: 113-117 '63. (MIRA 17:4)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASHOVA, K.S.

Determining the economic efficiency of the mechanization of molding in the casting industry. Trudy LPI no.186:52-56 '56. (MLRA 10:7)

(Efficiency, Industrial) (Molding (Founding))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

VELIKANOV, Karp Mironovich. Prinimali uchastiye: BARNASHEVA, G.K.; GOLDOBIN, M.A.; ZOLOTUKHINA, G.A.; KARANDASHOVA, K.S.; OL'KHOV, G.A.; SAVINA, V.N.; FAYERMAN, A.I. SKRELIN, V.I., insh., retsenzent; NIKIFOROV, A.F., dotsent, red.; BORODULINA, I.A., red.izd-va; SPERANSKAYA, O.V., tekhn.red.

[Determining the economic efficiency of various methods for machining parts] Opredelenie ekonomicheskoi effektivnosti variantov mekhanicheskoi obrabotki detalei. Moskva, Mashgiz, 1961. 211 p. (MIRA 14:12)

(Metal cutting)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

L 62790-65

ACCESSION NR: AP5018263

UR/0108/65/020/007/0057/0066

621.317.772

AUTHOR: Tsvetnov, V. V.; Karandasov, V. I.

TITLE: Fluctuation errors of correlometers

SOURCE: Radiotekhnika, v. 20, no. 7, 1965, 57-66

TOPIC TAGS: correlometer, correlometer error

ABSTRACT: Two structural types of correlometers are considered: Type 1, intended for searching purposes, displays on a scope the cross correlation function $R_{\xi\eta}(\tau)$ of two random signals $\xi(t)$ and $\eta(t)$; this type includes a sawtooth [illegible] a delay line, a function multiplier, and an averaging filter. [illegible] in addition, a differentiator (which adds time-discrimination characteristics [illegible] a servo; this type can operate as a tracking device. The fluctuation errors of the type 1 correlometer are analyzed by considering the passage of a pulse signal and nonstationary noise through the filter; the signal energy spectrum, at the function-multiplier output, is examined separately. The mean square fluctuation error is given by:

$$\sigma_{\tau_0} = K_0 \Delta t \approx \frac{K_0 \Delta t_s}{\sqrt{q_0}} = \frac{K_0}{2\Delta F_k \sqrt{q_0}}, \quad (q_0 \geqslant 5 \div 10).$$

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ACCESSION NR: AP5018263

where k_0 = 0.1—0.2 is a proportionality factor and $2\Delta F$ is the double effective width of the cross energy spectrum which corresponds to the cross correlation function of the input signals. Analysis of the fluctuation errors [illegible] correlometer results in two formulas describing the errors due to the [illegible] randomness and to the noncorrelated noise. A comparison of both [illegible] [illegible] signal filter acts as a [illegible] [illegible] is such [illegible] has: 6 figures and 36 formulas.

ASSOCIATION: none

SUBMITTED: 25Dec62 ENCL: 00 SUB CODE: [illegible]

NO REF SOV: 003 OTHER: 003 ATD PRESS: [illegible]

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDASOVA, O.S.

Effect of the thermal factor on various phases in the development of the apple tree. Izv. AN Turk. SSR. Ser. biol. nauk no.2:70-71 '64. (MIRA 17:6)

1. Institut botaniki AN Turkmenskoy SSR.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

SALCHINKIN, A.P.; ARESTENKO, A.P.; KARANDASHOVA, R.A.

Furan compounds as a potential source for obtaining fumaric acid. Zhur.prikl.khim. 37 no.1:223-225 Ja '64. (MIRA 17:2)

1. Kubanskiy sel'skokhozyaystvennyy institut.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

39704
S/142/62/005/002/007/019
E192/E382

6.4739

AUTHOR: Karandasov, V.I.

TITLE: Two models of the Doppler signal in path-velocity Doppler measuring sets

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 5, no. 2, 1962, 208 - 215

TEXT: In describing the Doppler frequency spectra in path-velocity measuring sets the signal can be represented as an ensemble of sinusoidal components (sinusoidal model of the Doppler signal) and as an ensemble of pulse components (pulse model) which is nearer to the physical phenomena encountered in the formation of Doppler frequencies. The envelope of the pulse can be approximated, in the pulse model, by a number of steps. The analysis is based on a planar model (Fig. 3), where a narrow irradiated area consisting of reflecting elements ΔS is considered. It is assumed that the change in the Doppler frequencies is linear, which is valid for narrow-beam directional antennae. The transmitting and receiving antennae are assumed to be identical and have a Gaussian directional

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

pattern $e^{-p^2(\Theta - \Theta_o)^2}$ where Θ is the angle between the vertical and the direction towards the area element ΔS. The changes in the power reflected by ΔS can be approximately expressed by:

$$\Delta P(\Theta) = \left[a - b(\Theta - \Theta_o) \right]^2 e^{-2p^2(\Theta - \Theta_o)^2} \Delta S \qquad (3)$$

where a and b are constants. The frequency for the sinusoidal model can be described by:

$$f = \frac{2v}{\lambda} \sin \Theta \qquad (4).$$

The expression for the energy spectrum of the Doppler signal for the model is derived and this is employed to determine the spectral bandwidth Δf and the shift of the spectrum δf relative to the mean frequency f_o. Thus the quantities are

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

expressed by

$$\Delta f = \sqrt{\frac{\pi}{2}}\,\frac{c}{p}\left(1 + \frac{b^2}{4a^2p^2}\right), \qquad (11)$$

$$\delta f = -\frac{2abc}{4a^2p^2 + b^2}. \qquad (12)$$

In the case of the pulse model the calculations leading to evaluation of the power spectrum are much more complex than for the sinusoidal model but the final formulae for Δf and δf are identical with Eqs. (11) and (12). The formation of the spectrum of a Doppler signal reflected from a narrow strip situated along the propagation path can thus be described adequately by the sinusoidal modle, which is much simpler than the pulse model which is in better agreement with physical reality. There are 3 figures.

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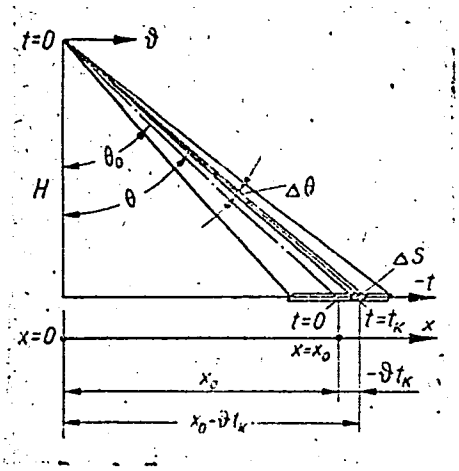
S/142/62/005/002/007/019
E192/E382

Two models of ....

ASSOCIATION: Kafedra Moskovskogo ordena Lenina aviatsionnogo instituta im. Sergo Ordzhonikidze (Department of Moscow Order of Lenin Aviation Institute im. Sergo Ordzhonikidze)

SUBMITTED: July 5, 1960

Fig. 3:



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KARANDASOV, V.I.

Two models of a Doppler signal in Doppler path speed meters. Izv. vys. uchebn. zav.; radiotekh. 5 no.2:208-215 Mr-Ap '62. (MIRA 15:7)

1. Rekomendovana kafedroy Moskovskogo ordena Lenina aviatsionnogo instituta imeni Sergo Ordzhonikidze.
(Radio) (Doppler effect)

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KORCHAGIN, V.A., kand. sel'skokhoz. nauk; KARANDAYEV, I.G.

Accumulation of moisture and weed control in early fall-plowed planed fields. Zemledelie 25 no.7:33-35 Jl '63. (MIRA 16:9)

1. Bezenchukskaya selektsionno-opytnaya stantsiya.
(Russia, Southern--Weed control)
(Russia, Southern--Soil moisture)
(Russia, Southern--Plowing

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, I.S.

Specificity of the spectrophotometric method of determining ethyl alcohol in the blood and urine of human corpses. Sud.-med. ekspert. 6 no.3:18-22 Jl-S'63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy institut sudebnoy meditsiny (dir. - prof. V.I.Prozorovskiy) Ministerstva zdravookhraneniya SSSR.
(SPECTROPHOTOMETRY) (ALCOHOL IN THE BODY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, I.S.

Angioneurotic circumscribed edema (Quinke's edema) in medical legal practice. Sud.-med. ekspert. 4 no.3:10-12 Jl-S '61. (MIRA 14:10)
(EDEMA) (DEATH--CAUSES)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, I.S.

Characteristics of wounds inflicted by a spear gun used in underwater spearfishing. Sud.-med. ekspert. 3 no.2:50-53 Ap-Je '60. (MIRA 18:6)

1. Byuro sudebnomeditsinskoy ekspertizy (nachal'nik L.S.Velisheva) Moskovskogo gorodskogo otdela zdravookhraneniya.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

ACC NR: AM6004772 Monograph

Karandeyev, Konstantin Borisovich; Karpyuk, Bogdan Vladimirovich; Kasperovich, Aleksandr Nikolayevich; Pushnoy, Boris Mikhaylovich; Rabinovich Vladimir Izraylevich; Sinitsyn, Boris Sergeyevich; Tverdokhleb, Petr YEmel'yanovich; TSapenko, Mikhail Petrovich

Electrical methods of automatic control (Elektricheskiye metody avtomaticheskogo kontrolya) Moscow, Izd-vo "Energiya", 1965. 383 p. illus., biblio. 10,000 copies printed

TOPIC TAGS: automatic control design, automatic control equipment, data processing

PURPOSE AND COVERAGE: The book, written by staff members of the Institute of Automation and Electrometry of the Siberian Department of the Academy of Sciences SSSR, deals with electric automatic control systems, their structure, and their principal elements and characteristics. The emphasis is on the relation between production quality control and automatic inspection of the manufactured products, and emphasizes statistical methods, automatization of various measurements, and the handling of the information and data generated by the automatic control devices. Different systems, components, and individual control and measurement equipment are also described. Chapter 1 was written by K. B. Karandeyev, B. V. Karpyuk, A. N. Kasperovich, V. I. Rabinovich, P. YE. Tverdokhleb, and M. P. TSapenko, Ch. 3 by V. I. Rabinovich and M. P. TSapenko, Ch. 4 by B. S. Sinitsyn, Chs. 5 and 6 mainly by B. V. Karpyuk, Chs. 7 and 8 by A. N. Kasperovich, Ch. 9 by B. M. Pushnoy, Chs. 11 and 12 mainly by P. E. Tverdokhleb, and the appendix by B. V. Karpyuk. Authors thank the scientific workers

UDC: 621.317

Card 1/3

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V. M. YEfimov and G. G. Matushkin who wrote the main material of Chs. 2 and 10 respectively; and also to the scientific staff members M. A. Rozov, G. A. SHtamberger, G. YE. YEremenchuk, YU. I. Baklanov, and others for supplying some data and for a discussion of individual problems considered in the book. They also thank L. YE. Pinchuk for participating in the preparation of the manuscript.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, N. B.; TSAPENKO, M. P.

"Mesure et cybernetique."

report submitted for 4th Intl Cong, Cybernetics, Namur, Belgium, 21-25 Oct 64.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.Ye.

Enlarged conference of the Presidium of the Academy of Medicine of the U.S.S.R. dedicated to the problem "Types of higher nervous function." Zhur.vys.nerv.deiat. 3 no.6:955-959 N-D '53. (MLRA 7:5)
(NERVOUS SYSTEM,
*higher nervous funct., conf. on typing)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.E.

USSR/Medicine - Morphology Sep/Oct 53

"Organization of a Committee on Morphology Within the Presidium of the Academy of Medical Sciences USSR and the Tasks of This Committee," S.E. Karandayev

Arkhiv Anat, Gist, i Embr, Vol 30, No 5, pp 85-86

The work of the Inst of Normal and Pathological Morphol, Acad Med Sci USSR, has been unsatisfactory. At a conference of leading morphologists of the USSR, held on 27 Dec 52, it was decided to appoint a committee to function within the framework of the Presidium of the Acad Med Sci USSR. This committee

273T35

is making preparations for the creation of a morphological inst within the Acad Med Sci USSR, which will coordinate the work of all agencies doing scientific research in morphology and pathomorphology and serve as a center for development of the principal problems in that field. The committee is contacting the morphological agencies of the Acad Sci USSR, the morphological labs of the sci-res insts, and the chairs of morphology of universities of the Min of Health USSR. The first meeting of the committee was held on 27 Mar 53 and a tentative plan of operation formulated.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S. YE.

USSR/Medicine - Regional Pathology, Conference FD-1773

Card 1/1 Pub 122-5/9

Author : Bondarenko, P. P., Professor and Karandayev, S. Ye., Can Med Sci

Title : Joint scientific session of the Academy of Medical Sciences USSR and the Ministry of Health Uzbek SSR, dedicated to the problems of regional pathology

Periodical : Vest. AMN SSSR, 1, 40-54, Jan/Mar, 1955

Abstract : A conference on regional pathology and medical parasitology, jointly sponsored by the Academy of Medical Sciences USSR and the Ministry of Health of the Uzbek SSR, was held in Tashkent on September 20-26 1954. About 50 active and corresponding members of the Academy of Medical Sciences USSR and scientists and physicians of Soviet Republics of Central Asia and Transcaucasus were in attendance. Polish People's Republic and Asian countries within and without the Soviet orbit sent their delegates in response to invitation of the Soviet government. It was reported that a reliable vaccine has been developed against Omsk hemmorrhagic fever and that an avirulent brucellar vaccine and dry live vaccine have proven effective in preventing brucellosis in cattle. It was also reported that vaccine against typhus fever has been manufactured in large quantities in the USSR. Vice-President of the Academy of Medical Sciences USSR who presided over the conference stated that "the Soviet medical scientists are under obligation to develop preventive measures against a number of diseases prevalent predominantly in the Republics of Central Asia."

Institution: --

Submitted:

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.Ye., dotsent

Physiological basis for the treatment of heart and vascular diseases at health resorts. Vest. AMN SSSR 11 no.2:72-77 '56. (MLRA 9:8)

(CARDIOVASCULAR SYSTEM--DISEASES)
(HEALTH RESORTS, WATERING PLACES, ETC.)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.Ye.

Research done by the Sukhumi Medical and Biological Station of the Academy of Medicine of the U.S.S.R.; from material of the out-of-town session of the Administration of the Department of Medical and Biological Sciences of the Academy of Medicine of the U.S.S.R., October 18-19, 1955. Vest.AMN SSSR 11 no.4: 88-91 '56. (MIRA 12:10)
(SUKHUMI--MONKEYS AS LABORATORY ANIMALS)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

SEVERIN, S.Ye., prof.; KARANDAYEV, S.Ye.

Work of the administration of the Department of Medical Biology of the Academy of Medicine in 1955. Vest.AMN SSSR 11 no.5: 76-80 '56. (MIRA 12:10)

1. Akademik-sekretar' Byuro Otdeleniya mediko-biologicheskikh nauk AMN SSSR (for Severin). 2. Uchenyy sekretar' Byuro Otdeleniya mediko-biologicheskikh nauk AMN SSSR (for Karandayav).
(MEDICAL RESEARCH)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.YE.

KARANDAYEV, S.Ye., kand.med.nauk

Problems in regional pathology in Eastern Siberia and the Far East. Vest.AMN SSSR 12 no.6:87-93 '57. (MIRA 11:2)
(SIBERIA, EASTERN--PATHOLOGY)
(SOVIET FAR EAST--PATHOLOGY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.Ye., kand.med.nauk

Some practical and organizational problems in the treatment of allergies. Vest. AMN SSSR 13 no.11:85-91 '58 (MIRA 11:12)
(ALLERGY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV S.YE

KARANDAYEV, S.Ye.

Development of normal anatomy in the U.S.S.R. during the period of the Soviet regime. Vest. AMN SSSR 13 no.1:42-51 '58. (MIRA 11:2)
(ANATOMY
in Russia)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.Ye.

Work of the Department of Medical and Biological Sciences of the Academy of Medical Sciences of the U.S.S.R. Vest.AMN SSSR 13:no.3:86-93 '58. (MIRA 11:4)

1. Uchenyy sekretar' otdeleniya mediko-biologicheskikh nauk AMN SSSR.
(ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.Ye.

Results of an enlarged session of the Administrative Office of the Division of Medical and Biological Sciences of the Academy of Medicine of the U.S.S.R. devoted to the 30th anniversary of the Sukhumi Medical and Biological Station. Vest.AMN SSSR 13 no.6:89-92 '58 (MIRA 11:7)

1. Uchenyy sekretar' Otdeleniya mediko-biologicheskikh nauk AMN SSSR.

(SUKHUMI--BIOLOGY, EXPERIMENTAL)

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KARANDAYEV, S.Ye., kand.med.nauk

Work of the administrative office of the Department of Medical and Biological Sciences of the Academy of Medicine of the U.S.S.R. during the past two years (May 1957 - May 1959). Vest.AMN SSSR 14 no.9:64-69 '59. (MIRA 13:1)

(ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R.)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEV, S.Ye. (Moskva, Kotel'nicheskaya nab., d.1/15, kv.291)

Brain stem fibers connecting the lenniscus with the pyramidal tract. Arkh. anat. gist. i embr. 36 no.4:76-77 Ap '59. (MIRA 12:7)

1. Laboratoriya anatomii (zav. - doktor med. nauk S. B. Dzugayeva) Instituta mozga AMN SSSR.
(BRAIN, anat. & histol.
brain stem fibers connecting lemniscus with pyramidal tract (Rus))

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KARANDAYEV, S.Ye., kand.med.nauk

Survey of doctoral dissertations accepted in 1957-1959 in the Learned Council of the Division of Medical and Biological Sciences of the Academy of Medical Sciences of the U.S.S.R. Vest. AMN SSSR 15 no.7:72-77 '60. (MIRA 13:11)

(MEDICINE)

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KARANDAYEV, S.Ye., kand.med.nauk

Survey of doctoral dissertations defended in 1958. Vest. AMN SSSR 15 no.9:72-76 '60. (MIRA 13:11)

1. Uchenyy Sovet otdeleniya mediko-biologicheskikh nauk AMN SSSR.
(PHYSIOLOGY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KRAYEVSKIY, N.A.; KARANDAYEV, S.Ye.

Work of the administration of the Department of Medical and Biological Sciences of the Soviet Academy of Medicine during the first half of 1960. Vest. AMN SSSR 15 no. 11:67-72 '60. (MIRA 13:12)

(ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R.)

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KARANDAYEV, S.Ye.

Survey of doctoral dissertations accepted in 1959. Vest. AMN SSSR 15 no. 11:82-86 '60. (MIRA 13:12)

(MEDICINE)

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KARANDAYEV, S.Ye.

Achievements of an out-of-town session of the Academy of Medical Sciences held in Tiflis. Vest.AMN SSSR 16 no.3:62-70 '61. (MIRA 14:7)

(HORMONES) (CARDIOVASCULAR SYSTEM—DISEASES)

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KARANDAYEV, S.Ye. (Moskva)

Causes of monstrosities and anomalies in the development of the central nervous system in man; survey of the literature. Zhur. nevr. i psikh. 62 no.5:775-782 '62. (MIRA 15:6)
(NERVOUS SYSTEM--ABNORMITIES AND DEFORMITIES)
(MONSTERS)

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SIROTININ, N.N., prof., red.; KARANDAYEVA, S.Ye., red.; USPENSKIY, V.I., red.; POGOSKINA, ~~M.V., tekhn. red.~~

[Problems of allergy] Voprosy allergii. Pod red. N.N.Sirotinina i S.E.Karandaeva. Moskva, Medgiz, 1961. 172 p. (MIRA 15:7)

1. Akademiya meditsinskikh nauk SSSR. Moscow. 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Sirotinin).
(ALLERGY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEVA, V.P.

Comparative nutritional value of rations from food concentrates.
Vop. pit. 20 no.4:52-57 Jl-Ag '61. (MIRA 14:7)

1. Iz otdela gigiyeny pitaniya (zav. - prof. A.I.Shtenberg) Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F.Erismana.
(FOOD, CONCENTRATED)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEVA, V.P.

Nutritive value of dehydrated meat. Kons. i ov. prom. 16 no.10:27-28 O '61. (MIRA 14:11)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny imeni F.F. Erismana.

(Meat, Dried)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDAYEVA, V.P.

Comparative nutritional value of meat dehydrated by thermal atmospheric dessication and by sublimation. Vop. pit. 22 no. 6:12-16 N-D '63. (MIRA 17:7)

1. Iz otdela gigiyeny pitaniya (nauchnyy rukovoditel' - prof. A.I. Shtenberg) Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F. Erismana.

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES

Ca

4

Measurement of small alternating-current voltages by means of cuprous oxide detectors. K. B. Karandeev. *J. Tech. Phys.* (U. S. S. R.) 2, 412-24(1932).—Cu_2O acts as a rectifier at as low as 10^{-4} v. F. H. Rathmann

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEIEW, K.

A 33

*3288. Measurement of Impedance. K. Karandeiew. *Techn. Phys., U.S.S.R.* 3. 3. *pp.* 240–254, 1936. *In German.*—The unknown impedance is placed in parallel with a known variable impedance, and the currents through the two are balanced by means of differential thermo-junctions. [See Abstract 2902 (1936).]

L. H.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

Sa

A 53
N

●4311. Rectifier Bridge for A.C. K. Karandejew. *Techn. Phys., U.S.S.R.* 2, 4, pp. 356-360, 1936. *In German.*—An arrangement of copper-oxide rectifiers is combined with a d.c. galvanometer as a detector in a simple bridge for the comparison of capacitances and of self-inductances at power frequencies. T. I. J.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

SA

B69

2357. Pointer Frequency Meter for Sound Waves. K. Karandejew, *Techn. Phys., U.S.S.R.*, 3, 4, pp. 361–365, 1936. *In English.*—A pointer frequency meter based on the measurement of the ratio of the currents in parallel circuits with active and reactive resistances by means of a d.c. log ohmmeter and cuprous oxide rectifiers is described. The frequency meter is applicable over a wide range of frequencies (to 20 kc.), the power demand is of the order of 0·01 W, the basic error about 0·2 %.

AUTHOR.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

5A

B66
f

1790. Null-Method for Measurement of Audio Frequencies.
K. Karandejew. *Techn. Phys., U.S.S.R.* 3, 1, pp. 51-64, 1936. *In German.*—Current of the frequency to be measured is passed through a non-inductive resistor, and a condenser (or inductance) in parallel. A thermojunction is included in each branch of the circuit and the p.d.s developed at the two junctions are balanced by means of a potentiometer device, the setting of which at balance is a function of the frequency. The arrangement may therefore be calebrated in terms of frequency. L. H.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

B 64
P

S.A.

2553. ON THE DEVELOPMENT OF MULTI*ARM BRIDGE NETWORKS. K.B. Karandeev. Elektrichestvo (11) 71-4 (Nov. 1940) in Russian

The author shows how any 6-arm bridge, e.g. Maxwell's bridge, may be considered as a 4-arm network in which a galvanometer has a universal shunt. The presence of this shunt should give the 6-arm range and flexibility and this is claimed to be borne out in practice. By this means, many bridgeworks in common use can be correlated and shown to form part of a coherent group. It is suggested that new types of bridges, not at present in use, may be logically evolved by generalizing the theory.

M. Birkett.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B. Prof.

Calorimeters and Calorimetry

Use of differential calorimeters in electric measurements. Nauk. zap. LPI no. 1, 1947.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K. B.

KARANDEYEV, K. B.

Shumilovskiy, N. N. defended his Doctor's dissertation in the Institute of Automatics and Telemechanics, Academy of Sciences USSR on 12 February 1948 for the academic degree of Doctor of Technical Sciences.

Dissertation: "Dampers in Measuring Systems".

Official Opponents: Profs. M. A. Gavrilov (Doctor of Technical Sciencs) and K. B. Karandeyev, and V. I. Kovalenkov, Corresp. Membr. Acd. of Sciences.

SO: Elektrichestvo, No. 7, Moscow, August 1953, pp 87-92 (W/29844, 16 Apr 54)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEEV, K. B. Prof.

23190 O klassifikatsii metodov elektricheskikh izmereniy. (S predis. red.) Elektrichestvo, 1949, No. 7, c. 51-54.

SO: LETOPIS' NO. 31, 1949.

Lvov Polytechnic Inst.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K. B.

"The Derivation of Multi-Arm Bridge Circuits," Elektrichestvo, No.11, 1949.

Prof., Polytech. Inst.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

USSR/Electricity - Measurements
Bridges

Jun 51

"Bridge Measuring Circuits," Prof K. B. Karandeyev, Z. I. Zelikovskiy, Engr, L'vov Polytech Inst

"Elektrichestvo" No 6, pp 59-64

Analyzes the methods of building bridge circuits (as a special case of the differential method), the characteristics of bridge members, and bridge circuits, determines fundamental classifying features and draws up a composite classification table. The proposed classification is of

200T17

USSR/Electricity - Measurements
(Contd)

Jun 51

practical interest since it facilitates choice of correct circuits in actual cases of measuring practice. Submitted 29 Jun 50.

200T17

KARANDEYEV, K.B. (Prof)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

USSR/Electricity - Conductors Jun 51

"Technical Requirements of Manganin Conductors," O. A. Andreyeva, Engr, Prof K. B. Karandeyev, V. A. Kochan, Engr, B. S. Sinitsyn, Cand Tech Sci, L'vov Polytech Institute

"Elektrichestvo" No 6, pp 67-69

Examines existing tech specifications for manganin conductors from the standpoint of modern elec-instrument building requirements. Suggests new criteria for detg the

200T19

USSR/Electricity - Conductors (Contd) Jun 51

stability and introduces a supplementary classification of manganin conductors with respect to temp coeff of resistance. Submitted 30 Nov 49.

200T19

KARANDEYEV, K.B. (Prof)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

PA 187T16

USSR/Electricity - Rectifier Schemes, Jan/Feb 51
Detectors

"Selecting a Hookup Scheme for Rectifiers in Detector Apparatus," K. K. Karandeyev, N. A. Babakova, L'vov Polytech Inst

"Avtomat i Telemekh," Vol XII, No 1, pp 68-81

Authors expound reasons for selecting rectification schemes in detector apparatus and procedure for detg optimum values of the parameters of these schemes. Three bridge schemes with 4 and 2 rectifiers are subjected to exptl analysis.

187T16

USSR/Electricity - Rectifier Schemes, Jan/Feb 51
Detectors (Contd)

Authors derive formulas for finding the order of values of optimum parameters. Submitted 24 Mar 49; resubmitted 18 Oct 50 after revision.

187T16

KARANDEYEV, K. K.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.V.

Electric Apparatus and Appliances

Effect of the rectification coefficient on the operation of detector instruments. Avtom. i telem. 12, no. 6, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; KUZ'MIN, S.M., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor

[Methods of electric measurement; differential, bridge and compensating] Metody elektricheskikh izmerenii; differentsial'nye, mostovye i kompensatsionnye. Moskva, Gos.energ.izd-vo, 1952. 335 p. (MLRA 10:10)
(Electric measurements)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K. B.

"Some Problems in the Analysis of Unbalanced Bridge Circuits," by K. B. Karandeyev and V. A. Petrovskiy, Avtomat i Telemakh, Vol 13, No 5, pp 536-544, Sep/Oct 52.

Derives all formulas necessary for analysis of a bridge (current in meter, sensitivity, nature of scale, etc.). Article covers only the case of a bridge with one variable arm but method can be extended to bridges with 2 or 4 variable arms. Submitted 7 Feb 52.

256T65

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; CHUMANCHENKO, T., redaktor; MINEVICH, I., tekhredaktor.

[Bridge method of measurement; theory and calculations of electric bridge measurement circuits] Mostovye metody izmerenii; teoriia i raschet elektroizmeritel'nykh mostovykh skhem. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1953. 245 p. [Microfilm] (MLRA 7:11)
(Electric measurements)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEEV, K. B., Prof.

Electric Engineering - Periodicals

For a better selection of articles, Elektrichestvo No. 1, 1953.

9. **Monthly List of Russian Accessions**, Library of Congress, May 1953. Unclassified.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

1. KARANDEEV, K.B.; (Prof.) SHVETSKIY, B.I.

2. USSR (600)

4. Electric Currents, Alternating

7. Problem of balancing alternating current bridges, Prof. K.B. Karandeev, Eng. B.I. Shvetskiy, Elek-trichestvo no. 4, 1953. pp 23-28

Formulates some basic concepts on balancing ac bridges, which concepts are essential in simplifying and speeding up balancing process. Constitution of indicators for separate balancing will make possible automatic-balancing ac bridges for measuring impedances. Submitted 6 Jan 52

258T25

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

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDYEYEV, K.B.; SHVETS'KYY, B.Y.; SAVIN, H.M., diysnyy chlen.

Problem of automatic alternating current bridges. Dop.AN URSR no.5:362-364 '53. (MLRA 6:10)

1. Akademiya nauk Ukrayins'koyi RSR (for Savin). 2. Instytut mashynoznavstva ta avtomatyky Akademiyi nauk Ukrayins'koyi RSR (for Karandyeyev and Shvets'kyy). (Electric resistance)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B., professor; SHRAMKOV, A.Ya., inshener.

Rectifying watt-meters. Elektrichestvo no.12:44-47 D '53. (MLRA 6:11)

1. L'vovskiy politekhnicheskiy institut. (Wattmeter)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

9(4,6) PHASE I BOOK EXPLOITATION SOV/1872

Karandeyev, Konstantin Borisovich

Poluprovodnikovyye vypryamiteli v izmeritel'noy tekhnike (Semiconductor Rectifiers Used in Measurement Techniques) Kiev, Akademiya nauk Ukrainskoy SSR, 1954. 229 p. 10,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR, Kiev. Redaktsionnoizdatel'skiy sovet.

Resp. Ed.: V.P. Sigorskiy, Candidate of Technical Sciences; Ed. Publishing House: M.S. Zil'ban; Tech. Ed.: N.P. Rakhlina.

PURPOSE: This book is intended for scientists, aspirants, and senior students of of electrical-engineering vuzes and departments for engineers and technicians working in the field of electric measurements.

COVERAGE: The book covers problems of theory, design, and operation of semiconductor rectifiers and all the main applications of these devices. The author explains the basic characteristics of copper-oxide rectifiers, discusses their connection diagrams, effect of temperature, frequency, and current and voltage

Card 1/7

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wave shape on the operation of rectifiers. He also discusses methods of compensating errors. Methods of measuring currents, voltage power, phase shift angles, capacitance and frequency are described. The author supplies technical and economic data on rectifiers and their development. He devotes much attention to the physical nature of phenomena occuring in semiconductor rectifiers and develops relatively simple engineering methods for designing them. It is stated that the contents of this book are mostly original work published for the first time, and further, that in the field of semiconductor rectifiers for measuring instruments, foreign authors have not published anything of real value and that only Soviet scientists have worked out theoretical and experimental bases for this type of rectifier. He refers to previously published works of Ya.S. Averbukh, L.I. Gutenmakher, K.B. Karandeyev, V.N. Lepeshinskaya, V.N. Mil'shteyn, A.D. Nesterenko, B.A. Ostroumov, and V.N. Rozhdstvenskiy. He thanks V.P. Sigorskiy, M.S. Zil'ban, F.B. Grinevich, O.A. Kyuzdeni, and Kh.V. Sillamaa. This book is a result of the author's 25 years of work in the field of rectifier devices. Under his supervision the following engineers have in recent years assisted in research: O.A. Andreyeva, N.A. Babakova, I.A. Zakhariy, V.A. Kochan, L.Ya. Mizyuk, B.S. Sinitsyn, and A.Ya. Shramkov. There are 132 references: 109 Soviet, 15 German, and 8 English.

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; GRINEVICH, F.B.

Basic euqtions for reconciling parameters of electric measurement instruments. Dop. AN URSR no.1:34-36 '54. (MIRA 8:4)

1. Institut mashinoznavstva ta avtomatiki AN URSR. Predstavleno deystvitel'nym chlenom Akademii nauk USSR G.N.Savinym.
(Electric measurements)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.

One method of compensating for frequency errors in rectifiers. Dop. AN URSR no.3:220-223 '54. (MIRA 8:4)

1. Institut mashinoznavstva ta avtomatiki AN URSR. Predstavleno deystvitel'nym chlenom Akademii nauk G.N.Savinym.
(Electric current rectifiers)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; MUZYUK, L.Ya.; PETROVSKIY, V.A.

Semibalanced bridges with phase-sensitive indicators. Nauch.zap. IMA L'viv fil. AN URSR. Ser. avtom. i izm. tekh.3 no.2:5-19 '54. (Electric resistance) (MLRA 8:11)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; ZAKHARIYA, I.A.

Analysis of high frequency magnetization processes in magnetic recorders. Nauch.zap. IMA. L'viv. fil. AN URSR. Ser. avtom. i izm. tekh.3 no.2:20-30 '54. (MLRA 8:11)
(Magnetic recorders and recording)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; SOGOLOVSKIY, Ye.P.

On the problem of measuring direct current low voltage. Dop. AN URSR no.4:296-299 '54. (MLRA 8:4)

1. Institut mashinoznavstva ta avtomatiki AN URSR. Predstavleno deystvitel'nym chlenom Akademii nauk USSR G.N.Savinym.
(Electric measurements)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

SIGORSKIY, Vitaliy Petrovich; LISENBART, D.K., redaktor; KARANDEYEV, K.B., zasluzhennyy deyatel' nauki i tekhniki USSR, professor, doktor tekhnicheskikh nauk, redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[General theory of quadrupoles] Obshchaia teoriia chetyrekhpoliusnika. Kiev, Izd-vo Akademii nauk USSR, 1955. 314 p.
(Electric circuits) (MLRA 9:3)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

SOV/112-57-6-12544

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 6, p 131 (USSR)

AUTHOR: Karandeyev, K. B., Grinevich, F. B., Sobolevskiy, K. M.

TITLE: Characteristics of a Bridge Circuit with Mutual Inductance Between Two Adjacent Arms (O svoystvakh odnoy skhemy mosta so vzaimnoy induktivnost'yu mezhdu dvumya sosednimi plechami)

PERIODICAL: Dokl. L'vovsk. politekhn. in-ta, 1955, Vol 1, Nr 2, pp 128-131

ABSTRACT: It is pointed out that a bridge circuit with strong inductive coupling between its ratio arms has a practically constant sensitivity for a wide range of arms ratios.

Z.I.Z.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

8 (2) SOV/112-57-5-10505

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 5, p 139 (USSR)

AUTHOR: Karandeyev, K. B., Sigorskiy, V. P., Sobolevskiy, K. M.

TITLE: Effect of a Resistance in the Supply-Source Diagonal on the Sensitivity of an AC Bridge (Vliyaniye soprotivleniya v diagonali istochnika pitaniya na chuvstvitel'nost' mosta peremennogo toka)

PERIODICAL: Dokl. L'vovsk. politekhn. in-ta, 1955, Vol 1, Nr 2, pp 132-135

ABSTRACT: It is pointed out that with an appropriate value of impedance connected in the supply-source diagonal, the bridge sensitivity remains practically constant for a wide range of arm ratios.

Z.I.Z.

Card 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.

112-3-6158

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3, p. 160 (USSR)

AUTHOR: Karandeyev, K. B., Klistorin, I. F.

TITLE: Temperature Compensation by Means of Heat-Sensitive Resistors (O temperaturnoy kompensatsii pri pomoshchi termozavisimykh soprotivleniy)

PERIODICAL: Dokl. L'vovsk. politekhn. in-ta, 1955, Vol. 1, Nr 2, pp. 136-141

ABSTRACT: A brief survey of the major properties of semiconductor thermal resistors - thermistors - is given. Design formulae, as well as certain experimental data characterizing the thermal operating conditions of thermistors used as circuit elements are presented.

M.A.K.

Card 1/1

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3, p. 161 (USSR) 112-3-6163

AUTHOR: Karandeyev, K. B., Kudel'ko, I. B.

TITLE: Design of Unbalanced Duplex Bridges (K raschetu neuravnoveshennykh dvoynykh mostov)

PERIODICAL: Dokl. L'vovsk. politekhn. in-ta, 1955, Vol. 1, Nr 2, pp. 158-164

ABSTRACT: The dependence of current in the indicator upon the variation of measured resistance with constant current in the resistance is analyzed. A nomogram for the graphic determination of current in the indicator is presented; the nomogram also characterizes the shape of the indicator scale. The operation of a bridge with a differential rheostatic transmitter is discussed. It is proved that in this case the dependence of the current in the indicator upon an equal but opposite variation of equal transmitter resistances is practically linear.

M.Kh.Sh.

Card 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.

KARANDEYEV, K.B.; SIGORS'KIY, V.P.

On a theorem of current variation. Dop. AN URSR no.3:245-248 '55.

1. Institut mashinoznanstva ta avtomatiki Akademii nauk URSR. Predstaviv diysniy chlen Akademii nauk URSR G.M.Savin
(Electric currents)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; MIZYUK, L.Ya.

Classification and properties of a.c. electronic indicators. Nauch. zap. IMA AN URSR. Ser. avtom. i izm. tekh. 4:5-27 '55. (Electronic instruments) (MLRA 10:8)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9

KARANDEYEV, K.B.; SHVETSKIY, B.I.

Design of a.c. balanced bridges. Nauch. zap. IMA AN URSR. Ser. avtom. i izm. tekh. 4:28-42 '55. (MLRA 10:8)
(Wheatstone bridge) (Electric instruments)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720610006-9"