

AVERKIYEV, A.S., red.; AGEYEV, Ya.P., dots., otv. red.; AREF'YEV, V.A., dots., kand. ekon. nauk, red.; DEMIDOV, S.F., akademik, red.; KARSHIN, V.Ye., dots., red.; KOGAN, A.Ya., starshiy prepodav., red.; MAKHALOV, V.I., starshiy prepodavatel', red.; PITAYEVSKIY, P.I., prof., red.; SLOBODIN, V.M., prof., red.; SHOLOKHOV, Ye.I., red.

[Problems in the new system of agricultural planning] Voprosy novogo poriadka planirovaniia sel'skogo khoziaistva; trudy. Kyibyshev, Kuibyshevskii planovoi in-t, 1961. 419 p. (MIRA 15:12)

1. Mezhyuzovskaya nauchnaya konferentsiya, Kuibyshev, 1960.
2. Zamestitel' predsedatelya Kuybyshevskoy oblastnoy komissii (for Averkiyev).
3. Kuybyshevskiy planovyy institut (for Ageyev, Makhalov, Karshin).
4. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina i Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya imeni K.A.Timiryazev (for Demidov).
5. Ural'skiy filial Akademii nauk SSSR (for Slobodin).
6. Zamestitel' nachal'nika otdela sel'skogo khozyaystva i zagotovok Gosudarstvennogo planovogo komiteta Soveta Ministrov RSFSR (for Sholokhov).

(Agricultural policy)

ALEKSANDER, K. [Alexander, Karl.F.]; AGEYEV, Ye.P. [translator]

Isotope separation by thermal diffusion in the liquid phase.

Usp.fiz.nauk 76 no.4:711-748 Ap '62.

(MIRA 15:7)

(Isotope separation)

SEMIOKHIN, I.A.; AGEYEV, Ye.P.; PANCHENKOV, G.M.; SMIRNOV, B.I.

Separation of oxygen isotopes by the thermodiffusion method.
Zhur. fiz. khim. 36 no.1:124-129 Ja '62. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.
(Oxygen--Isotopes) (Diffusion)

AGEYEV, YU.

AID P - 5514

Subject : USSR/Propaganda

Card 1/1 Pub. 58 - 5/17

Authors : Skoblikov, A., Yu. Ageyev, Yu. Shvachko, Yu. Sirotkin,
and V. Ushakov.

Title : The leading role of the members of the Young Communist
League.

Periodical : Kryl. rod., 2, 10-11, F 1957

Abstract : Five short propaganda articles emphasizing the role of
the Komsomol organizations and their members in kindling
the interest of the Soviet masses for the aviation and
aviation sports. 5 photos.

Institution : None

Submitted : No date

MESTECHKIN, Yu.; ESTRIN, M., inzh.; AGEYEV, Yu., inzh.

Plastics used in the machinery of grain-processing enterprises. Muk.-elev. prom. 26 no. 11:20-22 N '60.
(MIRA 13:11)

1. Starshiy inzhener Glavnaba Gosudarstvennogo komiteta Soveta Ministrov SSSR po khlebosnabzheniyu (for Mestechkin).
2. Spetsselevatormel'stroy (for Estrin, Ageyev).
(Grain--Handling machinery) (Plastics)
(Grain--Milling machinery)

AGEYEV, Yu.D.

Procedures in placing insulators should be changed. Avton. telen.
i sviaz' 8 no.1:41 Ja '64. (MIRA 17:3)

1. Nachal'nik stroitel'no-montazhnogo poyezda No.10 Vsesoyuznogo
tresta zavodov p proizvodstvu sredstv signalizatsii Glavmontazh-
stroya Ministerstva transportnogo stroitel'stva SSSR.

AGEYEVA, N.T.; KHUDAYBERGENOV, E.B.

Artemisia terrae albae H. Krasch in the Mangyshlak Peninsula. Izv.
AN Kaz.Ser.bot.i pochv. no.1:83-88 '62. (MIRA 15:5)
(Mangyshlak Peninsula—Wormwood)

AGEYEVA, N.T.

Ili Valley weeds. Trudy Inst. bot. AN Kazakh. SSR. 19:63-75 '64.
(MIRA 18:3)

ROGACHEVSKAYA, Z.M.; AGEYEVA, N.V., red.; MOSKVINA, R.Ya., red.;
PELEKH, M.A., tekhn. red.

[Constitutional diagrams of metal systems, published in 1959
(no.5)]Diagrammy sostoiania metallicheskih sistem, opubli-
kovannye v 1959 godu (vypusk V)[By]Z.M.Bogachevskaja. Pod
red. N.V.Ageeva. Moskva, Proizvodstvenno-izdatel'skii kombinat
VNITI, 1962. 165 p. (MIRA 16:2)
(Phase rule and equilibrium) (Metallography)

ROGACHEVSKAYA, Z.M.; AGEYEVA, N.V., red.; MOSKVINA, R.Ya., red.;
STEPANYUK, A.A., tekhn. red.

[Constitutional diagrams of metal systems published in
1961 (no.7)] Diagramy sostoiianiia metallicheskich sistem,
opublikovannye v 1961 godu (Vypusk 7) [By] Z.M.Rogachevskaya.
Pod red. N.V.Ageeva. Moskva, Proizvodstvenno-izdatel'skii
kombinat VINITI, 1963. 262 p. (MIRA 17:1)
(Alloys--Metallography)
(Phase rule and equilibrium)

DISKINA, B.S.; AGEYEVA, O.N.

Resistance of two configurational forms of deoxyribonucleic acid to deoxyribonuclease and the role of this factor in DNA synthesis in the virus-cell system. Biokhimiia 27 no.2:225-234 Mr-Apr '62.

(MIRA 15:8)

1. Nauchno-issledovatel'skiy institut virusnykh preparatov, Moskva.
(NUCLEIC ACIDS) (VIRUSES)

DILSKINA, B. S.; MIKHEYEVA, A. V.; KIIYASHKO, A. A.; AGEYEVA, O. N.

"Biosintez belka i nukleinovyykh kislot v nefraktsionirovannykh gonogenatakh razrushennykh kletok, inkubiruemykh s nukleinovymi komponentami virusov poliomielita i adenovirusa."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

AGEYEVA, S.N.; KHOKHLOVA, M.P.

Effect of trephonized serums on hematopoiesis in healthy and irradiated animals and on the course of experimentally transplanted leukemia. Probl. gemat. i perel. krovi 8. no.1&17-21 Ja '63. (MIRA 16&5)

1. Iz laboratorii eksperimental'noy terapii bolezney sistemy krovi (zav.-prof. N.M.Nemenova) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor-dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

(LEUKEMIA—PHYSIOLOGICAL EFFECT) (RADIATION)

(HEMOPOIETIC SYSTEM) (SERUM)

KREYMERMAN, A., inzh.; AGEYEVA, T., inzh.

Movable units for loading grain into railroad cars. Mak.-elev. prom.
26 no.10:16-18 0'60. (MIRA 13:10)

1. Vsesoyuznyy trest Spetselevatormel'stroy.
(Grain-handling machinery) (Loading and unloading)

DZHUMATAYEV, F.S.; SLOBODKIN, B.M.; AGEYEVA, T.F.

Lead removal from the copper pyrite product of the Belousovka
Plant. TSvet.met. 33 no.5:15-17 My '60. (MIRA 13:7)
(Belousovka--Ore dressing)
(Nonferrous metals)

GHEKANOV, N.S.; AGEYEVA, T.F.

Lowering degree of sphalerite activation during flotation of secondary enrichment zone copper zinc ores Comments on the article by V.A.Bocharov L.D.Kislyakov and Ye. A. Vershinin. TSvet. met. 38 no.4:90 Ap '65.
(MIRA 18:5)

POLYAKOV, M.M.; CHEKANOV, N.S.; AGEYEVA, T.F.; GROMOVA, V.A.

Seasonal fluctuation of technological indices for dressing complex
metal ores. TSvet.met. 38 no.3:13-16 Mr '65.

(MIRA 18:6)

GROMOVA, V.A.; ASEYEVA, T.F.

The Belousovka ore dressing plant. TSvet.met. 38 no.7:94-95 J1 '65.
(MIRA 1818)

AGEYVA, T.I. .

Postwar dynamics of rheumatic diseases (1946-55); data of the hospital
of the Tomsk Medical Institute. Terap. arkh. 30 no.12:83-86 D '58.

(MIRA 12:1)

1. Iz kafedry gosptal'noy taræ ii (zav. - prof. A.A. Kovalevskiy)
Tomskogo meditsinskogo instituta.

(RHEUMATISM, epidemiol.
hosp. data (Rus))

AGEYEVA, V.

Geography of excursions is expanding. Inform. biul. VDNKH
no.2:38 F '65. (MIRA 18:3)

1. Direktor pavil'ona "Myasnaya promyshlennost'" na Vystavke
dostizheniy narodnogo khozyaystva SSSR.

Ageyeva, V.A.

ZHATOV, I.V.; PETROV, A.A.; AGEYEVA, V.A.; UKHANOVA, V.A.; BOVVA, D.L., red.;
TYUTYAYEV, B.A., red.

[Novgorod Province during forty years of the Soviet regime, 1917-1957; a statistical manual] Novgorodskaya oblast' za 40 let Sovetskoi vlasti (1917-1957); statisticheskii sbornik. [Novgorod] Knizhnaya red. gazety "Novgorodskaya pravda," 1957. 501 p. (MIRA 11:3)

1. Novgorodskaya oblast'. Statisticheskoye upravleniye. 2. Nachal'-nik Novgorodskogo oblastnogo statisticheskogo upravleniya (for Bovva). 3. Novgorodskoye oblastnoye statisticheskoye upravleniye (for Zhatov, Petrov, Ageyeva, Ukhanova)
(Novgorod Province--Statistics)

AGEYEVA, V. A.

Physicochemical investigation of magnesium cement. N. S. Kurnakov, S. F. Zhemchuzhnuui and V. A. Ageeva. Zhur. Prikladnol Khim. 2, 651 61 (1929).- Cement contg. $MgCl_2$ has 3 setting periods as detd. from the heating curve due to boiling of the $MgCl_2$ soln. No compds. are formed. The 2nd period has a break due to dissoen. of $Mg(OH)_2$ and the 3rd period, a break due to formation of basic $MgCl_2$ or of a solid soln. of unknown compn. $Mg(OH)_2$ is probably present in cement in a finely divided form as indicated by its low dissoen. temp. At 150° vapors which are given off on heating cement contain H_2O ; above 400° , H_2O and HCl ; at 550° , H_2O , HCl and Cl_2 . The region of max. hardness is within the limits of the 3rd break on the heating curve.

V. KALICHEVSKY

PRECISION AND PROPERTY INDEX

BCEY EVN, V.H.

B-I-4

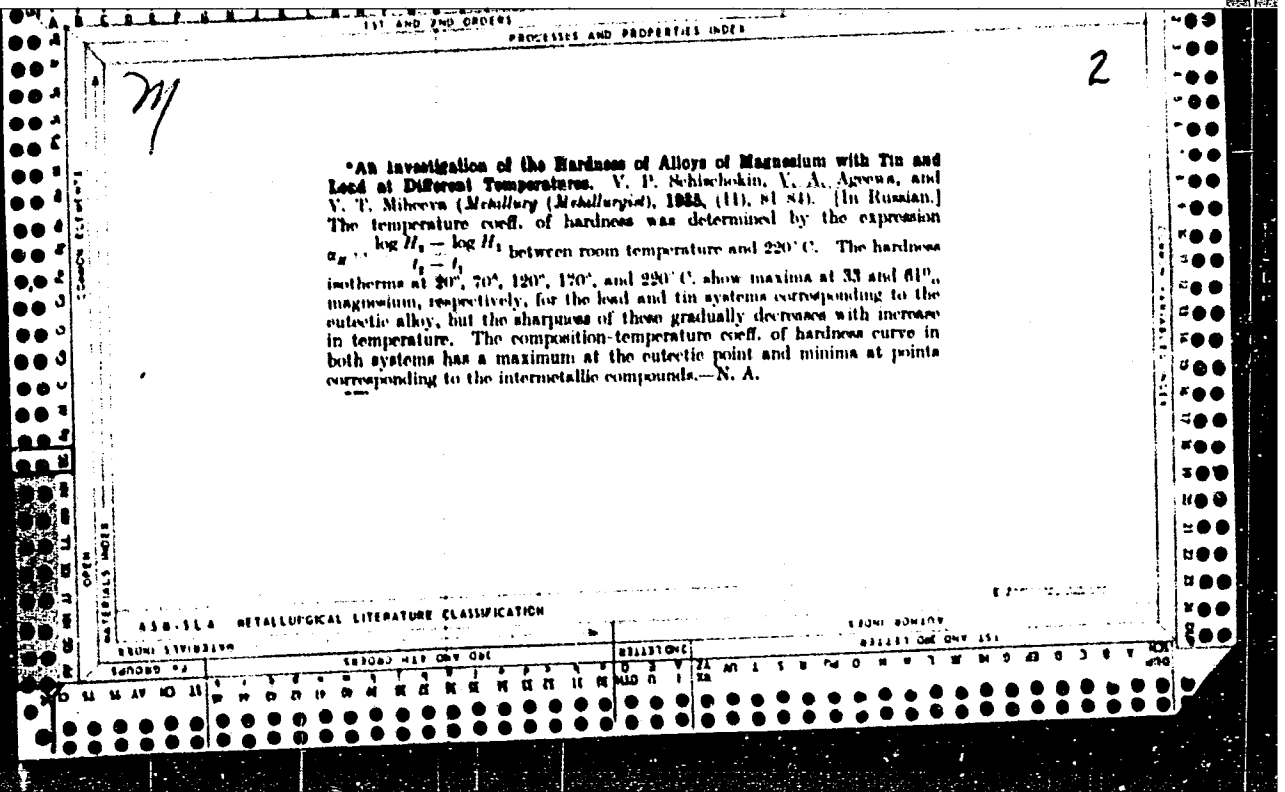
Common Elements: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Materials Index: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

ABR-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNONYMS: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

FROM SCIENCE: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



CA

117 ADD 2ND ORDER

118 AND 119 (ODDS)

PROCESSES AND PROPERTIES INDEX

9

Common Elements

Common Variable Index

Physicochemical study of the γ -phase of thallium-bismuth alloys. N. S. Kurnakov, V. A. Ageeva and N. V. Ageev. *Ann. inst. anal. phys.-chim.* (U. S. S. R.) 7, 49-58(1935); cf. 2 following abstr.- K., *et al.* (C. A. B. 1080) showed that the γ -phase of Tl-Bi alloys is a typical example of a chem. compd. of variable compn., to which Chikashige (C. A. 1, 488) ascribed the formula Bi_3Th . The nature of the γ -phase is here studied by the methods of elec. cond., microscopic examin. and x-ray analysis. The results confirm the chem. compn. of the γ -phase. It has a flat max. on the melting curve with 62.8% Bi, and includes a wide range of concns. from 55 to 65% Bi. The change of elec. cond. within the given limits of the γ -phase makes it impossible to det. the presence of singular points characteristic of phases of definite chem. compds. (cf. Smirnov and K., C. A. 5, 3048). The γ -phase is sep'd. from the adjacent phases by the eutectic mixts., and thus represents an independent individual phase. The x-ray structure of the γ -phase is similar to that of Bi. The atomic arrangement cannot be detd., because of the nearness to each other of the at. nos. of Tl and Bi. C. H.

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

RECH: STVIBBIV

117 ADD 2ND ORDER

118 AND 119 (ODDS)

Common Elements

Common Variable Index

117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH ORDERS

CA 9

Common Elements

Physicochemical study of alloys of thallium with bismuth and lead. N. S. Kurnakov and V. A. Agreva. *Dokl. Akad. Nauk SSSR* (U. S. S. R.) 7, 99 (1957); cf. preceding and following abstrs.; K., et al., *C. A. B.* 1080; K. and Korenev, *C. A. B.* 447. From thermal, microscopic and elec. cond. studies of the Pb-Tl-Bi alloys, the special nature of the γ -phase of Bi-Tl alloys was confirmed. The γ -phase is not a definite chem. compd. The regular changes of the elec. cond. within the γ -phase of the binary system of Bi-Tl as well as that of the ternary system in the presence of Pb show that the γ -phase is a typical example of a compd. of variable compn. capable of dissolving a considerable quantity of Pb (up to 20 atoms %) in the solid state. The flat character of the surface of liquidus and solidus field of γ -phase is also an indication of the chem. entity of a variable compn. The thermal max. of the γ -phase is shifted under the influence of Pb in the direction of pure Bi, which shows that γ -phase Pb cannot be considered as a binary system with a single point.

Chas. Blanc

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS

Common Elements

PHYSICAL AND CHEMICAL PROPERTIES INDEX

CH

Physicochemical study of alloys of thallium with bismuth and cadmium. N. S. Kurnakov and V. A. Ageeva. *Ing. Inst. anal. phys.-chim. (U. S. S. R.)* 7, 123-127 (1964), 2 preceding abstrs.—Exptl. evidence shows that Cd is incapable of dissolving in solid soln. the γ -phase of alloys of Tl-Bi. The configuration of the γ -phase field in the ternary system shows a shift of the thermal max. of the middle line between the 2 ternary eutectics. This relation confirms the absence of a single point for the γ -phase, a characteristic of a definite chem. compd. C. Blanc

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUPS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
--------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

METALS AND THE VARIOUS PROCESSES AND PROPERTIES INDEX

B-I-6

BC

Hardness of magnesium-tin and magnesium-lead alloys at various temperatures. V. P. SCHIMONKIN, V. A. ANANVA, and V. I. MICHKEVA (Metallurg, 1955, 10, No. 11, 81-84).—At 20–220° the hardness = $K\epsilon^a$, where a is the temp. coeff. of hardness. a is high for eutectic alloys and low for pure metals and intermetallic compounds. (Ch. Ann. (a))

ABS. 51A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

PROCESSES AND PROPERTIES INDEX

A-1

BC

Solid solutions of indium and lead. N. V. Agayev and V. A. Anisya (Trans. Leningrad Ind. Inst., 1958, No. 4, 26-31). Thermal and X-ray data are used in the construction of a modified diagram.

A. J. K.

A 58.51A METALLURGICAL LITERATURE CLASSIFICATION

GROUP

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00
---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

PROCESSES AND PROPERTIES INDEX

A-1

BC

Physico-chemical investigation of lead-bismuth alloys. N. S. KURVAKOV and V. A. AGREVA (Bull. Acad. Sci. U.R.S.S., 1937, Sér. Chém., 735-742; cf. A., 1937, I, 30).—The equilibrium diagram has been determined. The max. concn. of Pb in solid solution in Bi is 2%. A β -phase is formed by a peritectic reaction at 162° and in slowly cooled alloys exists over a concn. range of 65-70% Pb. It may be regarded as a solid solution of Bi in a hexagonal form of Pb unstable in the pure state, or as a solid solution in some compound, probably Pb_3Bi . The max. concn. of the solid solution of Bi in Pb is 20% Bi. R. C.

ASS. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

MATERIAL INDEX												AUTHOR INDEX											
GROUPS												LETTERS											
A	B	C	D	E	F	G	H	I	J	K	L	A	B	C	D	E	F	G	H	I	J	K	L

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

1

***The Effect of Temperature on the Rate of Hardening Coefficient.** V. P. Shishokin, V. A. Aggeya, and N. A. Vikhoreva (*Zhur. Tekhn. Fiziki*, 1940, 10, (6), 491-499).—(In Russian.) The rate of hardening coeff. is defined as n in the equation $H = aT^n$, which gives the hardness H as a function of the loading time T . The effect of temperature on the rate of hardening coeff.

was studied in the case of bismuth, lead, and tin, and the eutectic alloys in the systems bismuth-lead, bismuth-cadmium, bismuth-tin, lead-antimony, cadmium-zinc, lead-cadmium, and bismuth-lead-tin. The rate of hardening coeff. increases with increasing temperature and increasing load, particularly for the eutectic alloys. The relation between the temperature coeff. of hardness n , and the time of loading, T , is given by the function $T = K e^{Bn}$, where K and B are constants.—N.A.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

E2

COMMON ELEMENTS
MATERIALS INDEX

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

AGEYEVA, V. A.

Category : USSR/Solid State Physics - Mechanical properties of crystals and poly-crystalline compounds E-9

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1350

Author : Shishokin, V.P., Ageyeva, V.A.

Inst : Leningrad Polytechnic Inst., Leningrad Pedagogical Inst., USSR

Title : Concerning the Relationship Between the Hardness and the Composition of the Diluted Solid Solutions

Orig Pub : Fiz. metallov i metallovedeniye, 1956, 2, No 1, 176-180

Abstract : The loaded hardness of dilute solid solutions of Bi and Sn in Pb and of Hg in Cd were investigated at various temperatures and various speeds of loading. The hardness was measured with a Brinnel press using the impact method, the static method, a sphere, and a cone at various loading durations and using also the water-loading method. At low temperatures and at slow deformation rates, as observed in Pb-Bi and Pb-Sn alloys a gradual increase in hardness with increasing concentration of the solute solution. When the hardness is determined at an increased temperature and at slow deformation rates, the hardness has a maximum within the region where the solid exists. Cd-Hg alloys exhibit under all test conditions a reduction in hardness with increasing mercury concentration. It is proposed that

Card : 1/2

Category : USSR/Solid State Physics - Mechanical properties of crystals and poly- E-9
crystalline compounds

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1350

the value of the hardness depends on causes that act in opposite directions:
at low temperatures and at high deformation speeds the hardness is determined
primarily by lattice distortions, and at high temperatures and low loading
speeds it is determined primarily by polarization phenomena (mutual inter-
actions of the atoms).

Card : 2/2

А. Г. Е. Е. В. А.

Leningrad. Politechnicheskii Institut imeni M. I. Kalinina
 Metallovedeniye (Physical Metallurgy) Moscow, No. 13, 1959. 107 p.
 (Series: Itogi Nauki, v. 20) 2,200 copies printed.

Sponsoring Agency: Ministerstvo vysshego obrazovaniya SSSR.
 Resp. Ed.: V. S. Svirnov, Doctor of Technical Sciences, Professor.
 Ed.: O. A. Kashobenko, Professor, Tech. Ed.: L. V. Shchastnina
 Managing Ed. for Literature on the Design and Operation of Re-
 silient (Leningrad Division, No. 13): P. I. Fetisov, Engineer.

PURPOSE: This collection of articles is intended for engineers, technicians, and research workers in the fields of physical metallurgy and the heat treatment of metals.
CONTENTS: The papers in this collection contain the results of experimental work dealing with the study of constitution diagrams of metal systems, the nature of solid solutions, aging of complex alloys, processes occurring during the heating and cooling of alloys.

Card 1/3 and the thermochemical treatment of steel.
 Gonchar, V. M. Effect of Copper on the Aging of Aluminum Alloys With Magnesium and Zinc 63

The author presents results of an investigation of the aging of alloys of the systems Al-Mg-Zn and Al-Mg-Zn-Cu as a function of their composition. He shows that chemical bonds characteristic of the Al-Mg-Zn solid solution are present even during the decomposition of a super-saturated Al-Mg-Zn-Cu solid solution.
 Shishokin, V. P., V. A. Anisimov, and M. A. Viktorova. Determination of a Speed Index of Hardness as a Method of Physicochemical Analysis 56

It is shown that the determination of hardness on the basis of variations in the duration of the action of a load may be useful in studying transformations in alloys.
 Shishokin, V. P., and M. A. Viktorova. Concentration Method of Determining Long-time Hardness 65

This method consists in the repeated pressing of a cone into the same spot on a specimen. This results in a series of successive impressions. The authors establish a relationship between the deformation (by the diameter of the impression) and the duration of the action of the load.
 Tsubailo, S. O., and Yu. P. Belandin. Investigation of the Elastic Limit and Elastic Aftereffect in Steel Ribbon Springs 68

The authors give the results of an investigation, by a new method, of the nature of the imperfect elasticity of certain spring steels. It is shown that in determining the mechanical properties of spring steel by ordinary methods the favorable emphasis should be laid on the elastic aftereffect and the elastic limit, the latter being considered as depending on the duration of action of the force.
 Tsubailo, S. O., and Yu. P. Belandin. Effect of Workhardening and Low-temperature Annealing on the Elastic Limit and Elastic Aftereffect in Nonferrous Spring Alloys 79

The authors give the results of a comparative study of the mechanical properties of German silver, tin-phosphorus, beryllium-copper, and little-studied characteristics, are assumed to be basic properties. It is shown that heat treatment is decidedly helpful in improving the alloys with respect to these properties.

5 (4)
AUTHORS:

Shishokin, V. P., Ageyeva, V. A.,
Vikhoreva, N. A.

05820
SOV/76-33-10-18/45

TITLE:

Time Hardness as a Method of Physicochemical Analysis

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 10, pp 2222 - 2229
(USSR)

ABSTRACT:

The authors made experiments on the variation in hardness of various alloys in dependence on the variation in composition at various temperatures and various durations of strain. Bismuth-cadmium alloys (2.7, 18.7, 44.6, 62.2, 90.9 At% Bi), bismuth-antimony alloys (6, 15, 25, 50, 75 At% Bi), bismuth-lead alloys (5, 10, 20, 30, 33.3, 56.3, 70, 95 At% Bi), the solid solution of bismuth in lead (6.25, 12.5, 15 and 17.5 At% Bi), aluminum-zinc alloys, cadmium-mercury alloys (6.2, 12.5, 18.7 % Hg) and lead-mercury alloys (5.2, 10.3, 12.9, 15.4, 20.5, 25.6, 31 % Hg) were used for this purpose. The alloys were subjected to thermal treatment and loaded (10, 34.4, 36, 39, and 69.4 kg) for various times (5, 30, 150, 720 and 1440 min). The resultant diagrams are discussed (Figs 1-7) with reference to publications by N. S. Kurnakov, A. N. Akhnazarov (Ref 10), A. I. Glazunov, M. M. Matveyev (Ref 11), V. A. Nemilov (Ref 12), V. Ya. Anosov (Ref 13).

Card 1/2

...; ASHINA, V.A.; VIKHOREVA, N.A.

Determination of a rapid hardness index as method of physicochemical
analyses. Trudy IPI no.202:56-64 '59. (MIRA 12:12)
(Metals--Testing) (Hardness)

S/133/60/000/009/013/015
A054/A029

AUTHORS: Romenets, V.A., Candidate of Technical Sciences, Bunyy, N.P., Candidate of Economic Sciences and Ageyeva, V.A., Engineer

TITLE: The Efficiency of Using Oxygen in Electric Arc Furnaces 18

PERIODICAL: Stal', 1960, ²⁰ No. 9, pp. 855-860

TEXT: The application of oxygen in the electric arc furnace affects the technical-economic characteristics of the melting process. Oxygen contributes to the increase in furnace output and in melting low-carbon steels it also helps to keep down the carbon content. In order to determine the economic effects of oxygen on the capacity of the melting equipment, the direct production costs and the initial costs of using oxygen which are the main features of the useful effect of oxygen tests were carried out on 1X 18H 9T (1Kh18N9T), 18XHBA (18KhNVA) and some structural and tool steels in the Chelyabinsk and Zlatoust Metallurgical Plants, and in the "Dnepropetsstal", in 1958. According to the records of the plants it was found that: 1) the furnace output increased for the 1Kh18N9T type steel by 22 %, for the 18KhNVA type steel by 10 %, for structural and tool steels by 5-7 %, as a result of the shorter refining time; 2) the stands of the furnace were shortened and 3) the power supply to the furnace is

Card 1/3

S/133/60/000/009/013/015
A054/A029

The Efficiency of Using Oxygen in Electric Arc Furnaces

reduced, because the current is switched off while oxygen is blown through the bath. The influence of oxygen on the direct cost of production was examined by reference to workshop calculations, and it was found that a) expensive soft iron could be replaced in the charge by cheaper components: for the 1Kh18N9T and 18KhNVA steels by alloy scraps (up to 73 % and 80 %, respectively), while for structural and tool steels by carbon-containing low-phosphorus scraps; b) by using oxygen in the furnace, electric power consumption can be reduced considerably, because the melting period is shorter and the current is switched off while oxygen is blown through the bath. For instance, the saving effected by using oxygen in melting 1Kh18N9T steel amounts to 644.97 rubles/ton, whereas the additional cost of using oxygen is no more than 221.73 rubles/ton. A drawback of the process is that the amount of cinder increases: the total cinder amount of the metal 1.5-1.8 times, that of chromium 1.6 times, of iron and silicon 2.4 times. In spite of this fact the use of oxygen is justified because it makes a very economical composition of the charge and of ferro-alloys possible. The costs connected with the use of oxygen in the furnace include that of the oxygen and that of lining the pipes. The influence of oxygen on the initial costs is de-

Card 2/3

S/133/60/000/009/013/013
A054/A029

The Efficiency of Using Oxygen in Electric Arc Furnaces

terminated by six factors, four of which (lower power consumption, increase in output, the substitution of soft iron by scraps and the smaller consumption of ferro-alloys and nickel) are of positive character, i.e., they reduce initial costs, whereas two factors (the cost of oxygen and the increase in the amount of cinder) have a cost-raising effect. However, the influence of these negative factors is amply offset by the saving obtained by using oxygen. There are 1 table and 5 Soviet references.



Card 3/3

ROMENETS, V.A.; BANNYY, N.P.; AGEYEVA, V.A.

Investigating technical and economic indices. Izv. vys. ucheb. zav.;
chern. met. no.3:197-206 '61. (MIRA 14:3)

1. Moskovskiy institut stali.
(Steel, Stainless--Metallurgy)

SHISHOKIN, V.P.; AGEYEVA, V.A.; VIKHOREVA, N.A.

Effect of loading on the velocity index of cone hardness.
Trudy LPI no. 251:15-17 '65 (MIRA 19:1)

AGEYEVA, V.S.

Screening storage chambers for frozen meat at the Karaganda
packing house. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.
nauch.i tekhn.inform. 18 no.11:52-53 N '65.

(MIRA 18:12)

AGEYEVA, V.S.

Continuous line for drying bone blue. Biul.tekh.-ekon.inform.
Gos.nauch.-issl.inst.nauch.i tekh.inform. no.8:38-39 Ag '65.
(MIRA 18:12)

AGEYEVA, V.S.

Introducing the FK-ZhS separators. Biul. tekhn.-ekon. inform.
Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 12:
51-62 D '65. (MIRA 19:1)

PARFENOV, A.I.; SHUL'TS, M.M.; KOCHERGINA, N.N.; IVANOV, V.P.; YEVNINA,
S.B.; KALMYKOVA, L.P.; AGEYEVA, Ye.D.

Electrode properties and chemical stability of a number of
multicomponent lithium silicate glasses. Vest. LGU 18 no.4:
163-166 '63. (MIRA 16:3)
(Electrodes, Glass) (Lithium silicates) (Oxides)

USSR/ Miscellaneous - Archeological expeditions

Card 1/1

Pub. 123 - 9/17

Authors : Ageeva, E. I., and Akishev, K. A.

Title : Archeological expeditions conducted by the Institute of History in 1954

Periodical : Vest. AN Kaz. SSR, 11, 67-75, Nov 1954

Abstract : Four expeditions organized by the Institute of History, Archeology and Ethnography, Acad. of Sc., Kaz. SSR are described. The expeditions investigated individual regions of the Kazakhstan and archeological maps were compiled. Illustration.

Institution :

Submitted :

AGEYEVA, Ye. I.

"Ceramics of Southern Kazakhstan," Cand (field not given),
Department of Mineral Resources, Acad Sci Kazakh SSR. (Vost Ak
Nauk KazSSR, No 2, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institu-
tions (14)

AGEYEVA, Ye.M.

Basic petrographic and mineralogical features and the facies composition of Cretaceous sediments of the southern Maritime Province. Report No.1: Lower Cretaceous. Soob.DVFIAN SSSR no.10:121-128 '59.

(MIRA 13:11)

1. Dal'novostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya AN SSSR.

(Maritime Province--Geology, Stratigraphic)

AGEYEVA, Ya. M.

Mineralogy and petrography of Cretaceous sediments in the southern
Maritime Territory. Trudy DVFAN SSSR. Ser. geol. 6:59-123 '60.
(MIRA 13:11)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR.
(Maritime Territory--Sediments (Geology))

AGEYEV, Ye.P.; PANCHENKOV, G.M.

Oxygen isotope separation by the thermal diffusion method. Atom.
energ. 14 no.5:494-496 My '63. (MIRA 16:6)
(Isotope separation)

AGEYEVA, Z.G.

Two classical boundary value problems for weakly elliptic
equations. Mat.zap.Ural.mat.ob-va UrGu 3 no.2+3-8 '62.
(MIRA 19:1)

L 63907-65 RMI(d) IJP(c)

ACCESSION NR. AR5018969

REF ID: A63907/B104/B104

SOURCE: Ref. zh. Matematika, Abs. Zhil.

AUTHOR: Ageyeva, Z. G.; Ivanov, V. N.

TITLE: A numerical solution of the Cauchy problem for a differential equation

ITER SOURCE: Matem. zap. (ral'skiy zhurnal)

TOPIC TAGS: numeric solution, Cauchy problem, differential equation

TRANSLATION: A stable solution is offered for a problem with the initial data for a second order linear differential equation of the elliptic type of the form

$$L'U + U = F$$

where L' is an elliptic operator of form

$$LU = \sum_{|\alpha| \leq 2} a_{\alpha}(x) U_{\alpha} + P(x)U + G(x),$$
$$x = (x_1, x_2, \dots, x_n)$$

Card 1/2

L-63907-35

ACCESSION NR: AR5019969

The solution is sought in a right cylinder $D = \{x \in \Omega, 0 < t < T\}$ under the conditions

$$\begin{aligned}
 U(0, x) &= f(x), \\
 U_t(0, x) &= \varphi(x), \\
 U(t, x)|_{x \in \Gamma} &= 0,
 \end{aligned}
 \tag{2}$$

where Γ is the boundary of Ω . The initial method involves the use of a complex region in one of the independent variables. In this case, the instability of the problem reduces to that of a problem in the complex plane. The variable x that is used in the initial method is the boundary of Ω .

DATE: MA

ENCL.

Card 2/2

ACCESSION NR: AR4039837

S/0044/64/000/004/B075/B075

AUTHOR: Ageyeva, Z. G.

TITLE: A mixed problem for an equation of the elliptic - parabolic type.

SOURCE: Ref. zh. Matematika, Abs. 4B324 4 - NO. 2: 3-6 '63

TOPIC TAGS: differential equation, elliptic parabolic equation, Euclidean space

TRANSLATION: The differential equation

$$Lu - a^{hk} u_{x_h x_k} + b^h u_{x_h} + cu = f \quad (1)$$

is considered in a finite region $\bar{\Omega} = \Omega + S$ of r -dimensional Euclidean space. The boundary S is divided into parts: $S(1)$, on which $a^{hk} n_h n_k = 0$, $b(x) = (b^h - a^{hk} n_k) n_h \geq 0$ (n_1, \dots, n_r are the direction cosines of the interior normal to S); $S(2)$, on which $a^{hk} n_h n_k = 0$, $b(x) < 0$; $S(3)$, the remaining part of S . We are given the mixed problem:

Card 1/2

AGEYEVA, Z.M.; SKVORTSOV, K.A.

Clinical aspects of the acute initial stages of schizophrenia.
Vop. psikh. no. 3:83-94 '59. (MIRA 13:10)
(SCHIZOPHRENIA)

ACC NR: AP6007670

(A)

SOURCE CODE: UR/0413/66/000/005/0045/0045

AUTHOR: Terteryan, A. B.; Ivanjukov, D. V.; Agayeva Aga-Kyzy, E. M.; Grachev, D. S.;
Yermokhin, V. V.; Ismailov, A. G.; Kupriyanova, L. A.; Nadirova, M. M.;
Terteryan, S. A.

24
B

ORG: none

TITLE: Deparaffination of distillate petroleum products. // Class 23, No. 178436

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 43

TOPIC TAGS: deparaffination, petroleum product, petroleum refining

ABSTRACT: An Author Certificate has been issued for a method describing the dewaxing of petroleum products using carbamides. The carbamide is introduced in the form of a solution in isopropyl alcohol during the process for separating normal paraffin hydrocarbons. The latter is carried out without the use of filters. [LD]

SUB CODE: 11/ SUBM DATE: 11Jul57

Card 1/1

pla

UDC: 665.545.3:547.495.2

2

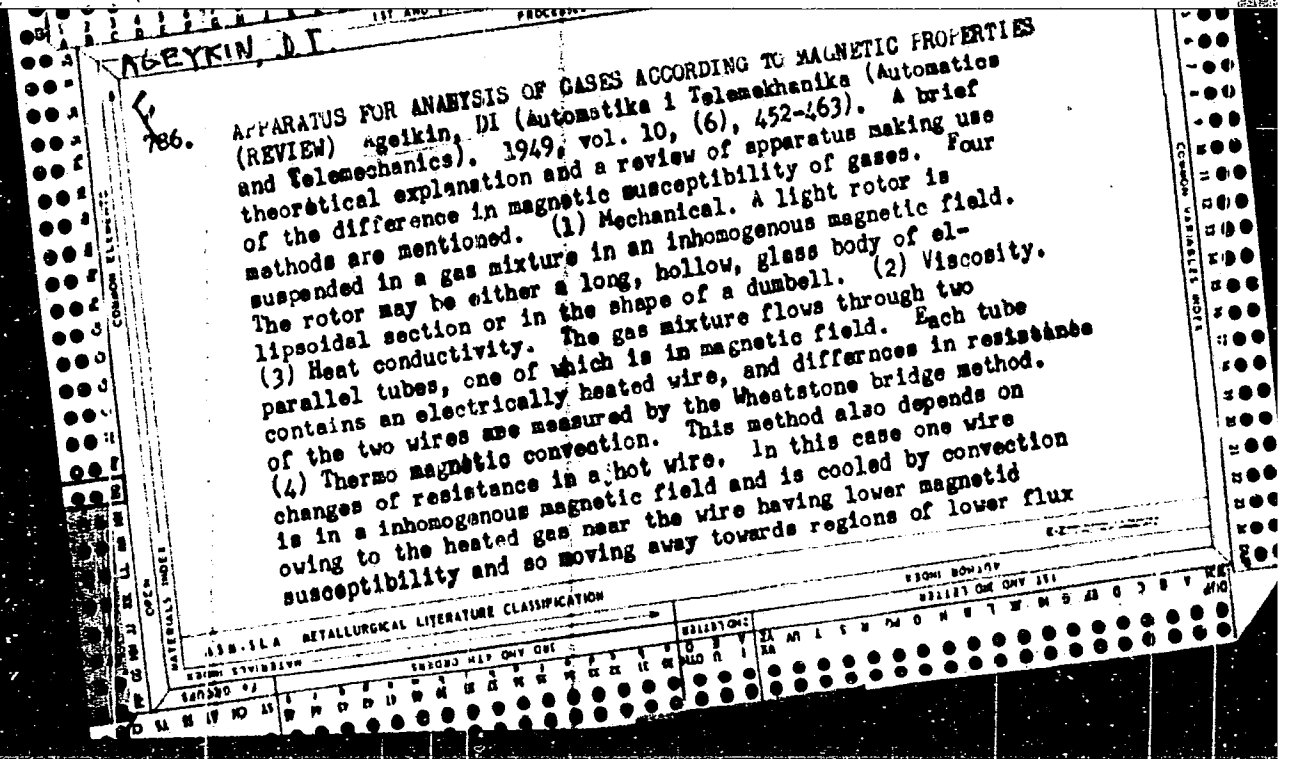
AGEYEVA-MAYKOVA, O. G.

DECEASED

170284

MEDICAL SCIENCES

(1961)



density and being replaced with cooler gas. Details of this method occupy half the article and are taken from American sources (Richardson, K. Continuous determination of oxygen concentration based on the magnetic properties of gases. (Trans. Amer. Soc. Mech Engr. vol. 70, (3), 211), and Dyer, G. A paramagnetic Oxygen Analyser. (Rev. Sci. Instrum., 1947, vol. 18, (10), 696). The author envisages application of the various types as follows: (1) Mechanical type: for lab. work (2) Heat conductivity type: for rarefied gases at pressures below 300 mm of mercury and for determining NO or NO₂ in the absence of O₂. (3) Thermomagnetic convection type: for oxygen analysis above 300 mm pressure and for control devices. in (a) chemical works, (b) air fractionating plants, (c) in boiler plants and metallurgical furnaces for analysis of fuel gases and regulation of processes of combustion, (d) for regulating the oxygen air blast for blast furnaces and (e) for air analysis in mines, wells, tunnels, submarines, pressure chambers etc.

AGEYKIN, D. I.

Cand Tech Sci

Dissertation: "Chemical Relay and Measuring Instruments
Based on Utilizing the Magnetic Properties of Substances."

6/4/50

Inst of Automatics and Telemechanics, Acad Sci USSR

80 Vecheryaya Moskva
Sum 71

SR/Physics - Magnetism, Thermo-
convection convection
New Techniques 11 Sep 50

Determining the Transmission of Heat by Means of
Paramagnetic Convection, D. I. Ageykin, Inst
of Automatics and Telemech, Acad Sci USSR

Dok Ak Nauk BSSR" Vol LXXIV, No 2, pp 229-232

Considers specific magnetic susceptibility of
paramagnetic gases and its temp variation (Curie's
law); also volumetric magnetic susceptibility
kaypa. Thermomagnetic convection occurs in para-
magnetic gas around heated object located in
174764

USSR/Physics - Magnetism, Thermo-
convection convection
(Contd) 11 Sep 50

nonhomogeneous magnetic field H. Considers scheme
of device in which subject convection occurs in-
side tube, so that H and T vary as functions of
distance x along tube. Seeks analytical expres-
sions for criteria Nu, Pr, Re, Gr, A and flow
velocity u, force F on gas and pressure. Sub-
mitted 20 Jun 50 by Acad V. S. Kulebakin.

174764

AGEYKIN, D. I.

Electric Apparatus and Appliances

Indicator of electric conductivity and magnetic permeability of substrate cer, based on the application of the principle of magnetic bridge. Avton. i telex. 12 No. 4 (1951)

SO: Monthly List of Russian Accessions, Library of Congress, August, 1952. Unclassified.

AGEYKIN, D.I.

Using thermistors in flexible feedback circuits. Avtom. i telemekh. 14
no.1:56-58 Ja-F '53. (MIRA 10:3)

(Thermistors)

USSR/Engineering--Weighing Hopper

Card 1/1

Authors : Bauman, V. A., Cand. in Tech. Sciences, Laureate of the Stalin prize, Petrun'kin, L. P., engineer, and Ageikin, D. I., and Ogiyevich, V. A., Candidates in Tech. Sciences

Title : An automatic weighing hopper with continuous action

Periodical : Mekh. Stroi. 11/2, 13-18, February 1954

Abstract : Concrete mixers providing a continuous flow up to the present have not received wide application. The difficulty is with the proportioning hopper. To remedy this, the All-Union Scientific Research Institute of Building and Road-Machine Construction together with the Institute of Automatic Science and Telemechanics, has developed an automatic weighing hopper of continuous operation. The device insures a constant flow of the proper proportions of cement, sand and gravel or crushed stone. The author describes this hopper in detail and illustrates his explanations with tables and drawings.

Institution :

Submitted :

OGIYEVICH, V.A., kandidat tekhnicheskikh nauk; ~~AGEYKIN, D.I.~~, kandidat
tekhnicheskikh nauk; MAYORCHUK, A.Z., inzhener; ORLOV, B.W.,
inzhener.

Basic equipment for standard continuous-operation concrete plants
Stroi.i dor.mashinostr. no.9:8-13 S '56. (MLRA 9:11)
(Concrete plants)

AGEYKIN, D.I. (Moskva). ; DESOVA, A.A. (Moskva).

Electromagnetic flowmeters. Avtom. i telem. 17 no.12:1123-1126
D '56. (MIRA 10:1)

(Flowmeters) (Electric meters)

TOPCHIIYEV, A.V., akademik, glavnyy redaktor; SOTSKOV, B.S., doktor
tekhnicheskikh nauk, otvetstvennyy redaktor; AGEYKIN, D.I., redaktor;
SUBBOTINA, G.V., redaktor; SHORYGIN, A.P., redaktor; YARMOL'CHUK, G.G.,
redaktor; KISELEVA, A.A., tekhnicheskiy redaktor

[A session of the Academy of Sciences of the U.S.S.R. on scientific
problems in automatization of production, October 15-20, 1956;
scientific principles for setting up technical means of automatization]
Sessia Akademii nauk SSSR po nauchnym problemam avtomatizatsii
proizvodstva, 15-20 oktiabria 1956 g.; nauchnye osnovy postroeniia
tekhnicheskikh sredstv avtomatiki. Moskva, 1957. 186 p.

(MIRA 10:5)

(Automatic control)

AGEYKIN, Dmitry Ivanovich; KOLOSOV, Sergey Petrovich; UDALOV,
Nikolay Petrovich; USHOMIRSKAYA, M.M., inzhener, redaktor;
SUVOROVA, I.A., redaktor; LEBEDEVA, L.A., tekhnicheskiy redaktor

[Manual for designing elements in automatic control; a
textbook for courses in designing] Rukovodstvo po proektirovaniu
elementov avtomatiki; posobie po kursovomu proektirovaniu.
Moskva, Gos. izd-vo obor. promyshl. Pt.1. 1957. 135 p.

(MLRA 10:5)

(Automatic control)

AUTHOR AGHEYKIN D.I., MEL'ITSER L.V., SHUMILOV, I.I., N.M. 193-7-11/11

TITLE Modulation of Radioactive Radiation in Automatic Control Devices.
(Modulyatsiya radioaktivnogo izlucheniya dlya ustroystv avtomati-
cheskogo kontrolya -Russian)

PERIODICAL Avtomatika i Telemekhanika, 1957, Vol 18, Nr 7, pp 686-688 (U.S.S.R.)

ABSTRACT Various modulation methods are investigated. Fundamentally, two kinds of them are possible: mechanic modulation and modulation by means of a field. The most simple case of a modulated element in the case of mechanic modulation is an aperture. This case is investigated here and formulae for the determination of its thickness are deduced. Another possibility is the use of a small electromagnetic vibrator. The presence of movable parts in the modulator is the disadvantage of mechanic modulation. Modulation by means of a field is only possible with alpha- and beta -rays. The fundamental scheme of such a modulation is shown and the deflections are calculated. From these calculations we see that only the modulation of beta rays can be easily realized in practice. The authors built a magnetic modulator for beta-radiation with an induction of 0-2000 Gs in the operating aperture. A radioactive isotope of thallium 204 with an activity of 30 mCu was placed between the poles of a small magnet. The experiment showed that this modulator is hardly suitable for the production of small radiation impulses but that it served excellently in cases where it was necessary gradually to change the intensity of radiation at

Card 1/2

Modulation of Radioactive Radiation in Automatic Control Devices 103-9-11/12

the modulator output. Mechanic modulation is used for the production of short impulses with abrupt fronts
(2 illustrations and 3 Slavic references).

ASSOCIATION Not Given.
PRESENTED BY
SUBMITTED 4.9.1956
AVAILABLE Library of Congress.
Card 2/2

Laboratoriya avtomatiki testa "Soyuzspetskontrol"

AUTHORS
TITLE

Ageykin D.I., Itskovich E.L., Vorob'yev I.N. ^{32-7-29/49} (Deceased)
New Construction of a Thermomagnetic Gas Analyzer Based Upon Oxygen.
(Novaya Konstruktsiya termomagnitnogo gazoanalizatora na kislorod-
-Russian)

PERIODICAL
ABSTRACT

Zavodskaya Laboratoriya, 1957, Vol 23, Nr 7, pp 852-858 (U.S.S.R.)

This device consists of a principal component (indicator) in which measuring of thermal magnetic convection is carried out, the electric elements being fitted to the interior of the lid. Inside there is a thermostatic cell with a magnetic system and measuring chamber with sensitive elements through which the gas to be analyzed passes. The device has a permanent magnet (made of "magniko" alloy), the magnetic conductor is made of "armko" iron, and the pole points made of "permendur" serve for the maintenance of a maximum field voltage. The magnetic system has "gabarites" having a great stability of magnetic field voltage as well as a hermetically closed chamber the interior of which is coated with lead. The indicator possesses two sensitive elements in the measuring chamber each having two heaters as extensions of the magnetic bridge. Here the position of the sensitive elements as well as that of the heater are fixed in proportion to the magnetic pole. By an increase of the oxygen content of the gas mixture thermomagnetic convection is increased. By means of this device it is thus possible to determine the number of oxygen molecules in the gas volume unit of the measuring chamber. In this way also partial pressure is determined.

Card 1/2

New Construction of a Thermomagnetic Gas Analyzer 32-7-29/49
Based Upon Oxygen.

There are no Illustrations.

ASSOCIATION Institute of Automation and Telemechanics, AN USSR.
(Institut avtomatiki i telemekhaniki Akademii nauk SSSR.)
AVAILABLE 3 Library of Congress.
Card 2/2

24,6410,

S/058/62/000/009/005/069
A006/A101

AUTHORS: Shumilovskiy, N. N., Ageykin, D. I., Mel'tser, L. V.

TITLE: Magnetic modulation of radioactive radiation

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 19, abstract 9B155
("Dokl. L'vovsk. politekhn. in-ta", 1958, v. 2, no. 2, 212 - 215)

TEXT: The schematic diagram of modulating α and β -radioactive radiation by an electric or magnetic field is described. By varying the strength of the modulating field and the law of its variation, radioactive radiation pulses of required duration and shape can be obtained. The calculations presented show that only magnetic modulation of β -radiation is practically feasible. Data are given of a magnetic modulator with an induction of $0 \div 2,000$ gauss in the operational gap. JA

[Abstracter's note: Complete translation]

Card 1/1

28(1)

PHASE I BOOK EXPLOITATION

SOV/2309

Ageykin, Dmitriy Ivanovich, Mikhail Aleksandrovich Balashov, Sergey Petrovich Kolosov, Valentina Ivanovna Nefedova, Yevgeniy Mikhaylovich Reshetnikov, Nikolay Ivanovich Sokolov, Vasiliy Mikhaylovich Stromilov, Nikolay Mikhaylovich Tishchenko, and Nikolay Petrovich Udalov

Rukovodstvo po proyektirovaniyu elementov i sistem avtomatiki; posobiye po kursovomu proyektirovaniyu (Handbook on the Design of Automatic Control Elements and Systems; Textbook for Term Projects in Design) No. 2. Moscow, Oborongiz, 1959. 247 p. (Series: Moscow. Aviat-sionnyy institut im. Sergo Ordzhonikidze) Errata slip inserted. 17,500 copies printed.

Ed. (Title page): B.N. Petrov, Corresponding Member, USSR Academy of Sciences, Professor; Ed. (Inside book): V.N. Istratov, Candidate of Technical Sciences; Ed. of Publishing House: E.A. Shekhtman; Tech. Ed.: V.P. Rozhin; Managing Ed.: A.S. Zaymovskaya.

PURPOSE: This is a textbook for students of the electromechanical departments of vtuzes working on term- and diploma design projects.

Card 1/4

Handbook on the Design (Cont.)

SOV/2309

Some chapters may also be useful to engineering personnel working with automatic control systems.

COVERAGE: The authors discuss basic problems in the design of automatic-control system elements, such as transducers, relays, clutches, and power transformers. They also describe servo systems, particularly autopilots, and present numerical examples of calculating system parameters. Typical assignments for students working on term design projects are also presented. The book was written by part of the teaching staff of Moscow Aviation Institute imeni Sergo Ordzhonikidze, under the direction of Professor B.N. Petrov, Corresponding Member, USSR Academy of Sciences. Chapter I was written by D.I. Ageykin; Chapter II, by S.P. Kolosov and M. A. Balashov; Chapter III, by V.I. Nefedov; Chapter IV, by Ye. M. Reshetnikov; Chapter V, by N.P. Udalov; Chapter VI, by N.M. Tishchenko; Chapter VII, by N. I. Sokolov; and Chapter VIII, by V.M. Stromilov. The authors thank Docents V.N. Istratov, S.P. Inozemtsev and A.F. Khokhlov, Candidates of Technical Sciences, for reviewing the book. There are 69 references, all Soviet (including 2 translations).

TABLE OF CONTENTS:

Card 2/4

Handbook on the Design (Cont.)	SOV/2309	
Foreword		3
Ch. I. Acceleration and Vibration Transducers		5
Ch. II. Displacement Transducers		27
Ch. III. Polarized Relays		41
Ch. IV. A-C Electronic Relays		71
Ch. V. Viscous-friction Electromagnetic Clutches		89
Ch. VI. Power Transformers		101
Ch. VII. Linear Servo Systems (Problems of Synthesis)		139
Ch. VIII. Autopilots		194
Appendixes.		238
Card 3/4		

Handbook on the Design (Cont.)

SOV/2309

1. Remarks Concerning the Term Assignment and Term Design Project 238
2. Typical Assignment for a Term Design Project 238

AVAILABLE: Library of Congress

Card 4/4

JP/bg
9-30-59

AG EY KIN, D. I.

Report to be presented at the 1st Intl Congress of the Intl Federation of Automatic Control, 25 Jun-5 Jul 1960, Moscow, USSR.

AG EY KIN, D. I. - "Computing thermo-magnetic gas analyzers" according to the criterion of determining the optimum dynamic system function of several other functions"

ALIZEMAN, M. A., and CAJTOVAZZA, P. P. - "Some problems of the theory of nonlinear systems of automatic regulation with discontinuous characteristics"

BARUCH, E. A. - "Concerning the organization of the MARCONI function of nonlinear systems"

BARUCH, E. A. - "Graphic methods of synthesis of nonlinear systems of automatic regulation"

BARUCH, E. A. - "Synthesis of the application of high liquid pressures for automatic systems"

BEZEL'VAJEN, A. K. - "The theory of stability of regulation systems"

BILIK, M. M. - "Multicoordinate nonlinear interactor for program control of machines"

BERENSON, T. L., and TAL', A. A. - "Piezometric alloy systems"

BERENSON, T. L., KALASHNIKOV, V. I., KRASHINSKIY, V. Y., MAZIN, I. V., PUKOV, G. A. - "Automated electric drive of the propeller installation of the atomic icebreaker 'Lening'"

BOZAKHUKH, V. A., and FEDOROV, S. M. - "Application of the equivalent transmission function in the calculation of follower systems by the method of frequency curve method"

BULIK, M. M., and GURVILLI, V. A., and PRUKHINENKIL, I. V. - "Contactless telemechanical systems with temporary separation of channels"

BULYGANICH, Y. C., CAJTOVAZZA, P. P., MUMENKHOV, S. P., and POKHREACHIN, I. G. - "The maximum principle in the theory of optimum control processes"

BUZOVOL', M. M. - "Automated electric drives of a metallurgical plant"

BURKOV, I. A. - "Automatic regulation of froth-layer processes in nonferrous metallurgy"

17.1157

84557

S/115/60/000/010/023/028
B021/B058

AUTHOR: Ageykin, D. I.

TITLE: "Thermomagnetic Compensating Gas Analyzers"

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 10, p. 62

TEXT: In existing thermomagnetic gas analyzers for oxygen analysis, the intensity of thermomagnetic convection is measured by the thermo-anemometric method. The possibility of measuring the pressure gradient, caused through thermomagnetic convection, by compensating the artificial pressure with opposite sign is discussed. Schemes of gas analyzers of this type and their main characteristics are mentioned.

Card 1/1

S/030/60/000/012/018/018
B004/B056

AUTHOR: Ageykin, D. I.

TITLE: Automatic Control and Electric Measuring Methods

PERIODICAL: Vestnik Akademii nauk SSSR, 1960, No. 12, pp. 120-121

TEXT: The konferentsiya po avtomaticheskomu kontrolyu i metodam elektricheskikh izmereniy (Conference on Automatic Control and Electric Measuring Methods) was held by the Institut avtomatiki i elektrometrii Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Automation and Electrometry of the Siberian Department of the Academy of Sciences USSR) and by the Novosibirskiy sovnarkhoz (Novosibirsk sovnarkhoz) from September 20 to September 24, 1960. The Conference was attended by experts from 39 cities of the USSR. Lectures were held at the plenary sessions by: K. B. Karandeyev, Director of the Institute of Automation and Electrometry, and M. P. Tsapenko. They concerned the increase of reliability and the development of digital computer technique. The following sections are mentioned: The section for automatic control devices in industry; section for digital measuring devices; section for the electrical measurement of
Card 1/2

Automatic Control and Electric Measuring
Methods

S/030/60/000/012/018/018
B004/B056

non-electric quantities. An exposition showed the following: A device for sorting capacitors according to capacity and dielectric loss; device for sorting capacitor mica; measuring bridge with device for recording measured results in the digital system; contactless switch for weak direct current signals on a semiconductor basis; digital millivoltmeter with photoelectric recording on a semiconductor basis. ✓

Card 2/2

TRAPEZNIKOV, V.A., akademik, glav. red.; AYZERMAN, M.A., doktor tekhn. nauk, red.; AGEYKIN, D.I., kand. tekhn. nauk, red.; ARTOBOLEVSKIY, I.I., akademik, red.; BATRACHENKO, L.P., inzh., red.; VORONOV, A.A., doktor tekhn. nauk, red.; GAVRILOV, M.A., doktor tekhn. nauk, red.; DIKUSHIN, V.I., akademik, red.; KARIBSKIY, V.V., kand. tekhn. nauk, red.; KOGAN, B.Ya., kand. tekhn. nauk, red.; KRASIVSKIY, S.P., red.; KULEBAKIN, V.S., akademik, red.; LERNER, A.Ya., doktor tekhn. nauk, red.; LETOV, A.M., kand. tekhn. nauk, red.; MEYEROV, M.V., doktor tekhn. nauk, red.; PETROV, E.N., akademik, red.; PUGACHEV, V.S., doktor tekhn. nauk, red.; SOTSKOV, B.S., red.; STEFANI, Ye.M., kand. tekhn. nauk, red.; KHRAMOY, A.V., kand. tekhn. nauk, red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; CHELYUSTKIN, A.O., kand. tekhn. nauk, red.; CHILIKIN, M.G., doktor tekhn. nauk, red.; NAUMOV, B.N., kand. tekhn. nauk, red.; KASHINA, P.S., tekhn. red.

[Transactions of the International Federation of Automatic Control, 1st International Congress, Moscow, 1960] Trudy I Mezhdunarodnogo kongressa Mezhdunarodnoi federatsii po avtomaticheskomu upravleniiu. Moskva, Izd-vo Akad. nauk SSSR. Vol.2. [Theory of discrete systems, optimal systems, and adaptive automatic control systems] Teoriia diskretnykh, optimal'nykh i samonastraivaiushchikhsia sistem. 1961. 996 p. (MIRA 14:9)

1. International Federation of Automatic Control, 1st International Congress, Moscow, 1960. 2. Chlen-korrespondent AN SSSR (for Sotskov) (Automatic control)

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; BIRKOVICH, D.M.,
zaml glav. red.; LEBNER, A.Ya., doktor tekhn. nauk, prof.,
zam glav. red.; AVEN, O.I., red.; AGEYKIN, D.I., red.; kand.
tekhn. nauk, dots., red.; AYZERMAN, M.A., red.; VENIKOV, V.A.,
doktor tekhn. nauk, prof., red.; VORONOV, A.A., doktor tekhn.
nauk, prof., red.; GAVRILOV, M.A., doktor tekhn. nauk, prof.,
red.; ZERNOV, D.V., red.; IL'IN, V.A., doktor tekhn. nauk,
prof., red.; KITOV, A.I., kand. tekhn. nauk, red.; KOGAN, B.YA.,
doktor tekhn. nauk, red.; KOSTOUSOV, A.I., red.; KRINITSKIY,
N.A., kand. fiz.-mat. nauk red.; LEVIN, G.A., prof. red.;
LOZINSKIY, M.G., doktor tekhn. nauk, red.; ROSSIYEVSKIY, V.I.
red.; MAKSAREV, Yu.Ye., red.; MASLOV, A.A., dots., red.; POPKOV, A.A., red.;
RAKOVSKIY, M.Ye., red.; ROZENBERG, L.D., doktor tekhn. nauk,
prof., red.; SOTSKOV, B.S., red.; TIMOFEYEV, P.V., red.;
USHAKOV, V.B., doktor tekhn. nauk, red.; FEL'DBAUM, A.A.,
doktor tekhn. nauk, prof., red.; FROLOV, V.S., red.;
KHARKEVICH, A.A., red.; KHRAMOY, A.V., kand. tekhn. nauk, red.;
TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; CHELYUSPKIN,
A.B., kand. tekhn. nauk, red.; SHREYDER, Yu.A., kand. fiz.-
mat. nauk, dots., red.; BOCHAROVA, M.D., kand. tekhn. nauk,
starshiy nauchnyy red.; DELONE, N.N., inzh., nauchnyy red.;
BARANOV, V.I., nauchnyy red.; PAVLOVA, T.I., tekhn. red.
(Continued on next card)

BERG, A.I.--- (continued). Card 2.

[Industrial electronics and automation of production processes] Avtomatizatsiia proizvodstva i promyshlennaiia elektronika. Glav. red. A.I.Berg i V.A.Trapeznikov. Moskva, Gos.nauchn. izd-vo "Sovetskaia Entsiklopediia." Vol.1. A - I. 1962. 524 p. (MIRA 15:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Sotskov, Kharkevich, Zernov, Timofeyev, Popkov).
(Automatic control) (Electronic control)

AGEYKIN, Dmitriy Ivanovich; KAPLUNOV, I.B., red.; LARIONOV, G.Ye.,
tekhn. red.

[Magnetic gas analyzers] Magnitnye gazoanalizatory. Moskva,
Gosenergoizdat, 1963. 215 p. (MIRA 16:5)
(Gases--Analysis) (Magnetic instruments)

BERG, A.I., glav.red.; TRAPEZNIKOV, V.A., glav.red.; TSYPKIN, Ya.Z., doktor tekhn.nauk, prof., red.; VORONOV, A.A., doktor tekhn.nauk, prof., red.; SOTSKOV, B.S., doktor tekhn.nauk, red.; AGEYKIN, D.I., doktor tekhn.nauk, red.; GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn.nauk, prof., red.; CHELYUSTKIN, A.B., doktor tekhn.nauk, red.; PROKOF'YEV, V.N., doktor tekhn.nauk, prof., red.; IL'IN, V.A., doktor tekhn.nauk, prof., red.; KITOV, A.I., doktor tekhn.nauk, red.; KRINITSKIY, N.A., kand. fiz.-matem.nauk, red.; KOGAN, B.Ya., doktor tekhn.nauk, red.; USHAKOV, V.B., doktor tekhn.nauk, red.; LERNER, Yu.A., doktor tekhn.nauk, prof., red.; FEL'DBAUM, A.A., prof., doktor tekhn.nauk, red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, dots., red.; KJARKEVICH, A.A., akad., red.; TIMOFEYEV, P.V., red.; MASLOV, A.A., dots., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn.nauk, red.; NETUSHIL, A.V., doktor tekhn.nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn.nauk, prof., red.; LIVSHITS, A.L., kand. tekhn.nauk, red.

[Automation of production and industrial electronics] Avtomatizatsiia proizvodstva i promyshlennaya elektronika; entsiklopediia sovremennoi tekhniki. Moskva, Sovetskaia Entsiklopediia. Vol.3. Pogreshnost' resheniia - Teleizmeritel'naya sistema chastotnaya. 1964. 487 p. (MIRA 17:10)

J. Chlen-korrespondent AN SSSR (for Sotnikov, Gavrilov, Timofeyev, Popkov).

AVEN, O.A.; DVORETSKIY, V.M.; DOMANITSKIY, S.M.; ZALMANZON, L.A.;
KRASSOV, I.M.; KRUG, Ye.K.; TAL', A.A.; KHOKHLOV, V.A.;
BULGAKOV, A.A.; DEMIDENKO, Ye.D.; BERNSHTEYN, S.I.; YEMEL'YANOV,
S.V.; LERNER, A.Ya.; MEYEROV, M.V.; PEREL'MAN, I.I., FITSNER,
L.N.; CHELYUSTKIN, A.B.; ZHOZHIKASHVILI, V.A.; IL'IN, V.A.;
~~AGEYKIN, D.I.~~; GUSHCHIN, Yu.V.; KATYS, G.P.; MEL'TTSER, L.V.;
PARKHOMENKO, P.P.; MIKHAYLOV, N.N.; FITSNER, L.N.; PARKHOMENKO,
P.P.; ROZENBLAT, M.A.; SOTSKOV, B.S.; VASIL'YEVA, N.P.; PRANGISHVILI,
I.V.; POLONNIKOV, D.Ye.; VOROB'YEVA, T.M.; DEKABRUN, I.Ye.

Work on the development of systems and principles of automatic
control at the Institute of Automatic and Remote Control
during 1939-1964. Avtom. i telem. 25 no. 6:807-851 Je '64.
(MIRA 17:7)

BERG, A.I., glav. red.; TRAPEZNIKOV, V.A., glav. red.; TSYFKIN, Ya.Z., doktor tekhn. nauk, prof., red.; VORONOV A.A., prof., red.; AGEYKIN, D.I., doktor tekhn. nauk, red.; GAVRILOV, M.A., red.; VENIKOV, V.A., doktor tekhn. nauk, prof., red.; SOTSKOV, B.S., red.; CHELYUSTKIN, A.B., doktor tekhn. nauk, red.; PROKOF'YEV, V.N., doktor tekhn. nauk, prof., red.; IL'IN, V.A., doktor tekhn. nauk, prof., red.; KITOV, A.I., doktor tekhn. nauk, red.; KRINITSKIY, N.A., kand. fiz. mat. nauk, red.; KOGAN, B.Ya., doktor tekhn. nauk, red.; USHAKOV, V.B., doktor tekhn. nauk, red.; LERNER, A.Ya., doktor tekhn. nauk, prof., red.; FEL'DBAUM, A.A., doktor tekhn. nauk, prof., red.; SHREYDER, Yu.A., kand. fiz.-mat. nauk, red.; KHARKEVICH, A.A., akademik, red. [deceased]; TIMOFEYEV, P.V., red.; MASLOV, A.A., dots., red.; TRUTKO, A.F., inzh., red.; LEVIN, G.A., prof., red.; LOZINSKIY, M.G., doktor tekhn. nauk, red.; NETUSHIL, A.V., doktor tekhn. nauk, prof., red.; POPKOV, V.I., red.; ROZENBERG, L.D., doktor tekhn. nauk, prof., red.; LIFSHITS, A.L., kand. tekhn. nauk, red.; AVEN, O.I., kand. tekhn. nauk, red.; BLANN, O.M. [Blunn, O.M.], red.; BROYDA, V., inzh., prof., red.; BREKKL', L. [brockl, L.] inzh., knad. nauk, red.; VAYKHARDT, Kh. [Weichardt, H.], inzh., red.; BOCHAROVA, M.D., kand. tekhn. nauk, st. nauchn. red.

[Automation of production processes and industrial electronics]
Avtomatizatsiia proizvodstva i promyshlennaya elektronika; entsiklopediia sovremennoi tekhniki. Moskva, Sovetskaya entsiklopediia.
Vol.4. 1965. 543 p. (TRA 18:6)

AGEYKIN, D.I.; KOSTINA, Ye.N.; KUZNETSOVA, N.N.; STROGANOV,
L.P., inzh., red.; KURATTSEV, L.Ye., inzh., red.

[Regulation and control transducers; reference materials]
Datchiki kontrolya i regulirovaniya; spravochnye materialy.
2., perer. i dop. izd. Moskva, Mashinostroenie, 1965.
928 p. (MIRA 18:6)

STUPEL', Fayvel' Aronovich; AGEYKIN, D.I., red.

[Electromechanical pickups and transformers of non-electrical quantities; principle of operation, networks, and design] Elektromekhanicheskie datchiki i preobrazovateli neelektricheskikh velichin; printsip deistviia, skhemy, raschet. Moskva, Energiia, 1965. 115 p. (Biblioteka po avtomatike, no.141) (MIRA 18:7)

L 8170-66 EWT(1)/EWA(h)

ACC NR: AP5025724

SOURCE CODE: UR/0286/65/000/018/0078/0078

AUTHORS: Korotkiy, V. F.; Ageykin, D. I.

ORG: none

TITLE: A recording device.²⁵ Class 42, No. 174804

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 78

TOPIC TAGS: recording system, trigger circuit, information readout

ABSTRACT: This Author Certificate presents a recording device for the reproduction of a frequency signal in the form of a curve. The device contains a recording carrier feed mechanism, a ladder network of the recording electrodes which are positioned perpendicular to the motion of the carrier, a counting circuit for converting the frequency signal to a decimal code, and a control commutator. To trigger the frequency pickup which operates on the basis of interrogation, the device contains a triggering ladder network which consists of a trigger, emitter follower, diodes, and a source of negative bias of the diodes included in the commutator circuit. To obtain a precisely established variable periodicity of the pickup triggering with a fixed duration of the triggering, cut-off, sampling, and

Card 1/2

UDC: 681.2.C87.654.94

19
B

L 8170-66

ACC NR: AP5025724

information recording, the triggering circuit includes a regulated delay of the start of the pickup triggering. This regulated delay consists of a counter and a diode circuit for establishing the delay magnitude. To increase the readout precision, the commutator circuit includes a circuit for cutting off the initial section of the electric oscillations of the excited pickups. This cutoff circuit may be made in the form of, for example, counters.

SUB CODE: DP, EC/ SUBM DATE: 10Feb64

Card 2/4

L 26081-66 EWA(h)/EWT(1)/ETC(m)-6 WW

ACC NR: A75027094

Monograph

UR/ 77
71
B+1

Areykin, D. I.; Kostina, Ye. N.; Kuznetsova, N. N.

Regulation and control transducers; reference materials (Datchiki kontrolya i regulirovaniya; spravochnyye materialy) 2d ed., rev. and enl. Moscow, Izd-vo "Mashinostroyeniye," 1965. 928 p. illus., biblio. 19,000 copies printed.

TOPIC TAGS: computer engineering, automatic control, pressure transducer, temperature transducer, flowmeter, handbook

PURPOSE AND COVERAGE: This book is intended for engineering and technical personnel concerned with the development, application, and operation of transducers and other similar devices. It may also be useful to students in technical schools of higher education. The book deals with theoretical foundations of transducer construction, basic diagrams, and design-calculation formulas. It also offers practical recommendations for the selection of necessary parameters. The transducers developed by Soviet engineering organizations and enterprises are also discussed, as well as the better types of non-Soviet transducers. Technological data, such as displacement, level, pressure, consumption, flow rate, temperature, velocity, acceleration, and vibration parameters, are also given. A bibliography follows each section.

TABLE OF CONTENTS [abridged]:

Foreword — 3
Introduction — 5
Cord 1/5

UDC: 681.2.08+621-50

I. 26081-66

ACC NR: AM5027094

Section One

Linear and Angular Displacement and Power Pickups

- Ch. I. Ohmic resistors -- 19
- Ch. II. Inductance and transformer-type displacement pickups -- 80
- Ch. III. Magnetometric pickups -- 182
- Ch. IV. Capacity and piezoelectric pickups -- 202
- Ch. V. Radiation, acoustic and temperature transducers of displacement and force -- 216
gm
- Ch. VI. Pneumatic and hydraulic displacement transducers displacement relay -- 255
- Bibliography -- 261

Section Two

Compensation Pickups, Frequency, Pulse-Duration and Digital Output Transducers

- Ch. I. Compensation pickups. Fundamentals of their structural design -- 264
- Ch. II. Elements of compensation pickups -- 272
- Ch. III. Time-controlled pulse-output transducers -- 282

Card 2/5

L 26081-66

ACC NR: AM5027094

3

Ch. IV. Frequency output transducers -- 298

Bibliography -- 333

Section Three

Torque meters, Dimension Transducers, and Level Gages

Ch. I. Torque meters -- 334

Ch. II. Dimension and ^{qm}thickness transducers -- 349

Ch. III. Level gages -- 386 ^{qm}

Section Four

Velocity, Acceleration and Vibration Transducers

Ch. I. Velocity-type transducers -- 456

Ch. II. Velocity and vibration parameter transducers -- 485 ^{qm}

Bibliography -- 552

Card 3/5

L 26081-66

ACC NR: AM5027094

2

Section Five
Pressure Transducers

- Ch. I. Pressure transducers with mechanical sensitive elements -- 555
- Ch. II. ^{qm} Pressure transducers with electric and thermal sensitive elements -- 678
- Bibliography -- 686

Section Six
Flowmeters

- Ch. I. Variable-pressure-drop flowmeters -- 689
- Ch. II. Flowmeters with variable cross section chokes -- 699
- Ch. III. Velocity-head transducers -- 715
- Ch. IV. Volumetric flow rate mechanical transducers -- 720
- Ch. V. Flow pickups based on measuring of the duration of passage of the medium over a definite distance -- 743
- Ch. VI. Induction (electromagnetic) flow transducers -- 754

Card 4/5

L 26081-66

ACC NR: AM5027094

(Ch. VII. Mass flow transducers -- 769

(Ch. VIII. Flow transducers based on the use of nuclear magnetic resonance -- 785

(Ch. IX. Thermal-type flow transducers -- 788

(Ch. X. Other types of flow transducers -- 795

Bibliography -- 797

Section Seven
Temperature Transmitters, and Relays

(Ch. I. Transmitters with mechanical sensitive elements -- 800

(Ch. II. Transmitters with electric sensitive elements -- 833

(Ch. III. Radiation-type temperature sensors -- 869

(Ch. IV. Characteristics of temperature sensors as determined by operating conditions -- 906

Bibliography -- 914

SUB CODE: 09/ SUBM DATE: 11May65/ ORIG REF: 190/ OTH REF: 038

Card 5/5 *cc*

ACC NR: AP7004808

SOURCE CODE: UR/0413/67/000/001/0146/0146

INVENTOR: Ageykin, D. I.; Kuznetsova, N. N.; Knopov, Yu. T.

ORG: None

TITLE: A signalling pickup. Class 74, No. 190236 (announced by the Institute of Automation and Telemechanics [Technical Cybernetics] [Institut avtomatiki i teleme-khaniki (tekhnicheskoy kibernetiki)])

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1967, 146

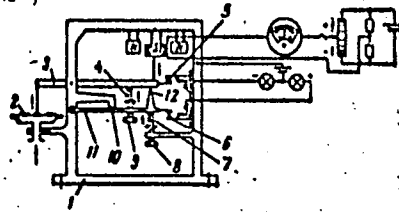
TOPIC TAGS: signal element, remote control, electric equipment

ABSTRACT: This Author's Certificate introduces: 1. A signalling pickup which contains a sensitive element, lever transmission and force compensation unit. To provide a wider range of applications, the unit is equipped with two adjustable-tension springs and a double null indicator. The output circuit of the force compensation unit is connected to a secondary measuring device. 2. A modification of this pickup with independent control of the null indicators. One of the springs is connected to an auxiliary lever which is pressed against a stop by a second spring fastened to the pickup frame. The power lever acts against a lug on the auxiliary lever to move it away from the stop.

Card 1/2

UDC: 681.2.083.8:531.787.9

ACC NR: AP7004808



1--pickup frame; 2--sensitive element; 3--power lever; 4--spring for the lower setting; 5--contacts for the lower setting; 6--contacts for the upper setting; 7--springs for the upper setting; 8--adjustment screw for the upper setting; 9--adjustment screw for the lower setting; 10--stop; 11--auxiliary lever; 12--lug on the auxiliary lever

SUB CODE: 09, 13/ SUBM DATE: 02Oct65

Card 2/2