SEMISHIN, Vasiliy Ivanovich; TSVETKOVA, N.F., red.

[Laboratory work in general chemistry] Praktikum po obshchei khimii. Izd.5., ispr. i dop. Moskva, Izd-vo "Khimiia," 1964. 383 p. (MIRA 17:6)

SEMISHIN, V.I.; VOROTNITSKAYA, L.T.

Peroxide compounds of copper. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.4:551-554 '64. (MIRA 17:12)

1. Kafedra obshchey i organicheskoy khimii Moskovskogo instituta khimicheskogo mashinostroyeniya.

SEMISHIN, V.I.

Reviews. Izv.vys.ucheb.zav.; khim.i khim.tekh. 7 no.6:1026-1028 '64. (MIRA 18:5)

BELYAYEVA, V.A.; DRITS, V.A.; ZAKHVALINSKIY, M.N.; LARINA, V.A.; NAGORNAYA, Ye.F.; NIKULINA, S.Ye.; NAGORNYY, G.I.; SEMIUSOVA, T.N.

Characteristics of clays of the Troshkovskiy deposits of the Irkutsk Province. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 5 no.1:252-289 '61. (MIRA 16:8)

(Irkutsk Province--Clay--Analysis)

SEMIVOLOV, V.

A good initiative. Sov.shakht. 11 no.11:30 N '62. (MIRA 15:11)
(Coal miners--Education and training)

SEMIVOLOV, V.G., gornyy inzh.

Work practices of continuous brigades in the mines under the Donetsk Economic Council. Ugol' 37 no.6:36-39 Je '62. (MIRA 15:7)

(Donetsk Province—Coal mines and mining—Labor productivity)

SEMIVOLOV, V.G.; SHCHARANSKIY, B.M.

Concern about the safety of a miners' work. Ugol' Ukr. 9 no.12: 52 D '65. (MIRA 19:1)

ZASHKVARA, V.G.; SENICHENKO, S.Ye.; CHERKASSKAYA, E.I.; SEMISALOVA, V.N.

Effect of the size of the grain and of the sieve composition of coals on the coking process. Koks i khim. no.8:3-8 '62.
(MIRA 17:2)

1. Ukrainskiy uglekhimicheskiy institut.

SEMISOTOV, F.A.

Ope-tion of ventilation water-cooling towers in winter.
Sbor. rats. predl. vnedr. v proizv. no.2:44-45 '61.
(MIRA 14:7)

1. Novolipetskiy metallurgi heskiy zavod.
(Steelworks—cooling)

SEMITOV YU. YU.

USSR/Analytical Chemistry. General Topics C-1

Abs Jour : Referat Zhurnal - Khimiya, No 6, 1957, 19492

Author : V.M. Gorokhovskiy, Yu.Yu. Semitov
Inst : Kazan' University
Title : High Frequency Titration of Acids.

Orig Pub : Uch. zap. Kazansk. un-ta, 1956, 116, No 5, 97-102.

Abstract : The applicability of Q-meters and F-meters to the high frequency titration of a series of inorganic and organic acids at low concentrations and the possibility of step-by-step titration of polybasic acids were studied. It was established at the titration with a Q-meter (at 100 megacycles per second) that the titration curve of a mixture of HCl and CH_3COOH (2 - 4 ml of 0.01 n. HCl + 2 ml of 0.01 n CH_3COOH) has two points of inflection, the first of which answers the neutralization of H^+ of hydrochloric acid, and the second of which answers the neutralization of H^+ of acetic acid. At the determination of the concentration of HCO_3^- in natural waters, a V-shaped curve with a sharp inflection at

Card 1/2 - 15 -

KOCHERGIN, G.N., gornyy inzhener; SEMIVOLOV, V.G., gornyy inzhener

Hydraulic rock hoisting in the "IUzhnaia" Mine. Ugol' 36 no.11:39-40 N '61. (MIRA 14:11)
(Donets Basin--Mine hoisting--Hydraulic equipment)

PODKOLZIN, P.S., kandidat tekhnicheskikh nauk; POPOV, A.A., inzhener; PRESHMAN, I.B., inzhener; DANCHICH, V.V., inzhener; SEMIZ, M.D., otvetstvennyy redaktor; GORITSKIY, A.V., redaktor; SHPAK, Ye.G., tekhnicheskiy redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Blasthole drill] Instrument dlia bureniia shpurov. Moskva, Ugletekhizdat, 1953. 163 p. (MLRA 7:8)
(Boring machinery)

SEMIZ, M.D.

ATAULIN, V.V.; VLASOVA, R.M.; DAVYDOVA, Ye.A.; DANILENKO, I.S.; DZIOV, V.A.; DUBROVIN, A.P.; YEFANOVA, L.V.; KARPENKO, L.V.; KLEPIKOV, L.N.; KOTELEV, S.V.; LUK'YANOV, N.I.; MEL'NIKOV, N.V., prof., obshchiy red.; MKRTYCHAN, A.A.; NEMTINOV, A.M.; POGOSYANTS, V.K.; SEMIZ, M.D.; SKOBLO, G.I.; SLOBODCHIKOV, P.I.; SMIRNOV, V.M.; SUSHCHENKO, A.A.; SOKOLOVSKIY, M.M.; TRET'YAKOV, K.M.; FISH, Ye.A.; TSOY, A.G.; TSYPKIN, V.S.; CHEKHOVSKOY, P.A.; CHIZHIKOV, V.I.; ZHUKOV, V.V., red.izd-va; KOROVENKOVA, Z.L., tekhn.red.; PROZOROVSKAYA, V.L., tekhn.red.

[Prospects for the open-pit mining of coal in the U.S.S.R.; studies and analysis of mining and geological conditions and technical and economic indices for open-pit mining of coal deposits] Perspektivy otkrytoi dobychi uglia v SSSR; issledovanie i analiz gornogeologicheskikh uslovii i tekhniko-ekonomicheskikh pokazatelei otkrytoi razrabotki ugol'nykh mestorozhdenii. Pod obshchei red. N.V.Mel'nikova. Moskva, Ugletekhizdat, 1958. 553 p. (MIRA 11:12)

1. Vsesoyuznyy tsentral'nyy gosudarstvennyy proyektnyy institut "Tsentrogiproshakht." 2. Chlen-korrespondent AN SSSR (for Mel'nikov).

(Coal mines and mining)

L 47340-66 EWP(l)/EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AR6025735 SOURCE CODE: UR/0058/66/000/004/A075/A075

AUTHOR: Rarenko, I. M.; Pankevich, Z. V.; Pavlov, R. A.; Semizorov, A. F.

TITLE: Development of operating conditions and apparatus for the synthesis and growing of single crystals of $A^{II}B^{V}$ compounds, using physico-chemical analysis

SOURCE: Ref. zh. Fizika, Abs. 4A627

REF SOURCE: Sb. Simpozium. Protsessy sinteza i rosta kristallov i plenok poluprovodnik. materialov, 1965. Tezisy dokl. Novosibirsk, 1965, 32-34

TOPIC TAGS: single crystal growing, zinc compound, cadmium compound, antimonide, stoichiometry

ABSTRACT: The possibility of obtaining single crystals of CdSb and ZnSb was investigated. Single crystal p- and n-type CdSb with a carrier density ~1 x 10^{14} cm^{-3} at 77K was grown by the Czochralski method, using specially constructed apparatus, in various inert gases at pressures 0.1 - 3 kg/cm^2. The temperature of the melt and of the space over the melt was maintained constant by separate thermal regulators accurate to ±0.05C. A physico-chemical analysis was made of alloys of the Cd-Sb system, with stoichiometric and near-stoichiometric composition, in the temperature interval up to 650C. Apparatus in which conditions could be created for obtaining single-phase crystals of compounds that melt non-congruently was constructed and used to grow ZnSb crystals. [Translation of abstract]

SUB CODE: 20

Card 1/1 pb

YEVDOKIMOV, T. A., kand. tekhn. nauk; SEMIZOROV, I. Ye., inzh.

Practices in the maintenance of capron bearings. Stroi. i dor. mash. 10 no.7:33-36 Jl '65. (MIRA 18:8)

SEMIZOROV, V.P., inzh.

Seepage in the foundation and in the joints of a spillway dam. Gidr. stroi. 32 no.12:40-41 D '61. (MIRA 15:2)
(Soil percolation)
(Dams)

S/196/62/000/009/012/018
E114/E184

AUTHOR: Semizorov, V.P.

TITLE: Filtration of water through the base and at the joints of a spillway dam

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.9, 1962, 10, abstract 9 D62. (Gidrotekhn. str-vo, no.12, 1961, 40-41).

TEXT: A concrete spillway dam is built on recent deposits, with k_f = 0.01-0.025 cm/sec., comprising sandy clay, sand loam, sands with gravel and pebbles. The underground circuit comprises the front part of the spillway, part of the foundation plate for the spillway and two rows of metal sheet piling. The drains are led under the downstream tooth of the spillway. Observations on the spot have shown that the pressure drop across the front piling and main piling comprises in all 51.2-61% and 27-34.8% (design figures were 46% and 26%); at the front of the spillway 1.3-4%; on the foundation plate 2.1% and 4%; residual pressure in the drains 10 (designed for 18.5).

Card 1/2

Filtration of water through the ... S/196/62/000/009/012/018
E114/E184

Filtration characteristics are also given for right and left bank dam joints.

[Abstractor's note: Complete translation.]

Card 2/2

DAVTYAN, O.K.; Prinimali uchastiye: EPIMAKHOV, Yu.K.; MISYUK, E.G.; BURSHTEYN, I.I.; SEMIZOROVA, N.F.

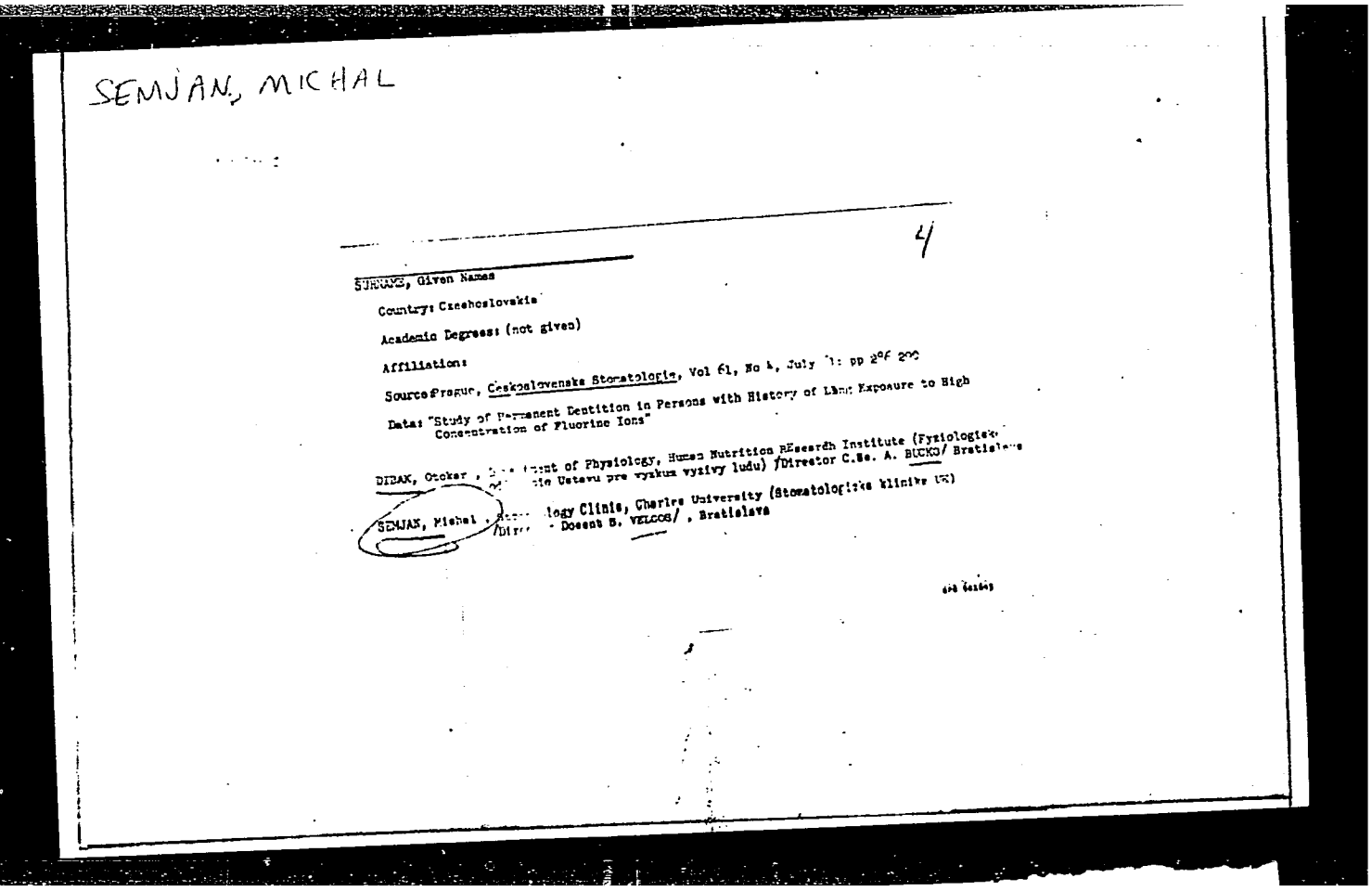
Mechanism of oxidation, hydrogenation, and electrochemical combustion on solid catalysts. Part 12. Zhur. fiz. khim. 39 no.4:877-883 Ap '65. (MIRA 19:1)

1. Odesskiy gosudarstvennyy universitet imeni Mechnikova. Submitted Aug. 17, 1963.

HRAZ, S.; SVAJA, J.

Lymphography with the use of contrast media. Cesk. otolaryng. 14 no.5:283-285 O '65.

1. Otolaryngologicke a rentgenologicke oddelenie vojenskej nemocnice v Kosiciach.



SEMJAN, MICHAL

4

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: (not given)

Affiliations:

Source: Prague, Ceskoslovenske Stomatologie, Vol 61, No 4, July 61: pp 297-300

Data: "Study of Permanent Dentition in Persons with History of Long Exposure to High Concentration of Fluorine Ions"

DIBAK, Otokar, [illegible] Institute of Physiology, Human Nutrition Research Institute (Fyziologicky ustav Ustavu pre vyskum vyzivy ludu) /Director C.Sc. A. BUCKO/ Bratislava

SEMJAN, Michal, [illegible] logy Clinic, Charles University (Stomatologicka klinika UK) /Director - Docent B. VELCOS/, Bratislava

VARICH, N.; SEMKA, A.

Completing construction by the method of combined technology. Avt. dor. 23 no.4:16-17 Ap '60. (MIRA 13:6)
(Road construction)

SEMKE, A.V., inzh.

Automation of the production of soda ash at the Slavyansk Soda Combine. Mekh.i avtom.proizv. 15 no.11:22-26 N '61. (MIRA 14:11)

(Slavyansk--Soda industry)
(Automation)

SEMKE, V.Ya.

Paranoic reactions and paranoic development in aged psychopaths.
Zhur. nevr. i psikh. 65 no.4:593-599 '65. (MIRA 18:5)

1. Psikhiatricheskaya klinika (zaveduyushchiy - prof. O.V. Kerbikov)
II Moskovskogo meditsinskogo inst tuta im. Pirogova.

SEMKE, V.Ya. (Moskva)

Role of psychogenic and somatogenic factors in the dynamics of psychopathies in old age. Zhur. nevr. i psikh. 65 no.5:737-741 '65. (MIRA 18:5)

SEMKHATOVA, S.; IVANOVA, Z.; MAKAROVA, T.; FILIPPOVA, M.

Information. Geol. nefti i gaza 4 no.11:3 of cover N '60. (MIRA 13:11)

(Geology, Stratigraphic)

GENGER, V.Ya.

Dynamics of psychopathies in old age. Zhur. nevr. i psikh. 64 no.11: 1688-1696 '64. (MIRA 18:6)

1. Kafedra psikhiatrii (zaveduyushchiy - prof. O.V. Kerbikov) II Moskovskogo meditsinskogo instituta im. Pirogova.

SMIRNOV, A.A., Cand Bio Sci—(diss) "Experimental substantiation of the use of speed loads in the training process of swimmers according to the data of motor reactions." Minsk, 1958. 16 pp (Inst of Biology, Acad Sci BSSR), 150 copies (KL,45-58, 145)

USSR / Human and Animal Physiology. Physiology of Work and Sport. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102339.

Author : Semkin, A. A.
Inst : Not given.
Title : The Change of the Latent Period of the Motor Reaction in Swimmers Under the Influence of Training.

Orig Pub: Teoriya i praktika fiz. kul'tury, 1958, 21, No 1, 67-71.

Abstract: By means of verbal instruction, conditioned reflexes to the stereotype of positive and negative stimuli were worked out in tested individuals. The latent period (LP) of the motor reaction was measured to the hundredth of the second by means of an electric stop-watch. The duration of LP gradually shortened before as well as after alterations of the signal

Card 1/2

SPIRIDONOV, Aleksandr Aleksandrovich; SEMKIN, Anatoliy Alekseyevich; PATSKEVICH, I.R., kand. tekhn.nauk, retsenzent; KIRILLOV, A.A., inzh., red.; DUGINA, N.A., tekhn. red.

[New equipment for automatic hard facing by semicircular weaving arc] Novoe oborudovanie dlia avtomaticheskoi vibrodugovoi naplavki. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 72 p. (MIRA 14:7)

(Hard facing--Equipment and supplies)

BRAYNIN, I.Ye.; BUDINSHTEYN, R.I., Prinimali uchastiye: TURSUNOV, A.V.; KHARCHENKO, V.A.; KHOKHRYAKOV, B.D.; SEMKIN, A.T.; FILATOV, N.G.; KAREVA, A.G.

Industrial experimentation in patenting rope wire in two baths. Izv.vys.ucheb.zav.; chern.met. 4 no.6:139-144 '61. (MIRA 14:6)

1. Donetskiy politekhnicheskiy institut.
(Annealing of metals) (Wire drawing)

SEMKIN, G. P.

SEMKIN, G. P.

Irrigation

Utilisation of irrigated lands of collective farms of the Voronezh province. Gidr. i mel. 4 no. 2, 1952

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

1. SEMKIN, G. P.

2. USSR (600)

4. Voronezh Province - Irrigation Farming

7. Organization of labor in irrigation farming on collective farms of Voronezh Province. Sots. sel'khoz. 24, No. 4, 1953.

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

LOKTEV, V.; SEMKIN, I., red.; YERMOLENKO, V., tekhn. red.

[The workday in the U.S.S.R.] Rabochii den' v SSSR. Minsk, Gos.izd-vo BSSR. Red. sotsial'no-ekon.lit-ry, 1961. 46 p. (MIRA 15:1)

(Hours of labor)

LISITSYN, Nikolay Andreyevich; SEMKIN, I., red.; DOMOVSKAYA, G., tekhn. red.

[State plan is the law of developing production] Gosudarstvennyi plan - zakon razvitiia proizvodstva. Minsk, Gos.izd-vo BSSR, Red. sotsial'no-ekon. lit-ry, 1961. 30 p. (MIRA 15:1)
(Russia--Economic policy)

SEMKIN, I.

Economic efficiency of mixed brigades in mining. Biul.nauch. inform.: trud i zar. plata 5 no.3:31-33 '62. (MIRA 15:3)
(Gukovo--Coal mines and mining)

SEMKIN, Iosif Danilovich; AVERIN, Sergey Ivanovich; RADCHENKO, Irina Ivanovna; KOVALEV, A.P., prof., doktor tekhn. nauk retsenzent; TELEGIN, A.S., dots., kand. tekhn. nauk, retsenzent

[Fuel and fuel management in metallurgical plants] Toplivo i toplivnoe khoziaistvo metallurgicheskikh zavodov. Moskva, Metallurgiia, 1965. 391 p. (MIRA 18:11)

SEMKIN, I.I.

USSR/Mining

Card 1/1

Authors : Semkin, I. I.

Title : The Speed-Up Slope Sinking of Shafts.

Periodical : Mekh. Trud. Rab. Ed. 3, 20 - 22, Apr - May 1954

Abstract : General information on new work procedures adopted during the slope-sinking of shafts in coal mine # 17, of Rostov coal combine. The information deals with the use of metal supports, organization of individual work shifts, methods of drilling and machinery used during the excavation. Tables; graphs; drawings.

Institution : ....

Submitted : ....

SEMKIN, I.I., inzhener.

Using the PMU-1 loading machine in sinking slope shafts. Mekh. trud.rab. 8 no.8:12-14 D '54. (MLRA 8:1)
(Mining machinery)

SEMKIN, I.

Equal working conditions but varying results. Mast.ugl.4 no.11:17 N '55. (MLRA 9:2)

1.Nachal'nik normativno-issledovatel'skoy stantsii No.2, g.Shakhty. (Donets Basin--Coal mines and mining)

SEMKIN, I., inzhener.

Experience acquired in mining in Almaznaia Mine. Mast.uglia 5 no.1:7-8 Ja '56. (MLRA 9:5)
(Donets Basin--Coal mines and mining)

SEMKIN, I., inzh.

Crossover switch. Mast.ugl. 9 no.12:18-19 D '60. (MIRA 13:12)

1. Normativno-issledovatel'skaya stantsiya No.2 kombinata Rostovshakhtostroy.

(Mine railroads--Switches)

SEMKIN, I.I., inzh.

Rock loading machinery in mines. Ugol' Ukr. 5 no.4:29-30 Ap '61. (MIRA 14:4)

1. Kombinat Rostovshakhtostroy.
(Mining machinery) (Loading and unloading)

SEMKIN, N.V.

It is imperative that we manufacture light colored sole leather.
Leg.prom. 15 no.12:13 D '55. (MLRA 9:5)
(Shoe industry)

SEMKIN, R.M., inzh.; GUR'YEV, I.Ya., inzh.

Repair of TVF-200-2 and TGV-200 turbogenerators. Energetik 12 no.11:35-38 N '64 (MIRA 18:2)

SEMKIN, Vl., slesar'

A miner's disposition. Sov. profsoiuzy 7 no.11:34-35 Je '59.
(MIRA 12:9)

1.Rudoremontnyy zavod tresta "Dzerzhinskruda."
(Kirovka--Inventions, Employees')
(Mining engineering)

SEMKIN, Vladimir, slesar'

Aleksandr Rostal'nyi, scout of the future. Sov. profsoiuzy 16 no.22:11-12 N '60. (MIRA 14:1)
(Krivoy Rog Basin—Iron miners)
(Krivoy Rog Basin—Socialist competition)

KHVOSTENKOV, S.I.; CHERNOBAYEVA, N.I.; SEMKIN, V.I.

Physicochemical properties and utilization of recovered dust.
TSement 28 no.3:16-17 My-Je '62. (MIRA 15:7)

1. Novorossgiprotsement.
(Dust)
(Cement plants)

MAGNITSKAYA, V.S.; SEMKIN, V.I.

The "Folaks" Grate Cooler. Sbor.trud. Novorossgiprotsementa no.1:62-69 '61. (MIRA 16:2)
(Cement plants--Equipment and supplies)

TELESHOVA, M.N.; VASIL'YEVA, A.A.; SEMKIN, V.I.

Individual composition of gasoline from crude oil of the Novo-Elkhovsk field of the Tatar A.S.S.R. Khim. i tekh. topl. i masel 8 no.10:14-16 O '63. (MIRA 16:11)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

SEMKIN, V.I.

Traumatic shock i children. Pediatriia 42 no.3:49-54 Mr'63
(MIRA 17:2)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. N.S. Makokha) Omskogo meditsinskogo instituta imeni M.I.Kalinina. Nauchnyye rukovoditeli - prof. G.D. Shushkov, Leningrad i prof. V.P. Bisyarina, Omsk).

SEMKIN, V.P.

The Ad-15M mechanism for screwing and unscrewing pump and compressor tubing. Neftianik 1 no.8:15-18 Ag '56. (MIRA 9:11)

1. Nachal'nik tekhnicheskogo otdela Bakinskogo priborostroitel'nogo zavoda.
(Oil well pumps)
(Oil wells--Equipment and supplies--Repairing)

SHCHUKINA, L.A.; SEMKIN, Ye.P.

Oxidative and oxidative-hydrolytic transformations of organic molecules. Part 25: The hydrolytic and oxidative-hydrolytic cleavage of 2-phenyl- and 2-benzyl-3-hydroxy-1, 4-naphthoquinones. Zhur.ob. khim. 26 no.6:1695-1701 Je '56. (MIRA 11:1)

1. Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR.
(Naphthoquinone) (Chemical reaction--Mechanism)

SEMKIN, Ye.P.

"Oxidative and oxidative-hydrolytic transformations of organic molecules. XXV. Hydrolytic and oxidative-hydrolytic cleavage of 2-phenyl- and 2-benzyl-3-hydroxy-1,4-naphthoquinones." L. A. Shchukina and E. P. Semkin. *J. Gen. Chem. U.S.S.R.* 26, 1901–6(1956)(English translation). —See *C.A.* 51, 1920*h*. XXVI. Preparation of trioxo carboxylic acids under conditions of Hooker reaction. L. A. Shchukina. *Ibid.* 1907–13.—See *C.A.* 51, 1921*c*. XXVII. Tautomeric transformations and properties of hydroxy and chloro oxo carboxylic acids. L. A. Shchukina and M. M. Shemyakin. *Ibid.* 1915–20.—See *C.A.* 51, 1921*h*.

B. M. R...

4

4E4j

SHEMYAKIN, M.M.; SHCHUKINA, L.A.; VINOGRADOVA, Ye.I.; KOLOSOV, M.N.; VDOVINA, R.G.; KARAPETYAN, M.G.; RODIONOV, V.Ya.; RAVDEL', G.A.; SHVETSOV, Yu.B., BAMDAS, E.M.; CHAMAN, Ye.S.; YERMOLAYEV, K.M.; SEMKIN, Ye.P.

Research data on sarkomycin and its analogues. Part 1: Synthesis of dihydrosarkomycin and its antipode. Zhur. ob. khim. 27 no.3:742-748 Mr '57. (MLRA 10:6)

1. Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR.

(Sarkomycin)

5(3)

AUTHORS: Shemyakin, M. M., Shigorin, D. N., Shchukina, L. A., Semkin, Ye. P.

SOV/62-59-4-20/42

TITLE: Structure and Mechanism of the Hydrolytic Splitting of α-Nitro-α-Phenylacetophenon o-Carboxylic Acid (Stroyeniye i mekhanizm gidroliticheskogo rasshchepleniya α-nitro-α-fenil-atsetofenon-o-karbonovoy kisloty)

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 4, pp 695-698 (USSR)

ABSTRACT: To determine the structure of α-nitro-α-phenylacetophenone-o-carboxylic acid and its salts the spectra of these compounds were investigated in the present work (Table 1). These investigations have provided an answer to the question relating to their structure and their different behavior in the presence of hydrolyzing agents. As was to be expected, α-nitro-α-phenylacetophenone-o-carboxylic acid, like other aromatic o-aldehyde-(keto)-acids, has the structure of lactol (IIIb) rather than that of the keto acid (IV) in the crystalline state as well as in solution. After the actual structure of the α-nitro-α-phenylacetophenonic acid and of its disodium salt had been clarified, its different behavior in the

presence of hydrolyzing agents has been understood. As was shown before (Ref 3) the C—C bonds can split in those compounds in which a prototropic group (V) is present or can be formed in the molecule. The tendency to split depends directly on the degree of polarization of the C—C bond under the action of the substituent. α-Nitro-dinitrophenylacetophenone-o-carboxylic acid itself, having a lactol (IIIb) structure, does not only contain the required group (V) but also a nitro group which can polarize the splitting bond to a very high degree in the required direction. For this very reason the acid (IIIb) splits easily to form phthalic acid anhydride and phenylnitromethane if the pH-value of the solution exceeds 7. In the molecule of the disodium salt, on the other hand, the prototropic group (V) is not contained nor can it be formed by hydration owing to the structure of this salt. This fact is responsible for the resistance of this compound to hydrolytic splitting. There are 1 table and 11 references, 8 of which are Soviet.

Structure and Mechanism of the Hydrolytic Splitting of α-Nitro-α-Phenylacetophenon -o-Carboxylic Acid SOV/62-59-4-20/42

ASSOCIATION: Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR (Institute of Biological and Medical Chemistry of the Academy of Medical Sciences, USSR)

SUBMITTED: July 13, 1957

Card 3/3

SHCHUKINA, L.A.; SEMKIN, Ye.P.

Oxidative and oxidative-hydrolytic transformations of organic molecules. Part 34: Synthesis, properties, and hydrolytic transformations of halo- and hydroxytriketones of the tetralin series. Zhur.ob.khim. 32 no.2:473-483 F '62. (MIRA 15:2)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
(Naphthalene)
(Ketones)

SHCHUKINA, L.A.; SEMKIN, Ye.P.

Oxidative and oxidative-hydrolytic transformations of organic molecules. Part 35: Synthesis and properties of polyfunctional substituted indans. Zhur.ob.khim. 32 no.2: 483-493 F '62. (MIRA 15:2)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
(Indan)

ZHDANOV, G.L.; SHCHUKINA, L.A.; SOROKINA, I.B.; MAL'KOVA, V.P.; SEDOV, K.A.; RYABOVA, I.D.; SEMKIN, Ye.P.

Study of the biological activity of N-dichloroacetyl-D, L-serine. Dokl. AN SSSR 143 no.5:1222-1224 Ap '62. (MIRA 15:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR. Predstavleno akademikom M.M.Shemyakinym.

(Serine)

ZHDANOV, G. L.; SOROKINA, I. B.; MAL'KOVA, V. P.; SEMKIN, Ye. P.

Role of individual molecule groupings of N-dichloroacetyl-D, L-serine in its biological activity. Dokl. AN SSSR 147 no.6: 1510-1511 D '62. (MIRA 16:1)

1. Predstavleno akademikom M. M. Shemyakinym.

(Serine) (Regeneration(Biology))

SHCHUKINA, L. A.; ZHUZE, A. L.; SEMKIN, Ye. P.; KRASNOVA, S. N.

Depsipeptide analogs of biologically active peptides. Report No. 1: Synthesis of depsipeptide analogs of ophthalmic acid and glutathione. Izv AN SSSR Ser Khim no. 4:685-692 Ap '64. (MIRA 17:5)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

PUDOVIK, A.N.; MURATOVA, A.A.; SEMKINA, E.E.

Reactions of dialkylphosphinic acid esters with trialkyl tin halides. Zhur.ob.khim. 33 no.10:3350-3353 O '63. (MIRA 16:11)

1. Kazanskiy gosudarstvennyy universitet.

BEZBORODOV, A.M.; GREKOVA, V.K.; SEMKINA, L.Ye.; UKHVATOVA, N.M.

Biochemical chracteristics of variants of Escherichia coli obtained through the action of a complete antigen from Bacillus breslau. Eksp. i klin. issl. po antibiot. 1:79-85 '58. (MIRA 15:5)
(ESCHERICHIA COLI) (SALMONELLA)
(ANTIGENS AND ANTIBODIES)

BEZBORODOV, A.M.; GREKOVA, V.K.; SEMKINA, L.Ye.; UKHVATOVA, N.M.

Biochemical nature of the phenomenon of alkali formation; preliminary report. Eksp. i klin. issl. po antibiot. 1:93-98 '58. (MIRA 15:5)
(ESCHERICHIA COLI) (ALKALIES)

BEZBORODOV, A.M.; SEMKINA, L.Ye.

Amino acids in the mycelium and culture medium during the cultivation of Act. aureofaciens. Antibiotiki 7 no.2:118-124 F '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy institut antibiotikov, Leningrad.
(ACTINOMYCES) (AMINO ACIDS)

SEMKINA, L.Ye.; MUSTAFOVA, N.N.; GREKOVA, V.K.

Characteristics of the growth and development of Penicillium nigricans under conditions of submerged griseofulvin biosynthesis. Antibiotiki 8 no.8:701-705 Ag '63. (MIRA 17:5)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

ZHMAY, L.A.; OLEVSKIY, V.M.; Prinimali uchastiye: KARANT, T.I.; YAKOVLEVA, N.S.; SEMKINA, N.S.; SKAMEYKIN, V.I.

Mass exchange in tubular wetted-wall columns. Khim. prom. 40 no.10:757-762 O '64. (MIRA 18:3)

SEMKINA, N. V.

SEMKINA, N. V. -- "The Caking of Kaolin, Fireproof Clay, and Refractory Mass Depending on the Admixture of Various Oxides and on the Heat-pressure Treatment of Clay and Kilning of Chamotte." Min Higher Education USSR, Ural Polytechnical Inst imeni S. M. Kirov, Sverdlovsk, 1956. (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No 44, October 1956

SEMKINA, N.V.

PHASE I BOOK EXPLOITATION SOV/4959

Ural'skoye soveshchaniye po spektrosk...

Materialy 2 Ural'skogo soveshchaniya po spektroskopii, Sverdlovsk, 1958 g. (Materials of the Second Urals Conference on Spectroscopy, Held in Sverdlovsk, 1958) Sverdlovsk, Metallurgizdat, 1959. 206 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: Ural'skiy filial Akademii nauk SSSR. Komissiya po spektroskopii and Ural'skiy dom tekhniki VSNTO.

Eds.: Aron Borisovich Shayevich and Gennadiy Pavlovich Skornyakov; Tech. Ed.: N. M. Matlyuk.

PURPOSE: This collection of articles is intended for spectral analysis laboratory workers at ferrous and nonferrous metallurgical plants, and for laboratory personnel of the metal-working industry, geological and prospecting organizations, and similar scientific research laboratories.

COVERAGE: The collection contains papers read at the Second Urals Conference on the spectral analysis of ferrous and nonferrous metals and alloys, slags, ores, agglomerates, refractories and other materials used in industry. The material of the conference includes articles on the analysis of steels (including the determination of gases), ferroalloys, nonferrous and light metals and alloys, pure noble metals, etc. The present volume is intended to disseminate the latest experience in working with spectral laboratories, and to report on the results of scientific research. The author thanks R. I. Gutkina and Yu. M. Buravlev. Almost all of the articles are accompanied by references.

AUTHORS: Mamykin, P. S., Semkina, N.V. SOV/131-58-7-8/14

TITLE: The Influence of Hydrothermal Treatment of Clays of the Bogdanovichskoye Deposit on Some of Their Properties (Vliyaniye gidrotermal'noy obrabotki glin bogdanovichskogo mestorozhdeniya na nekotoryye ikh svoystva)

PERIODICAL: Ogneupory, 1958, Nr 7, pp 325 - 326 (USSR)

ABSTRACT: This paper investigates the influence of such a treatment on the properties of the clay of the Mezhnikovskaya and Poldnevskaya beds of the Bogdanovichskoye deposit. The percentile chemical composition of the two types of clay is mentioned in table 1. The Mezhnikovskaya clay has a satisfactory plasticity and binding quality and can be used for the production of chamotte products. The Poldnevskaya clay has less plasticity and represents a baking clay. It is difficult to obtain products from it by means of the plastic or semi-dry method. The hydrothermal treatment was carried out as follows: the pressure in the autoclave was increased up to 8 atmospheres excess pressure in the course of 2 hours, and then it was again reduced to zero in the course of the next 2 hours. The whole cycle of the

Card 1/2

The Influence of Hydrothermal Treatment of Clays of the Bogdanovichskoye Deposit on Some of Their Properties

SOV/131-58-7-8/14

hydrothermal treatment lasted 12 hours. The temperature in the autoclave amounted to from 160 to 170° in the case of the highest pressure. Then the production of the different sample products was described. The changes in the quality of the clay after its treatment are given in table 2. As may be seen, the plasticity increased and the baking temperature dropped. In some cases such a treatment can be considered useful as regards technological aspects. There are 2 tables and 3 Soviet references.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S.M. Kirova (Ural Polytechnical Institute imeni S. M. Kirov)

1. Clays--Processing 2. Clays--Properties 3. Clays--Applications

Card 2/2

SLMKINA, N.V.

15(0) SOV/131-59-1-9/12

AUTHORS: Karklit, A. K., Potemkin, P. S.

TITLE: Conference of Young Specialists (Konferentsiya molodykh spetsialistov)

PERIODICAL: Ogneupory, 1959, Nr 1, pp 47-47 (USSR)

ABSTRACT: This conference of young specialists of the Vsesoyuznyy institut ogneuporov (All Union Institute of Refractories) was held in Leningrad on November 13-14, 1958, with the participation of representatives of the youth workers and the Ukrainskiy institut ogneuporov (Ukrainian Institute of Refractories). The conference should represent a show of young engineers and technicians. N. P. Gordeyev, head of the Institute, outlined in his opening speech the work of young specialists of various special branches, designating it as successful. Further, the following reports are mentioned:
V. G. Yeger spoke about manufacturing methods of superstable pantiles made of boric siliceous rocks (borovichskaya "kremnevka").
N. V. Meshalkina reported on test results of the properties of magnesium solutions on liquid glass.
I. V. Vishnevskiy (UNIIO) reported on the dynamic method of determination of the modulus of elasticity at temperatures up to 1300-1400°.

Card 1/3

G. G. Mel'nikova spoke about the examination of the changes of phase composition of worn-out refractory magnesite-chromite products.
N. V. Senkina reported on elaboration results of spectroscopic methods for the alumina content in types of clay.
V. G. Sloushch stated the causes of bar fracture of the press CM-143 by means of tensometration.
G. A. Koba used a tensometric transmitter for the automatic control of mold charging on the press SM-143.
V. M. Lebedev reported on the working out of the design for a new furnace cart.
V. Z. Shron reported on sample taking devices of a new system.
A. M. Levin reported on the design of water supply and canalization.
M. Z. Perel'son dealt with questions of air dust collection.
M. M. Perel'muter, Ye. A. Grechneva and others submitted a new variant for the foundation of a tunnel kiln.
A. Z. Verdel' reported on the beginning of operation and installation of a rotary furnace at the Borovichskiy kombinat.

Card 2/3

As a principal default it was stated that part of the young specialists are still insufficiently familiar with the production. The measures provided for by the Party and Government to reform the universities and to strengthen their relations to works in operation shall improve the training of specialists.

ASSOCIATION: Vsesoyuznyy institut ogneuporov (All-Union Institute of Refractories)

Card 3/3

S/081/61/000/009/008/015
B101/B203

AUTHORS: Mamykin, P. S., Semkina, N. V.

TITLE: Sintering of Yeleninskiy kaolin as dependent on its roasting temperature and admixtures of the oxides MgO, CaO, Fe_2O_3, TiO_2, Na_2O, and K_2O

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1961, 319, abstract 9K228 (9K228) ("Tr. Vost. in-ta ogneuporov", 1959, vyp. I, 34 - 39)

TEXT: The authors studied the effect of the following oxides: Na_2O, K_2O, MgO, CaO, Fe_2O_3, and TiO_2 on the sintering process of elutriated kaolin from the Yeleninskoye deposit. The first two oxides were admixed in the form of sinters, the others as chemically pure oxides. The following quantities of admixtures were added referred to oxides: 0.5; 1.0; 1.5; and 2%. In the sintering process, part of the admixtures (Na_2O, K_2O, TiO_2) have an activating and intensifying effect on the process, the other admixtures (CaO, MgO) show an inhibitory effect. To

Card 1/2

Sintering of Yeleninskiy...

increase the degree of sintering it is necessary to diffuse the cation of the admixture in the crystal lattice thus forming intermediate compounds which destroy the lattice, or forming solid solutions which activate the lattice. [Abstracter's note: Complete translation.]

BRON, V.A.; SEMKINA, N.V.

Factors determining activated recrystallization sintering of aluminum oxide. Porosh.met. 2 no.5:26-35 S-O '62.
(MIRA 15:11)

1. Vostochnyy nauchno-issledovatel'skiy i proyektnyy institut ogneupornoy promyshlennosti.
(Aluminum oxide) (Sintering)

STRELOV, K.K.; MAMYKIN, P.S.; Prinimali uchastiye: BAS'YAS, I.P.; BICHURINA, A.A.; BRON, V.A.; VECHER, N.A.; VOROB'YEVA, K.V.; D'YACHKOVA, Z.S.; D'YACHKOV, P.N.; DVORKIND, M.M.; IGNATOVA, T.S.; KAYBICHEVA, M.N.; KELAREV, N.V.; KOSOLAPOV, Ye.F.; MAR'YEVICH, N.I.; MIKHAYLOV, Yu.F.; SEMKINA, N.V.; STARTSEV, D.A.; SYREYSHCHIKOV, Yu.Ye.; TARNOVSKIY, G.I.; FLYAGIN, V.G.; FREYDENBERG, A.S.; KHOROSHAVIN, L.B.; CHUBUKOV, M.F.; SHVARTSMAN, I.Sh.; SHCHETNIKOVA, I.L.

Institutes and enterprises. Ogneupory 27 no.11:499-501 '62. (MIRA 15:11)

1. Vostochnyy institut ogneuporov (for Strelov). 2. Ural'skiy politekhnicheskiy institut im. S.M. Kirova (for Mamykin).
(Refractory materials--Research)

IGNATOVA, T. S.; SEMKINA, N. V.

Irkutsk Province quartzites as a raw material for the production of dinas brick. Trudy Vost. inst. ogneup. no.2:186-188 '60. (MIRA 16:1)

(Irkutsk Province—Quartzite) (Firebrick)

L 16593-66 EWT(m)/EWA(h)/EWP(e)/EWP(t) WH/JD

ACC NR: AR5009000 UR/0137/65/[illegible]/[illegible]/[illegible]/[illegible]

AUTHOR: Semkina, N.V.; Permikina, N.M.; Kudryavtseva, T.H.

ORG: none

CITED SOURCE: Tr. Vost. In-ta Ogneporov, 1964, Nr 5, p49-69

TITLE: Jackets of immersion thermocouples made of thermal shock resistant corundum

SOURCE: Ref. zh. Metallurgiya, Abs. 2B101

TOPIC TAGS: thermocouple, ~~pyrometer~~, corundum, titanium dioxide, furnace, metallurgic furnace, crystal structure, alumina, annealing, steel, slag

ABSTRACT: Results are cited of studies made of the density, structure and thermal shock-resistance of corundum jackets, used for measuring temperature by the immersion method for steel and slag in open-hearth furnaces. A study of various admixtures and the effects of thermal treatment have shown that the greatest thermal shock-resistance is found in prismatic crystal structures. Prismatic crystal texture may be achieved by either the addition of TiO_2 to the alumina, which sharply intensifies the caking process and lowers its temperature by 250°, or by using lower temperatures, not exceeding 1450°, in the annealing process. Orig. art. has: 8 figures, 6 tables, and 27 references. V. Reznik.

SUB CODE: 13, 11/ SUBM DATE: 00

UDC: 669.183.536.53

Card 1/1 mst

L 38509-65 EPF(n)-2/EPA(s)-2/EPA(w)-2/EWP(k)/EWP(h)/EWA(c)/EWT(m)/EWP(b)/T/EWP(e)/
EWP(t)/EPR Pf-4/Ps-4/Pt-10/Pu-4/Pab-10 IJP(c) JD/GS
ACCESSION NR: AT5007728 S/0000/63/000/000/0110/0117

AUTHOR: Bron, V. A.; Semkina, N. V.

TITLE: Effect of the gaseous medium on the sintering and structure of corundum ceramics containing titanium dioxide

SOURCE: AN SSSR. Institut khimii silikatov. Silikaty i okisly v khimii vysokikh temperatur (Silicates and oxides in high-temperature chemistry). Moscow, 1963, 110-117

TOPIC TAGS: corundum, corundum ceramic, ceramic structure, ceramic sintering, titanium dioxide, corundum roasting

ABSTRACT: Pressed bars of corundum containing 1 wt. % TiO_2 were roasted in an oxidizing and reducing atmosphere. In the latter (CO), roasting was found to be adversely affected, as indicated by porosity and density measurements. Microscopic studies showed that the microstructure of corundum ceramics containing TiO_2 is one of the primary factors determining the heat resistance, which was 10 to 15 times greater in samples roasted in the oxidizing atmosphere than in those roasted in CO. It was found that corundum containing TiO_2 in solid solution sinters better in an

Card 1/2

L 38509-65

ACCESSION NR: AT5007728 0

oxidizing atmosphere than in a reducing one; this is due to the characteristics of the activator of sintering (TiO_2), in which the valence changes with the gaseous medium. In the authors' view, the study is of great theoretical importance because it lays the groundwork for an interpretation of the mechanism governing the sintering effect of an activator, not only in the case of corundum, but also other oxides. The study is also significant for practical applications, since it shows the necessity of roasting corundum ceramics containing TiO_2 in an oxidizing medium. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 0000063 ENCL: 00 SUB CODE: MT

NO REF SOV: 015 OTHER: 003

Card 2/2

DEKONNOR, A., kand. sel'skokhozyaystvennykh nauk; SEMKINA, P. F., kand. sel'skokhozyaystvennykh nauk.

A useful publication. Nauka i pered. op. v sel'khoz 8 no.12:72-73 D '58. (MIRA 12:1)

(Agriculture--Periodicals)

M

Country : USSR
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol.,No 22, 1958, No 100226

Author : Semkina, P.F.
Inst : Khar'kov Agricultural Institute
Title : Development by Stages in the Plants and Winter Resistance of Winter Wheat.

Orig Pub: Zap. Khar'kovsk. s.-kh. in-ta 1958, 15 (52), 9-16

Abstract: No abstract.

Card : 1/1

ACCESSION NR: AP4043380

netic working was carried out at 300C for five hours. The temperature dependence obtained was the same as for a ferrite with another composition investigated by one of the authors (N. Z. Miryasov, I. M. Puzey, FTT, v. 6, 284, 1964). Calculations based on the theory of preferred orientation show that the temperature dependence of the anisotropy constant is proportional to the square of the spontaneous magnetization. A check of the experimental results confirmed this dependence. "The authors thank I. M. Puzey for providing the opportunity of carrying out the corresponding measurements, and for valuable advice." Orig. art. has: 2 figures and 2 formulas.

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 11Feb64 ENCL: 01

SUB CODE: SS NR REF SOV: 001 OTHER: 002

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001547920005-8"

L 11081-65 EWT(l)/EPA(s)-2/EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(b) Pf-4 IJP(c)/
AS(mp)-2/AFMD(t)/ASD(d)/ASD(a)-5/ESD(dp) BC/GD/HW

ACCESSION NR: AP4046632 S/0181/64/006/010/3131/3136

AUTHORS: Miryasov, N. Z.; Semkina, V. A. (B)

TITLE: Ferromagnetic resonance in a ferrite with induced uniaxial anisotropy

SOURCE: Fizika tverdogo tela, v. 6, no. 10, 1964, 3131-3136

TOPIC TAGS: ordered alloy, ferrite, ferromagnetic resonance, line width, absorption band, induced anisotropy

ABSTRACT: In view of the possibility of reducing the resonance-absorption line width by means of inducing uniaxial anisotropy, the authors investigated ferromagnetic resonance absorption in a polycrystalline ferrite having perminvar properties and amenable to thermomagnetic working. The ferrite had a composition $Co_{0.02}Ni_{0.36}Zn_{0.36}Cr_{0.2}Fe_{2.06}O_4$, whose properties were investigated by one of

Card 1/3

L 11084-65
ACCESSION NR: AP4046632

the authors earlier (with S. A. Sorokina, FTT v. 5, 2, 641, 1963; with I. M. Puzey, FTT v. 6, 294, 1964). The ferromagnetic resonance was investigated in spherical samples 1.4 mm in diameter by a standard method, using a short circuited waveguide section at 9,520 Mcs. The thermomagnetic treatment was at 250C for 5 hours in a field H = = 3,000 Oe. The investigations were made in the temperature interval 150--570C, in which the resistance of the sample changed from 10^5 to 10^3 ohm-cm. The quantities measured were the uniaxial magnetic anisotropy, the ferromagnetic resonance absorption line width, and the resonant field. The temperature dependence of the induced anisotropy constant measured at high frequencies turn out to differ noticeably from that measured under static conditions in the earlier investigation. The present theory of directional ordering, which is in good agreement with all other results, cannot provide a satisfactory explanation of this anomaly. The temperature dependence of the resonance absorption line width also discloses appreciable anomalies at low temperatures, for which no perfectly satisfactory

Card 2/3

L 11064-65
ACCESSION NR: AP4046632

explanation is found. Orig. art. has: 4 figures and 1 formula.

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 11Feb64 ENCL: 00

SUB CODE: MM, SS NR REF SOV: 004 OTHER: 005

Card 3/3

L 00482-66 EWT(1)/EWT(m)/T/EWP(t)/EED-2/EWP(b)/EWA(c) IJP(c) JD/HW

ACCESSION NR: AP5012587 UR/0181/65/007/005/1577/1579

AUTHOR: Miryasov, N. Z.; Semkina, V. A.

TITLE: Temperature dependence of ferromagnetic resonance parameters on ferrites with induced uniaxial magnetic anisotropy

SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1577-1579

TOPIC TAGS: ferromagnetic resonance, ferrite, magnetic annealing, anisotropy

ABSTRACT: This is a continuation of earlier investigations of the effect of thermomagnetic treatment and of perminvar properties of ferrites containing cobalt (FTT v. 6, 3131, 1964 and earlier papers). The purpose of the present investigation was to determine the influence of the induced anisotropy, due to ion diffusion, on the temperature variation of the resonant field (H_{res}) and of the width ($2\Delta H$) of the resonance absorption curve, and also to clarify the role played by the Fe^{2+} ions in the temperature variation of these ferromagnetic-resonance parameters in spinel-type ferrites having a negative constant of cubic magnetic anisotropy. Two ferrites, with compositions $Co_{0.02}Ni_{0.52}Zn_{0.28}Fe_{2.2}O_4$ (A) and $Co_{0.02}Ni_{0.52}Zn_{0.28}Cr_{0.2}$ $\cdot Fe_2O_4$ (B), were investigated. Magnetic annealing of the ferrite samples was carried out at 320C for four hours in a field of 3000 Oe. In all other respects,

Card 1/2

L 00482-66
ACCESSION NR: AP5012587

the magnetic annelaing as well as the measurement of the ferromagnetic resonance were the same as in the earlier investigation. The results of the tests are as follows: 1. Magnetic annealing leads to the occurrence of an anisotropic field, defined as the difference between the resonant fields along the direction of easy and light magnetization. 2. A dip appears on the curves of $2\Delta H$, corresponding to the direction of easy magnetization (at 195 and 230K for compositions A and B, respectively). It is established that at these temperatures the natural cubic anisotropy reverses sign. 3. The resonance absorption is anisotropic, and increases rapidly at temperatures in which the induced anisotropy constant increases strongly. The results give grounds for assuming that the character of the temperature dependence of the resonant properties is connected with the additive action of two types of anisotropy--natural cubic, and uniaxial induced by the magnetic annealing. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Moskovskiy gosudarstvenny universitet im. M. V. Lomonosova (Moscow State University) 44,55

SUBMITTED: 25Dec64 ENCL: 00 SUB CODE: SS

NR REF SOV: 003 OTHER: 002

Card 2/2

L 16024-66 EWP(l)/EWP(e)/EWT(m)/EWC(k)-2/T/EWP(t)/ETI/EWP(k) IJP(c) WW/RM/JG/
ACC NR: AP6015485 EW/JG A) SOURCE CODE: UR/0181/66/008/005/1582/1584

58
B

AUTHOR: Miryasov, N. Z.; Semkina, V. A.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: The effect of small additions of Co^{++} on the ferromagnetic resonance of thermomagnetically treated Ni-Zn-Cr ferrites

SOURCE: Fizika tverdogo tela, v. 8, no. 5, 1966, 1582-1584

TOPIC TAGS: ferrite, ferromagnetic resonance, thermomagnetic effect, cobalt

ABSTRACT: The examined ferrite specimens had a composition $Co_x(NiZn)_{0.8-x}Cr_{0.2}Fe_2O_4$; where x=0, 0.02, 0.04, 0.06, and 0.08. The specimens were prepared from the same initial materials and under similar technological conditions. The content of Fe^{++} was 0.03%; the specific electrical resistance was in the range of 10^5 to 10^6 ohm·cm. The temperature relationship of the absorption band width, the resonance field, and the anisotropy field were examined in the 77 to 520°K range. The investigation results suggest that the interactions between the ions of Co^{++} and their environment is of an extremely complex nature, and they they have an enormous effect on the magnitude and the temperature relationship of the ferromagnetic anisotropy of ferrite-spinels. Orig. art. has: 1 figure, 1 table.

SUB CODE: 20/ SUBM DATE: 15Mar65/ ORIG REF: 002/ OTH REF: 003

awm

Card 1/1

SEMKIV, V.I.

Lower Cretaceous sediments of the Karabi region (Krasnorodsk Peninsula). Trudy Turk. fil. VNII part 3 no.6[illegible] '63 (MIRA 17:8)

SEMKIV, V.I.; ALEKSEYEVA, L.P.

Recent data on the stratigraphic position of the red series occurring at the basement of the Barremian stage in the Dongra section (Tuar-kyr). Trudy Turk. fil. VNII Part 3 no.6:17-20'63 (MIRA 17:7)

BARANOV, D.I.; SEMKIV, V.I.

Reservoir rock properties of the Lower Cretaceous prospecting areas in Turkmenistan. Trudy Turk. fil. VNII Part 6 no.6:21-29'63 (MIRA 17:7)

SEMKIV, V.I.; YARDZHANOV, A.

Stratigraphy and lithology of the Lower Cretaceous sediments in the Farab region. Trudy Turk. fil. VNII Part C no.6:29-33 '63. (MIRA 17:7)

PIROGOV, Nikolay Ivanovich; AKODUS, Ya.I., dotsent; KOCHERGIN, I.G., retsenzent toma; SMIRNOV, Ye.I., retsenzent toma; RUFANOV, I.G., otv. red.; BAKULEV, A.N., zam. otv. red.; MAKSIMENKOV, A.N., zam. otv. red.; PETROV, B.D., zam. otv. red.; VISHNEVSKIY, A.A., red.; GESELEVICH, A.M., red.; DAVYDOVSKIY, I.V., red.; KORNEYEV, V.M., red.; KOCHERGIN, I.G., red.; KROTKOV, F.G., red.; SEMKKA. S.A., general-mayor med.sluzhby,dots.red. toma;RUSANOV,S.A.,prof.red.toma; BEL'CHIKOVA, Yu.S., tekhn. red.

[Collected works in eight volumes] Sobranie sochinenii v vos'mi tomakh. Moskva, Gos.izd-vo med.lit-ry. Vol.5.[Principles of general military field surgery] Nachala obshchei voenno-polevoi khirurgii. Pt.1. [Sevastopol letters] Sevastopol'skie pis'ma. 1961. 638 p. (MIRA 15:1)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kochergin). 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Smirnov).
(SURGERY, MILITARY)
(CRIMEAN WAR, 1953-1856—MEDICAL AND SANITARY AFFAIRS)

SEMKO, A.P.

Cast crankshafts for compressors. Lit. proizv. no.12:40 D '64.
(MIRA 18:3)

SEMKO, B.P., inzhener; REZNIKOV, V.T., inzhener.

Scientific and technical conference of young Ukrainian scientists.
Ugol' 32 no.7:47 Jl '57. (MLRA 10:7)
(Coal mines and mining) (Ukraine--Scientists)

SEMKO, B.P.

Kinetics and dynamics of the process of the bucket of a rock-loading machine digging into a rock dump. Vop. rud. transp. no.3:379-389 1959. (MIRA 14:4)

1. Institut gornogo dela AN USSR.
(Mining machinery)

SEMKO, B.P., inzh.

Effect of the weight of a shovel loader on the porcess of penetration into a rock pile. Vop.rud. transp. no.4:390-407 '60. (MIRA 14:3)

1. Institut gornogo dela AN USSR.
(Ore handling—Equipment and supplies)