"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAICHNIKOVA, YE. A.

21

Ca

**Action of oil-well waters on cement.** V. I. Grodzovskaya and E. A. Yaichnikova. *Azerbaidzhanskoe Neftyanoe Khoz.* 1936, No. 6, 70-81.—Hydration of cements with alk. oil-well waters produces a mortar of slightly lowered strength. The strength of the concrete decreases mainly in the initial periods. Water high in Cl salts increases the strength of "Kaspii" cement and decreases that of "Vorovskii" cement. The mechanical strength of "Vorovskii" cement is increased by raising the water temp. with either sea or fresh water; the strength of "Kaspii" cement waters is increased with increase in temp. on hydration with oil-well water and it is lowered when fresh water is used. An excess of water entering from the strata may retard or inhibit completely the setting of the cement in the well.

A. A. Boehtlingk

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

22

**The use of density-increasing substances and of reagents in the preparation of drilling mud.** E. A. Yalchnikova. *Azerbaidzhanskoe Neftyanoe Khoz.* 1938, No. 10, 30-3; *Khim. Referat. Zhur.* 2, No. 4, 110(1939). To replace $BaSO_4$ for increasing the d. of drilling muds the residues of $H_2SO_4$ production of the Baku and the Konstantinov plants and hematite from Krivoi Rog were used. Pos. results were obtained in both cases. The residues, having a sp. gr. of 3.83, increased the d. of the muds only to 1.8. A large amt. of the reagents and of water was needed which increased the vol. of the mud by almost 100%. An increase of the d. of the muds with hematite was most effective. The results obtained must be verified under production conditions. W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

CA

22

**Oil-well drilling fluid.** B. A. Yaichnikova and P. Z. Shveitser. Russ. 58,502, ~~Dec. 31, 1940.~~ To preserve the required viscosity and stability while changing the specific gravity, the drilling fluid is treated with alk. solns. of a sulfite cellulose extract.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

TAICHNIKOVA, Ye.

3

Apparatus for determining the water separation of clay cement at high temperature. R. I. Shishchenko and E. Taichnikova. *Novosti Neftyanoi Tekh., Neftepromyslovoe Delo* 1950, No. 6, 3-5.—The water sepn. of clay cements is very important and characteristic for its quality and must be systematically controlled in oil-well cements. The existing control method can be applied only at normal temp. and therefore is limited to shallow wells. For wells of 4000-5000 m., where the temp. is about 120-150°, the present method is completely unsuitable. A special app. for studying the water sepn. of clay in cement at temps. above 100° has been developed and is described in detail. Various clay cements were tested at temps. of 25-150° and pressures of 5, 10, 20, and 30 atms. Testing cements at 20 and 30 atms. and at temps. of 50-150° showed no great differences. It is demonstrated by curves that the water-sepn. of clay cements generally increases with the temp. For cements which were treated with [illegible] the water sepn. [illegible]

[illegible]

A. G. Voelker

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAICHNIKOVA, YE

USSR.

Apparatus for determining the viscosity and the static displacement pressure of clay mortars at higher temperatures. R. I. Shishchenko and E. Yaichnikova. *Novosti Neftyanoi Tekh.; Neftepromyslovoe Delo* 1956, No. 6, 6-9.—The existing methods for detg. the viscosity and the static displacement pressure for clay mortar can be used only at temps. up to 100°. For higher temps. they were absolutely useless. Therefore, a new app. was constructed which was different from the others in that it consisted of 2 concentric cylinders and was completely airtight. The app. and the procedure are described in detail. First the clay mortar to be tested was heated for 20 min. at the testing temp., then the static pressure and the viscosity were detd. Quite a number of complex processes take place in the clay mortar while heating it at higher temps. The nature of them had so far not been investigated. Among others, peptization and coagulation processes take place. The course and the trend of these processes are influenced by many factors but first of all the content and the nature of the electrolyte play a major role. Preliminary studies on this subject at temp. up to 160° indicated that at increasing temps., the static displacement pressure grows likewise. For a few clay or mortar mixts. a decrease of the static displacement pressure was recorded at temps. above 120°. The viscosity generally decreases at higher temps., although, for some mortars at certain temp. intervals an increase of the viscosity is mentioned, which further at still higher temps. decrease again. The authors, therefore, thought it necessary to obtain new data on this subject. In this paper further studies are conducted and a formulation was prepd. for producing clay mortars, which can be used for drilling, especially deep oil wells.

H. G. Voelker

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

LANTSEVITSKAYA, S.A.; YAISHNIKOVA, Ye.A.

Cements with an initial setting of 2-6 hours. Azerb.neft.khoz. 35 no.8:9-11 Ag '56. (MLRA 9:10)

(Oil well cementing)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKOV, S.I.

(26)

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 14, no 3, 1961

1. "Distribution of Tangential Planes to Surfaces of the Congruence of Straight Lines in the Hyperbolic Space" A. MATHEEV; pp 235-237.

2. "Measuring the Activation Energy of Adhesion Levels in Lead Sulfide" Iv. BAEV and L. SYRNEV; pp 239-242 (english Summary)

3. "A New Precise Differential Manometer for Laboratory Purposes" L. BOJADSHIEV and I. SCHOPOV; pp 243-246.

4. "Microquantitative Determination of Chlorine and Iodine Ions" N. GAUCHEV and K. KOEV; pp 247-250.

5. "Comparative Amino Acid Content of the Meats of Some Fuit Stones" S.I. YAKOV; pp 251-254.

6. "One Method of Removing Sulfur from The Kremikovci Limonite Ore" N. YANAKIEV; pp 255-257.

7. "Absorption of Nitrogen Oxides in the Vibrating Mass of Sodium Hydroxide Solutions. Part II" D. MIREV, Chr. BALAREW, L. BOJADCIEV and D. LAMBLEV; pp 259-262.

8. "On the Rate of Absorption of Pure Gases" D. MIREV, D. PLYNKOV and C. BALAREW (IN ENGLISH) pp 263-266.

9. "Effect of Some Inorganic Additives on the Reduction of Copper Oxide by Carbon Dioxide at Low Temperatures" M.S. KUNCHATOV; pp 267-270.

10. "Bogerite from the Radka Mine, Panagyur Basin" T.G. RADONOVA; pp 271-274 (English Summary).

11. "Aluminum Saponite from Svetluka, Ardin Basin" T. TODOROVA; pp 275-278 (English Summary).

12. "Regarding the Experimental Variability of Escherichia coli" S. GALABOV; pp 279- 281.

13. "Studies on the Formation of Capsule by Certain Strains of Bacillus anthracis in vitro" G. Iv. HADJIEV; pp 283-5

14. "Antibiotics and the Reticulo-Endothelial System Fixation Activity in Mice Treated with Colloid Iron Saccharate" As. TOCHKOV, G. SCHELKOVA and D. STOYANOV; pp 287- 290.

15. "Electron Microscopic Study of Lungs of Snakes" H. KRASTEV; pp 291-294.

16. "Human Leptospirosis Due To Leptospira Saxkoebing in Bulgaria" I. KUJUNGIEV; pp 295- 299.

— 1/2 —

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAISHNIKOVA, Ye.A., kand.tekhn.nauk

Physicomechanical properties of weighted cement under high temperature. Trudy AzNII DN no.5:180-187 '57. (MIRA 12:4)
(Cement)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAISHNIKOVA, Ye.A.

Effect of temperature on the water loss in drilling fluids. Azerb.neft. khoz. 38 no.12:13-15 D '59. (MIRA 13:10)
(Oil well drilling fluids)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

TER-GRIGOR'YAN, A.I., inzh.; AVETISYAN, A.A., inzh.; GASAN-DZHALALOV, A.B., inzh.; GUKHMAN, M.I., inzh. [deceased]; DAVTYAN, S.Kh., inzh.; DADASHEV, B.B., kand.tekhn.nauk [deceased]; DANIELYANTS, A.A., inzh.; DEDUSENKO, G.Ya., kand.tekhn.nauk; IOANESYAN, R.A., inzh.; KARASIK, G.Ye., inzh.; KULIYEV, I.P., kand.tekhn.nauk; KULI-ZADE, K.N., kand.tekhn.nauk; LANGLEBEN, M.L., kand.tekhn. nauk; MADERA, R.S., inzh.[deceased]; MIKHAYLOV, V.R., inzh.; MURADOV, I.M., inzh.; POLYAKOV, Z.D., inzh.; PROTASOV, G.N., kand. tekhn.nauk; SAROYAN, A.Ye., kand.tekhn.nauk; SEID-RZA, M.K., kand. tekhn.nauk; TARANKOV, V.V., inzh.; FRIDMAN, M.Ye., inzh.; SHNEYDEROV, M.R., kand.tekhn.nauk; YAISHNIKOVA, Ye.A., kand.tekhn.nauk; SHTEYN-GEL', A.S., red.izd-va

[Driller's handbook] Spravochnik burovogo mastera. Izd.2., ispr. i dop. Baku, Azerbaidzhanskoe gos.izd-vo neft.i nauchno-tekhn.lit-ry, 1960. 783 p. (MIRA 13:5)
(Oil well drilling)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAISHNIKOVA, Ye.A.; YUZBASHEVA, Ye.G.; GARAYEV, Sh.G.

Chemical processing of clay muds in the Dashgil' Area. Trudy AzNII DN no.9:122-127 '60. (MIRA 14:5)
(Dashgil' region—Oil well drilling fluids)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YUZBASHEVA, Ye.G.; YAISHNIKOVA, Ye.A.

Study of the lubricating properties of clay muds. Azerb. neft. khoz 40 no.11:15-17 N '61. (MIRA 15:1)
(Oil well drilling fluids)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YES'MAN, Bogdan Iosifovich; DEDUSENKO, Galina Yakovlevna; YAISHNIKOVA, Yevstol'ya Aleksandrovna; LATUKHINA, Ye.I., ved. red.; YAKOVLEVA, Z.I., tekhn. red.

[Effect of temperature on deep drilling processes]Vliianie temperatury na protsess bureniia glubokikh skvazhin. [By] B.I.Es'man i dr. Moskva, Gostoptekhizdat, 1962. 150 p. (MIRA 16:2)

(Oil wells—Thermal properties)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YUZBASHEVA, Ye.G.; YAISHNIKOVA, Ye.A.

Additives improving the lubricating properties of clay muds. Sbor. nauch.-tekh. inform. Azerb. inst. nauch.-tekh. inform. Ser. Neft. prom. no.4:62-66 '63. (MIRA 18:9)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

LITVINOVA, T.P.; LYUKSHENKOV, A.G. [deceased]; Prinimali uchastiye: YAITSKAYA, V.Ya., studenta; ZUBOVA, T.F., studentka; DENISOVA, I.D., studentka; MIRZOYEVA, Ye.Kh., studentka; OBOLENSKAYA, L.V., studentka; BELYAYEVA, Z.D., studentka; BORDOVICH, Kh.D., studentka; OKUNEVA, N.F., studentka

Determination of the amount of water retainted in plant raw material in preparing infusions and decoctions. Apt. delo 10 no.5:8-11 S-O '61. (MIRA 14:12)

1. Farmatsevticheskiy fakul'tet I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(BOTANY, MEDICAL) (WATER)
(CHEMISTRY, MEDICAL AND PHARMACEUTICAL)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

3

S/133/62/000/007/003/014
A054/A127

AUTHORS: Goncharov, I.A.; Yem, A.P.; Konovalov, V.S.; Lapitskiy, V.I.; Marakhovskiy, I.S.; Pilonov, V.A.; Khitrik, S.I.; Yaitskiy, A.K.

TITLE: Determination of the optimum composition of silico-chromane and its application in alloying 14 ХГС (14KhGS) grade steel

PERIODICAL: Stal', no. 7, 1962, 615 - 616

TEXT: Tests were carried out (with the cooperation of A.S. Rabinovich, G.T. Duzenko, N.V. Fal'chik, M.I. Vaynshtok, P.L. Konstantinov, et al.) on the application of silicochromane (with 15 - 18% Si, 25 - 40% Mn and 25 - 35% Cr) in alloying 14KhGS grade steel. (The application of this ternary alloy was proposed by V.F. Mazov, I.S. Marakhovskiy, I.M. Leykin, A.A. Khomutov, A.A. Podgorodetskiy.) Silicochromane for the tests was produced from ferromanganese, ferrochrome, ferrosilicon, etc.; the test steel was smelted in a 10-kg induction furnace and in 15-ton and 220-ton open-hearth furnaces. Besides testing ferrochromane with various percentages of the main components, the investigations also covered the possibility of adding this alloy to the steel without its previous

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S/133/62/000/007/003/014
A054/A127

Determination of the optimum composition ....

reduction. When ferrochromane was added to the bath without previous reduction, the burning out of manganese was 35%, that of silicon 80 - 85%, while, when it was added to the reduced bath the corresponding values were not more than 4 - 5 and 45 - 50%. The burning loss of chrome is not greatly affected by the degree of bath-reduction. By reference to laboratory tests, silicochromane with 32 - 34% Mn, 35 - 36% Si and 18 - 19% Cr was used in the pilot plant tests with a 15-ton open-hearth furnace. In these tests silicochromane replaced silicomanganese in preliminary reduction and ferrochrome + ferromanganese in alloying. The burning loss of manganese was 5 - 7%, that of silicon 50 - 55% and of chrome 16 - 18% in this test series. When 50% of silicochromane was added in the furnace and 50% in the ladle, the losses of silicon were decreased to 42% and the total amount of the alloy required for reduction and alloying dropped by 10%. The loss of manganese increased to 15%, while the burning loss of chrome remained unchanged (15%). Similar results were obtained for the 220-ton furnace. The optimum composition for silicochrome was found to be 35 - 38% Mn, 32 - 35% Si and 21 - 23% Cr. The distribution of the main elements in the height of the ladle was more uniform than with reduction according to the conventional methods. The amount of gases also decreased when silicochromane was used. As to nonmetallic inclu-

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3

S/133/62/000/007/003/014
A054/A127

Determination of the optimum composition ....

sions the metal reduced by silicochromane showed silicate inclusions mainly in the skin of the ingot bottom, evidently because they could not float due to the lower liquidity of the metal caused by the addition of great amounts of ferro-alloys in the ladle. This, however, can be corrected by using exothermic ferro-alloys. There is 1 figure.

Card 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

LAPITSKIY, V.I.; STUPAR', N.I.; RUDICHEV, K.P.; OLEKSENKO, V.V.; YAITSKIY, A.K.

Pouring rimmed steel into bottle shaped ingot molds. Izv. vys. ucheb. zav.; chern. met. 6 no.11:65-69 '63. (MIRA 17:3)

1. Dnepropetrovskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

GOL'DFARB, E.M.; GONCHAROV, I.A.; SABEL'NIKOV, A.G.; SOROKO, L.N.; TAYTS, N.Yu.; FAYNBEYN, I.G.; FILONOV, V.A. [deceased]; YAITSKIY, A.K.

Investigating the solidification of large ingots of rectangular cross-section. Stal' 23 no.1:22-25 Ja '63. (MIRA 16:2)

1. Dnepropetrovskiy metallurgicheskiy institut i Zavod "Zaporozhstal'".
(Steel ingots) (Solidification)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAITSKIY, A. L.

Bee Culture - Sal'sk Region

Apiaries in the Sal'skii steppe. Pchelovodstvo No. 2, 1952.

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

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

ARBUZOV, Yu.N.; ARBUZOV, L.S.; GIDALEVICH, B.A ; POPOV, V.S., red.; NATSIK, P.T., red.; YAITSKIY, G.G., red.; KOMENDANT, K.P., red.

[Building materials of Kherson Province; mineral raw material base] Stroitel'nye materialy Khersonskoi oblasti; mineral'no-syr'evaia baza. Kiev, Gosstroiizdat USSR, 1964. 102 p. (MIRA 17:9)

1. Dneprogeologiya, trust.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

ASSONOV, Aleksandr Danilovich,; SHEPELYAKOVSKIY, Konstantin Zakharovich,; LANKIN, Petr Aleksandrovich,; YAITSKOV, S.A., inzh.; SHKLYAROV, I.N., inzh.; RABIN, M.O., inzh.; SENYUSHKIN, N.V.; ZHIVOTOVSKIY, A.N.; BORISOV, N.I.; SHMYKOV, A.A., doktor tekhn. nauk, red.; LOZINSKIY, M.G., doktor tekhn.nauk, retsenzent,; MODEL', B.I., tekhn.red.

[Gas cementation with induction heating] Gazovaia tsementatsiia s induktsionnym nagrevom. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 87 p. (MIRA 11:12)
(Cementation(Metallurgy))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

S/182/61/000/012/004/004
D038/D112

AUTHOR: Yaitskov, S.A.

TITLE: Peculiarities of scale formation during the induction heating of steel forge billets

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 12, 1961, 32-36

TEXT: The author describes experiments made to establish the effect of various factors on scale-formation on steel forge billets during induction heating. The experiments were made with cylindrical samples of grade 45 steel, 38 mm in diameter and 65 mm high, which were heated in two inductors, into one of which heat-insulating ceramic cylinders were inserted for comparison. Two types of induction heating were used: normal through induction heating, in which the billet surface temperature was continuously increased, and accelerated isothermal induction heating, in which the billet surface was rapidly heated up to final forging temperature during the initial period, after which the blanks were held at this temperature until the end of the process. The following factors were considered: heating

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S/182/61/000/012/004/004
D038/D112

Peculiarities of scale ...

time, heating temperature, type of heating, billet diameter, length of the inductor, position of the inductor (i.e. vertical, horizontal or inclined), presence of ceramic heat-insulating cylinder in the inductor. The author is of the opinion that the use of accelerated isothermal induction heating in the long inductors with a small gap between the billet and the inner surface will result in further reduction of scale-formation. There are 2 tables, 9 figures and 2 Soviet-bloc references.

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

MASSEN, V.A.; MILOSLAVSKIY, I.L.; PAVLOV, S.P.; POGODILOV, M.N.; SHEVELEV, A.Ye.; KUNITSA, S.S.; YAKOVLEV, V.G.; CHESNOKOV, V.K.; KRYLOV, B.F.; SHIKHANOVICH, B.A.; YAITSKOV, S.A.

Proposals awarded prizes at the 16th All-Union Contest for Electric Power Economies. Prom.energ. 17 no.10:12-14 O '62. (MIRA 15:9)

(Technological innovations--Competitions)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAITSKOV, Sergey Aleksandrovich; SNOPKOV, M.A., inzh., red.; STEPANCHENKO, N.S., red. izd-va; VLADIMIROVA, L.A., tekhn. red.

[Rapid isothermic induction heating of forging blanks] Uskorennyi izotermicheskii induktsionnyi nagrev kuznechnykh zagotovok. Moskva, Mashgiz, 1962. 92 p. (MIRA 15:5)
(Forging) (Induction heating)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

SOV/142-58-4-8/30

AUTHOR: Yakab, I.

TITLE: On the Theory of the Operating Regimes of Tube Generators with Independent Excitation (K teorii rezhimov lampovogo generatora s nezavisimym vozbuzhdeniyem)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika, 1958, Nr 4, pp 434-444 (USSR)

ABSTRACT: The paper analyzes the working of a generator with independent excitation with random phase relations and complicated, harmonic voltage. The paper then solves the problem of a maximum theoretical efficiency by using the upper harmonics in the anode circuit of the generator. First the general tube generator theory is presented. The working of a generator is studied, rejecting the hypothesis of the purely active and ideally resonant nature of the anode load. Moreover, the author describes a theoretical apparatus, suitable for analyzing working regimes. The solution of one of the problems arising from this generalization of the

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

SOV/142-58-4-8/30

On the Theory of the Operating Regimes of Tube Generators with Independent Excitation

generator theory is given: i.e. determining the form of anode voltage which gives the best power relationship in the generator. The dynamic characteristics of the generator in the plane i = constant are investigated and all values are expressed by circuit integrals taken along the dynamic curve. The case of the ideally resonant load corresponds to the rectilinear characteristic: i.e. the ellipse corresponds to a complex load close to resonance when the reactance to the basic frequency is much greater than the reactance to the harmonics so that the voltage drop caused by the upper harmonics can be ignored. When the anode voltage also contains upper harmonics, then instead of an ellipse, a closed curve of a much higher order is obtained. The optimum working regime must ensure a given working power with the highest possible efficiency and good utilization of the tube according to current and voltage as well as the greatest power which a given tube can develop, without exceeding the permissible power

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

SOV/142-58-4-8/30

On the Theory of the Operating Regimes of Tube Generators with Independent Excitation

losses. In order to calculate the optimally overloaded working regime, data are given in a table for the tube G-431 operating in a critical, optimal-critical and optimal-overloaded condition. The paper also shows possibilities for approximate achievement of an optimum operating regime. Apparently, the most suitable approach is not to approximate the load characteristic with some other approximate curve which would enable a synthesis of the load to be achieved in the form of an uncomplicated circuit. There are 1 table, 5 sets of graphs and 6 Soviet references.

ASSOCIATION: Kafedra teoreticheskikh osnov elektrotekhniki Moskovskogo ordena Lenina energeticheskogo instituta (Chair for the Theoretical Bases of Electrical Engineering, Moscow Order of Lenin Energetics Institute)

Card 3/4

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

40543
R/016/62/007/001/002/002
I004/I204

26.2311

AUTHOR: Yakab, I., Zaharesku, A. and Dumitresku, L.

TITLE: A method of measurement of the speed of propagation of shock waves

PERIODICAL: Revue de mecanique appliquée v. 7, no. 1, 1962. 173–183

TEXT: Described is a method of velocity measurement of waves propagating in a shock tube. The measurement is based on registration of the time interval between the moments of passing of the wave across two fixed marks 700 m apart. The instant of passage of the wave is detected by special capacity transducers with very low inertia. A special oscillographic chronograph was developed for measurement of the time interval. It employs a spiral time base and the measured time interval, $\Delta t$, is represented by an arc of the spiral given by $\varphi = 2\pi f.\Delta t$, where $f$ is the frequency (2000 cps in the present case) of the voltages which form the time base and $\varphi$ is the central angle of the spiral arc. The probable accuracy of the method is 0.3%; the main sources of error are a) inaccuracy in the estimation of the spiral arc length, b) inequality of the amplitudes of the two voltages which form the spiral time base, c) deviation of the phase shift between these voltages from 90°, d) presence of harmonics in the time base voltages, e) dependence of the sensitivity of one pair of the deflecting plates upon the voltage impressed upon the other pair, and $f$) errors resulting from the modulation process of the voltages which form the spiral time base. There are 12 figures.

Card 1/1

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

GERO, S.; FARKAS, K.; GERGELI, I.; YAKAB, I.; CHEKELI, I.; VIRAG, S.; TSUPPON, A.

Preventive effects of β-lipoprotein immunization in the development of experimental cholesterol atherosclerosis. Vest.AMN SSSR 16 no.3: 20-27 '61. (MIRA 14:7)

1. 3-ya Meditsinskaya klinika Budapeshtskogo universiteta, Otdel patologii Budapeshtskogo gosudarstvennogo revmatologicheskogo instituta.
(ARTERIOSCLEROSIS) (LIPOPROTEINS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

8(3)

AUTHOR: Yakab, I. G. SOV/161-58-2-6/30

TITLE: On the Calculation of the Periodical Performances in Linear Systems (O raschete periodicheskikh rezhimov v lineynykh sistemakh)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika, 1958, Nr 2, pp 46 - 53 (USSR)

ABSTRACT: A method of calculating a stabilized performance under the action of periodical but nonharmonic external forces on the linear system is given. This is one of the methods leading to Duhamel (Dyuamel') integral-type formulae. The present method differs from the other ones by its more general character and by leading to a more compact and more evident final formula. By its structure, this formula conforms to the general system of calculation methods for electric circuits. The given method is based upon the separation of the periodic component from the total solution of the differential equation representing the process. The periodical function $\xi(t)$ in the final formula (7) is a function of the properties of the circuit and of the period of the external influence. It is a

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

On the Calculation of the Periodical Performances in Linear Systems SOV/161-58-2-6/30

system function and can be considered as a periodical impulse reaction of the system (periodical impulse resistance or conductivity). The impulse resistances, the transient resistance x(t) and the periodical resistance $\xi(t)$ can be considered as a generalization of the resistance of an electric circuit. The formulae (2) and (7) may be reputed to be particular generalizations of Ohm's law in transient and periodical nonharmonic operations. The formula (7) holds for any linear system. A simple method for the determination of the function $\xi(t)$ is given. Finally, the method is illustrated by two examples. There are 7 Soviet references.

ASSOCIATION: Kafedra teoreticheskikh osnov elektrotekhniki Moskovskogo energeticheskogo instituta (Chair for Theoretical Principles of Electrical Engineering of the Moscow Power Engineering Institute)

SUBMITTED: March 22, 1958

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

L 40340-66 EWP(j)/EWT(m)/T IJP(c) RM/WW

ACC NR: AP6007524 SOURCE CODE: UR/0419/65/000/002/0096/0098

AUTHOR: Byal'kevich, P. L.; Yakabson, B. V.; Hayduk, K. A.; Sakalow, A. D.

ORG: None

29

B

TITLE: Using peat as an active filler in plastic made from molding powders

SOURCE: AN BSSR. Vestsi. Seryya khimichnykh navuk, no. 2, 1965, 96-98

TOPIC TAGS: plastic filler, processed plant product, material crushing, synthetic material, phenolformaldehyde

ABSTRACT: It is shown that pine-moss peat subjected to 30% decomposition by heat may be used as a filler in producing standard phenolformaldehyde plastics from molding powders. Analysis of the raw material showed the following composition: benzene--3.91%; hydrolyzable material--31.26% including 14.50% fulvic acid and 34.80% humic acid; nonhydrolyzable residue--22.81%; ash--14.33%. The peat was air-dried, crushed to a particle size of 0.25 mm and subjected to heat treatment in a thermostatically controlled vacuum at 150, 200 and 250°C for 10, 30, 60, 90 and 120 minutes. It was found that the most effective heat treatment is 250°C for 60 minutes. This type of filler increases the strength and reduces the hygroscopic properties of molding powders without changing the remaining indices in conformity with GOST 5689-60. Orig. art. has: 2 figures.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 005

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I.

The effect of floating on the tannin content of oak wood. A. I. Yakadin. *Kozhevenno-Obuvnaya Prom.* 17, No. 9, 19-20(1938); *Chem. Zentr.* 1939, I, 2911. Tannin is lost in amounts up to 38% by prolonged floating in water. The quality of the tannides is improved because of the diffusion of the nontanning substances due to their low mol. wt.

A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKUDIN, A. I.

PROCESSES AND PROPERTIES INDEX

29

**The effect of storage of oak wood on the quality of the tanning extract prepared from it.** A. I. Yakadin. *Lesokhimicheskaya Prom.* 2, No. 8, 36-41(1939); *Chem. Zentr.* 1940, I, 165-6.—The chem. and biol. phenomena occurring in the storage of oak wood lead to a decrease in the sugar and an increase in the tannin content, as well as to an improvement of the quality. However, because of a lowering of the water content there takes place a densification of the vegetable fibers which leads to a lowering of the diffusibility of tannin (extn. coeff.). The yield of the extract is lower than from fresh wood in spite of the elevated tannin content. For this reason the ext. has higher values for the tannin content or for insoluble substances, combining properties and viscosity and a lowered dispersion ability. The insol. substances have higher density and are characterized by rapid sedimentation and low peptizability.

A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A. I.

29

**Utilization of the residues from the production of tanning extracts by subjecting them to dry distillation.** A. I. Yakadin. *Lesokhim. Prom.* 2, No. 10, 31-9(1939); *Chem. Zentr.* 1940, I, 1454.—The tanning residue makes up about 70% of the wt. of the raw oak bark and is frequently used as fuel. It contains 60% water and 0.4% ash; its heating value is about 1330 cal. per kg. Expts. on the dry distn. of the residue gave lower resin yields, as compared with the distn. of the unextd. wood, but practically the same yields in MeOH and AcOH. These, however, were greatly dild. so that a preliminary drying of the residue is to be recommended. Since the residues are finely divided, the distn. must either be done from shallow layers or the material must be stirred during distn. The C remaining is likewise more finely divided than that from the distn. of the unextd. wood and can be mixed with resin or starch and pressed into briquets. M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

YAKADIN, A. I.

C A

1

Improvement of the Kostner type extractors. A. I. Yakadin. *Koshevenno-Obuvnaya Prom. S. S. S. R.* 19, No. 5, 37-8(1940).—Construction details. A. A. B.

COMMON ELEMENTS

COMMON VARIABLES INDEX

OPEN

MATERIALS INDEX

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1ST AND 2ND LETTER

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A. I.

28452

Nyekotoryye ryezyervy povyshchye niya ryentabyelbnosti ekstraktovykh zavodov. Lyegkaya prom-stv., 1949. No. 8, S. 5-6 - Bibliogr: 5 Nazv

D. Myekhovaya promyshlyennostb

SO: LETOPIS No. 34

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A. I.

27073 YAKADIN, A. I. Uproshchennyy kondensatsionnyy gorshok. Za ekonomiyu topliva, 1949, No.8, s. 22-24.

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, AI

F

3239. CALCULATION OF STEAM TRAPS. Yakadin, AI (Za Ekon. Toplivo (Fuel Econ.), 1949, (11), 30-33). (L)

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

Mechanization of the loading and unloading of short logs Moskva, Goslesbumizdat, 1952. 38p. (54-18065)

TS835.I2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A. I.

Production of oak extract Moskva, Gos. nauchno-tekhn. izd-vo legkoi promyshl., 1952. 159p. (53-19176)

SD543.I15

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKABIN, A. I.

Condensation economy of industrial enterprises Moskva, Gos. energ. izd-vo, 1952. 300 p. (54-18073)

TP156.C6I2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN A I

Effect of time of [illegible]

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I.

YAKADIN, A.I., inzhener

Mechanizing the opening and closing of diffuser bottoms. Leg. prom.15 no.8:51-52 Ag '55. (MLRA 8:10)
(Diffusers)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I.; LUCHINA, I.I., red.; SHKULEVA, V.S., red.; MEDVEDEV, L.Ya.; tekhn. red.

[Organizing and carrying out production at a tanning extract plant] Organizatsiia i sovershenstvovanie proizvodstva na zavode dubil'nykh ekstraktov. Moskva, Gos. nauchno-tekhn. izd-vo M-va legkoi promyshl. SSSR, 1956. 25 p. (MIRA 11:10)

1. Russia (1923- U.S.S.R.) Ministerstvo legkoy promyshlennosti. Byuro tekhnicheskoy informatsii.
(Tanning materials)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A. I.

Call Nr: TJ 915 .I18

AUTHOR: Yakadin, A. I., Engineer

TITLE: Maintenance and Operation of Piston Compressors (Ekspluatatsiya porshnevykh kompressorov)

PUB.DATA: Gosudarstvennoye energeticheskoye izdatel'stvo, Moscow-Leningrad, 1957, 248 pp., 10,000 copies

ORIG.AGENCY: None given

EDITORS: Editor: Armand, A. A.; Tech. Ed.: Medvedev, L. Ya.

PURPOSE: This book is designed for technicians, foremen and operating engineers servicing piston compressors.

Card 1/12

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

Call Nr: TJ 915 .I18

Maintenance and Operation of Piston Compressors (Cont.)

COVERAGE: The book is based on the previous work by the same author entitled "Operation of Air Compressors", Gosenergoizdat, 1948. In this new edition, emphasis is placed upon the problems of maintenance of compressor plants, control of operation, safety techniques, failures, breakage, and trouble shooting. The book contains Russian contributions. No personalities are mentioned; there are 12 bibliographic references, all USSR.

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| 1. | Fields of use of compressors | 5 |
| 2. | Principles and types of piston air compressors | 7 |
| 3. | Types of piston compressors | 13 |
| 4. | Supervision and maintenance of compressor plants | 20 |
| | Review questions | 22 |


Card 2/~~18~~ 2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I.

YAKADIN, A.I., inzh.

Effect of water quality on the production and quality of tanning materials. Leg.prom. 17 no.8:16-17 Ag '57. (MIRA 10:10)
(Tanning materials)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I., inzh.

Effect of evaporation conditions on the quality of oak extract. Leg. prom. 18 no.5:44-45 My '58. (MIRA 11:6)
(Tanning materials)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

KRASUKHIN, M.N., starshiy nauchnyy sotrudnik; YAKADIN, A.I.

Improving the quality of oak liquor. Leg.prom. 18 no.11:36-38 N '58. (MIRA 11:12)

(Tanning materials) (Oak)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A. I.

Using lumbering and woodworking wastes in the production of tanning extract. Kozh.-obuv.prom. no.6:27-30 Je '59. (MIRA 12:9)

(Wood waste) (Tanning materials)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, Alekseey Ivanovich; MELZYEV, A.S., red.; BORUNOV, N.I., tekhn.red.

[Condensing systems of industrial enterprises] Kondensatnoe khoziaistvo promyshlennykh predpriiatii. Izd.2., perer. i dop. Moskva, Gos.energ.izd-vo, 1960. 288 p. (MIRA 13:10)
(Condensation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I., inzh.

Chemical reprocessing of tan waste. Kozh.-obuv. prom. 2 no. 12:25-26 D '60. (MIRA 14:1)

(Tanning—By-products)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I.

Automatic weighing of raw materials for tanning extracts.
Koz.-obuv.prom.3 no.4:31-33 Ap '61. (MIRA 14:5)
(Tanning)
(Scales (Weighing instruments))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I., inzh.

Use of chestnut as raw material for tanning extracts. Kozh.-obuv.prom. 3 no.12:17-19 D '61. (MIRA 15:1)
(Tanning materials)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I., inzh.

New development in raw material accounting in the manufacture of tanning extracts. Kozh.-obuv.prom. 4 no.6:28-30 Je '62. (MIRA 15:6)

(Tanning materials)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I., inzh.

Standards for oak wood extracts. Kozh.-obuv. prom. 6 no.2: 18-19 F'64. (MIRA 17:5)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKADIN, A.I.

Instrument for determining the moisture of extracts. Kozh.-obuv. prom. 6 no.8:36-38 Ag '64. (MIRA 17:10)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKANIN, L.F.

86-12-16/29

AUTHOR: Yakanin, L.F., Maj of Technical Service

TITLE: Handwritten Bulletin (Rukopisnyy byulleten')

PERIODICAL: Vestnik Vozdushnogo Flota, 1957, 40 Nr 12, p. 62 (USSR)

ABSTRACT: In a few words it is mentioned in this article that in N ... unit a handwritten bulletin is published, in which the actual problems of military education and training are discussed.

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKANIN, L.F., mayor tekhnicheskoy sluzhby

Cadets must develop practical habits. Vest.Vozd.Fl. no.12:74-75 D '60. (MIRA 14:5)

(Airplanes—Electric equipment)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

L 23831-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(l) IJP(c) JD

ACC NR: AP6007721 SOURCE CODE: UR/0413/66/000/003/0120/0121

AUTHORS: Makarov, L. O.; Mechetner, B. Kh.; Nemirovskiy, L. E./ Yakhimovich, D.F.

ORG: none

TITLE: Device for ultrasonic machining. Class 49, No. 178665

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1966, 120-121

TOPIC TAGS: ultrasonic machine tool, magnetostriction oscillator, ultrasonic machining

ABSTRACT: This Author Certificate presents a device for ultrasonic machining. The apparatus contains an acoustic head with a concentrator and a magnetostriction transducer. To increase the productivity of the process, the mounting of the concentrator and magnetostriction transducer in the housing of the acoustic head is in the form of supporting resonance flanges of variable thickness, e.g., with uniformly increasing wall thickness from the center to the periphery (see Fig. 1).

Card 1/2 UDC: 621.9.048.6.06

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

L 23831-66

ACC NR: AP6007721

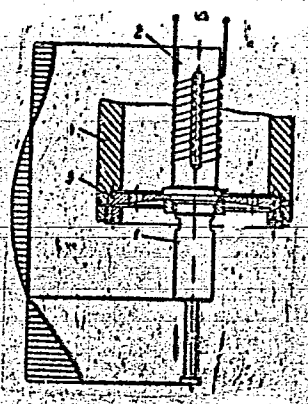

Fig. 1. 1 - concentrator; 2 - magnetostriction transducer; 3 - resonance flange; 4 - housing.

Orig. art. has: 1 diagram.

SUB CODE: 13,20/ SUBM DATE: 14Feb62

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKAS, V.

At Kaunas construction sites. Sov.profsoiuzy 3 no.3:41-45 Mr '55. (MLRA 8:4)

1. Predsedatel' postroykoma profsoyuza tresta No.2 Ministerstva gorodskogo i sel'skogo stroitel'stva Litovskoy SSR.
(Kaunas--Construction industry) (Kaunas--Trade unions)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKATOSH, B.K., kandidat tekhnicheskikh nauk.

Using radioisotopes in woodworking. Der. prom. 6 no.5:9-10 My '57. (MIRA 10:6)

1. Rostovskiy na Donu inzhenerno-stroitel'nyy institut.
(Radioisotopes--Industrial applications) (Woodworking industries)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

ALEMASOV, Vyacheslav Yevgen'yevich; KVASNIKOV, A.V., doktor tekhn. nauk, prof., retsenzent; YAKAYTIS, F.L., doktor tekhn. nauk, prof., retsenzent; YANOVSKIY, I.L., inzh., red.[deceased]; SHEYNFAYN, L.I., red.izd-va; GARNUKHINA, L.A., tekhn. red.

[Theory of rocket engines]Teoriia raketnykh dvigatelei. Moskva, Oborongiz, 1962. 476 p. (MIRA 15:12)
(Airplanes—Rocket engines) (Rockets (Aeronautics))
(Space vehicles—Propulsion systems)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, A.A.

Operation of transportation offices. Vest. sviazi 20 no.10:26-27 O '60. (MIRA 13:11)

1. Starshiy inzhener Pochtovogo upravleniya Ministerstva svyazi USSR.

(Transportation, Automotive)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, Aleksandr Abramovich, starshiy inshener; SALITAN, L.S., redaktor; BERESLAVSKAYA, L.Sh., tekhnicheskiy redaktor.

[In the communication transportation offices] V transportnykh kontorakh sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1956. 21 p. (MLRA 10:6)

1. Pochtovoye upravleniye Ministerstva svyazi URSR (for Yakerson).
(Transportation, Automotive)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

TSVETAYEV, N.; BEYZER, P.; YAKERSON, B., kreditnyy inspektor; KROL', V.

Effectiveness of State Bank credit in financing the mechanization of production. Den. i kred. 17 no.8:54-59 Ag '59. (MIRA 12:11)

1. Nachal'nik proizvodstvenno-ekspluatatsionnogo otdela Moldavskoy respublikanskoy kontory Gosbanka (for TSvetayev). 2. Nachal'nik otdela kreditovaniya predpriyatiy sovnarkhoza Moldavskoy SSR (for Beyzer). 3. Starshiy inzh.-ekonomist Izyumskogo parovozoremontnogo zavoda (for Krol').
(Moldavia--Machinery in industry--Finance)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, B.

Bank control over the carrying out of production cost plans.
Den.i kred. 18 no.2:66-68 F '60. (MIRA 13:1)
(Moldavia--Banks and banking)
(Moldavia--Costs, Industrial)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

GOLOSEYEV, G.Ya.; YAKERSON, B.L.

On the practicability of norms. Uch. zap. Kish. un. 53:153-164 '61. (MIRA 15:1)

(Moldavia--Production standards)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, Matvey Semenovich; TSYBUL'SKIY, Vladimir Abramovich. Prinimali uchastiye: LABUDIN, I.A.; FEDOROV, Ye.L.; KELLO, I.O.; CHIZHEVSKIY, A.L.; POLENOV, A.N.; NIKITIN, M.N.; IVANOV, I.I.; GEYET, N.V.; FEDOROV, Ye.V.; FEDOSOV, M.G. YEGOROVA, K.I., red.; OHOSHKO, N.G., tekhn.red.

[The "Znamia Truda" Factory; a brief account of the "Znamia Truda" Armature Factory in Leningrad] Znamia truda; kratkii ocherk istorii leningradskogo armaturnogo zavoda "Znamia truda," 1960. 207 p. (MIRA 14:4)

(Leningrad--Factories)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

1. YAKERSON, R. I.

2. USSR (600)

4. Ukraine - Geology, Structural

7. Report on the activity of the Yagotin magneto-exploration party in 1944. (Abstract.) Izv.Glav.upr.geol.fon. no. 3, 1947.

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

VALUYEV, V.V.; MAKSUTOV, R.N.; MATYUTO, N.A.; YAKERSON, S.A.; CHICHEVA, L.I., red.; OKOLELOVA, Z.P., tekhn.red.

[Mechanization of the preparation and placement in soil of peat fertilizers] Mekhanizatsiia zagotovki i vneseniia v pochvu torfianykh udobrenii. Moskva, Sel'khozizdat, 1963. 101 p. (MIRA 17:1)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V. I.

USSR/ Chemistry - Conversion processes

Card 1/1 Pub. 22 - 26/47

Authors : Shnol', S. E.; Syrkin, Ya. K., Memb. Corresp., Acad. of Sc., USSR; Yakerson, V. I.; and Blyumenfeld, L. A.

Title : Conversions of alpha-naphthalinsulfonic acid into beta-naphthalinsulfonic acid

Periodical : Dok. AN SSSR 101/6, 1075 - 1078, Apr. 21, 1955

Abstract : The mechanism of conversion of alpha-naphthalinsulfonic acid into beta-naphthalinsulfonic acid was established by the marked atom method in combination with the paper chromatography and spectrophotometry methods. The absence of radioactivity in the calcium sulfate deposition used in liberating the radioactive sulfate, served as proof of perfect purity of the converted compound. The effect of temperature on the conversion process and the final results are discussed. One USSR reference (1944-1950). Table; diagram.

Institution : The M. V. Lomonosov Inst. of Prec. Chem. Techn., Moscow

Submitted : December 1, 1954

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

AUTHORS: Rubinshteyn, A. M., Yakerson, V. I. SOV/20-121-4-25/54

TITLE: Some Data on the Kinetics of Thermal Decomposition of Alkali Earth Acetates (Nekotoryye dannyye po kinetike termicheskogo razlozheniya atsetatov shchelochnozemel'nykh metallov)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 4, pp. 664 - 667 (USSR)

ABSTRACT: The investigation of the problem mentioned in the title may be of interest because it may be applied to the production of ketones, especially of asymmetric ketones. Examples taken from publications are mentioned (Refs 1 - 7). The authors want to determine the initial temperatures, as well as the velocity constants and the activation energies in order to be able to compare them with the corresponding quantities for the catalytic ketonization. The velocity of a chemical reaction cannot be predicted. In the case of reactions of the same type with one and the same activated complex there is a certain relation between kinetic and thermodynamical characteristics of the reactions (Refs 9 - 10). The process of change of free energy with temperature is shown on figure 1. It can be seen that the yields of equilibrium corresponding

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with this process change at 350 - 480° as follows: $BaAc_2 > SrAc_2 > CaAc_2$ and at 480 - 550°: $CaAc_2 > SrAc_2 > BaAc_2$. Below 350° $\Delta F$ becomes positive (Rossini's handbook was used); the constant of equilibrium is very small and reaches in the case of Ca-, Sr- and Ba-acetates its lowest temperature of decomposition. Analogous computations for Mg-acetate showed that the reaction does not proceed according to the mentioned scheme. It is true that in this case decomposition proceeds accompanied by the formation of oxide as the X-ray structure analysis shows. The decomposition of acetate was thermogravimetrically investigated. The devices used for this purpose are described. The thermogravimetrical curves (Fig 2) reveal that the decomposition of $MgAc_2$ sets in at 300°, of $CaAc_2$ at about 370° and of $SrAc_2$ at about 400°; that means at somewhat lower temperatures than according to Krönig (Krenig, Ref 13). The acetates which were dehydrated at the beginning showed the same results. The complications which arose in the course of the experiments are described. Figure 3a shows the kinetic curves of the $CaAc_2$ decomposition between 385 and



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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

Some Data on the Kinetics of Thermal Decomposition of Alkali Earth Acetates SOV/20-121-4-25/54

435°. From the mentioned curves it may be seen that the monomolecular reaction of decomposition does not correspond with classical theory. Only in the middle part the curves are governed by the equation of I.order. The velocity of decomposition depends to a high degree on the material of the walls of the vessels. There are 3 figures and 16 references, 10 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N.D.Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N.D.Zelinskiy, AS USSR)

PRESENTED: April 14, 1958, by B.A.Kazanskiy, Member, Academy of Sciences, USSR

SUBMITTED: April 4, 1958

Card 3/4

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

SOV/79-29-1-40/74

AUTHORS: Syrkin, Ya. K., Yakerson, V. I., Shnol', S. E.

TITLE: The Transformation Mechanism of the o-Toluenesulfonic Acid Into the p-Toluenesulfonic Acid (Mekhanizm prevrashcheniya o-toluolsul'fokisloty v p-toluolsul'fokislotu)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 1, pp 187-194 (USSR)

ABSTRACT: Previously (Ref 1) the authors tried to clear the question of the migration mechanism of the sulfo group on the transformation of α-naphthalene sulfo acid into the β-isomer. Although it was proved that an intramolecular rearrangement takes place, some points remained unsolved. Hollemann and Calland (Ref 2) investigated the transformation of o-toluenesulfonic acid into the para-isomer. The authors assume that the process proceeds intramolecularly and not, as supposed, by way of the hydrolysis and subsequent sulfurization in the para-position. They proved that there is no desulfurization because the rearrangement prevails. Furthermore, the sulfurization yields 4% meta-product which previously had not been found. Ye. A. Shilov and F. M. Vaynshteyn (Ref 3) investigated the transition of the ortho-isomer into the para-isomer by means of radicactive $S^{35}$ at

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

SOV/79-29-1-40/74

The Transformation Mechanism of the o-Toluenesulfonic Acid Into the p-Toluenesulfonic Acid

120 and 126°; they concluded that the reaction takes place intermolecularly. They underline, however, that they had not been able to determine the specific radioactivity of the rearrangement products in the initial stage of the reaction. In order to investigate this process more exactly the authors thought it useful to pay special attention to the transformation from the very beginning of the reaction. They did not only apply the radioactive but also the spectroscopic method. In the present paper they tried to connect the radiochromatographic method with the spectrophotometric one. It was found that in acid medium the process mainly proceeds intramolecularly; in part, however, through the medium, i. e. intermolecularly. For the explanation of the intra-and intermolecular reaction process a scheme is suggested. There are 4 figures and 10 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii (Moscow Institute of Fine Chemical Technology)

SUBMITTED: December 17, 1957

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

RUBINSHTEYN, A.M.; YAKERSON, V.I.

Vapor phase catalytic ketonization of acetic acid over alkaline earth carbonates. Zhur. ob. khim. 30 no.9:2789-2797 S '60. (MIRA 13:9)

1. Institut organicheskoy khimii Akademii nauk SSSR.
(Acetic acid) (Ketone) (Alkaline earth carbonates)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; FEDOROVSKAYA, E.A.; KLYACHKO-GURVICH, A.L.; RUBINSHTEYN, A.M.

Vapor phase catalytic ketonization of $CH_3COOH$ over oxides of tetravalent metals and BeO. Izv. AN SSSR. Otd.khim.nauk no.8:1527-1528 Ag '61. (MIRA 14:8)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Acetic acid) (Ketones) (Catalysts)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

RUBINSHTEYN, A.M.; SLINKIN, A.A.; YAKERSON, V.I.; FEDOROVSKAYA, E.A.

Reduction of $CeO_2$ in the process of $CH_3COOH$ ketonization. Izv. AN SSSR Otd.khim.nauk no.12:2235-2237 D '61. (MIRA 14:11)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Cerium oxide) (Acetic acid) (Ketones)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

Ketonization of $CH_3COOH$ over alkali metal carbonates and the decomposition of alkali metal oxalates and acetates. Kin. i kat. 2 no.1:118-126 Ja-F '61. (MIRA 14:3)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.
(Acetic acid) (Ketone) (Catalysts)

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; RUBINSHTEYN, A.M.

Kinetics and mechanism of the thermal decomposition of lithium, sodium and barium acetates. Kin. i kat. 2 no.2:172-178 Mr-Ap '61. (MIRA 14:6)

1. Institut organicheskoy khimii imeni N. D. Zelinskogo AN SSSR.
(Lithium acetate) (Sodium acetate)(Barium acetate)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; FEDOROVSKAYA, E.A.; KLYACHKO-GURVICH, A.L.; RUBINSHTEYN, A.M.

Vapor phase catalytic ketonization of $CH_3COOH$ over tetravalent metal oxides and BeO. Kin.i kat. 2 no.6:907-915 N-D '61. (MIRA 14:12)

1. Institut organicheskiy khimii AN SSSR.
(Acetic acid) (Ketones)
(Catalysis)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

RUBINSHTEYN, A.M.; YAKERSON, V.I.

Vapor-phase catalytic ketonization of acetic acid over magnesium, zinc and cadmium oxides. Zhur.ob.khim. 30 no.10:3153-3162 O '61. (MIRA 14:4)

1. Institut organicheskoy khimii AN SSSR.
(Acetic acid)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; FEDOROVSKAYA, E.A.; RUBINSHTEYN, A.M.

Ketonization of $CH_3COOH$ over CdO and MgO, and the kinetics of the thermal decomposition of Cd $(Ch_3COO)_2$ and Mg $(CH_3COO)_2$. Dokl. AN SSSR.140 no.3:626-629 S '61. (MIRA 14:9)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Predstavleno akademikom A.A.Balandinym.
(Acetic acid) (Acetates)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.

Mechanism of thermal decomposition of carboxylic acid salts. Izv. AN SSSR. Otd.khim.nauk no.6:1003-1011 Je '63. (MIRA 16:7)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Acetates--Thermodynamic properties)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

RUBINSHTEYN, A.M.; YAKERSON, V.I.; LANGE, I.A.

Catalytic ketonization of acetic acid over a mixed $CaCO_3$-$LiCO_3$ catalyst. Kin. i kat. 5 no.2:319-323 Mr-Ap '64. (MIRA 17:8)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; LAFER, L.I.; RUBINSHTEYN, A.M.

Thermogravimetric study of the kinetics and mechanism of decomposition of a mixture of Ca and Li acetates. Kin.i kat. 5 no.6: 1014-1019 N-D '64. (MIRA 18:3)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; LAFER, L.I.; GORSKAYA, L.A.; RUBINSHTEYN, A.M.

Chromatographic study of physical and chemical adsorption of hydrocarbons on an aluminum-chromium-potassium catalyst. Izv.AN SSSR.Ser. khim. no.9:1725-1726 S '64. (MIRA 17:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; RUBINSHTEYN, A.M.

Catalytic ketonization of carboxylic acids and the thermal decomposition of their salts. Reakts.i.metod.issl.org.soed. 13: 127-266 '64.

(MIRA 17:10)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; LAFER, L.I.

Gas-liquid chromatography of pyridine bases. Izv. AN SSSR. Ser. khim. no.4:611-618 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

SAGALOVICH, A.V.; YAKERSON, V.I.

Gas-liquid chromatography of mixtures of water with oxygen-containing compounds. Izv. AN SSSR. Ser. khim. no.5:882-888 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

YAKERSON, V.I.; LAFER, L.I.; KLYACHKO-GURVICH, A.L.; RUBINSHTEYN, A.M.

Catalytic ketonization of acetic acid over mixed catalysts $ZrO_2 - Al_2O_3$. Izv.AN SSSR. Ser.khim. no.1:83-89 '66. (MIRA 19:1)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Submitted August 23, 1963.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

L 19766-65 EWP(e)/EPA(s)-2/EWT(m)/EPF(n)-2/EPA(w)-2/EWP(b)/EWP(t) Pab-10/Pt-10/
Pu-4 IJP(c)/ASD(m)-3/AFETR ES/WW/JD/JG/WH
Z/0012/64/000/004/0273/0282

ACCESSION NR: AP4047641

AUTHOR: Jakes, D. (Yakesh, D.); Sedlarova, L.; Wolf, J. (Vol'f, I.)

TITLE: Sintering of ceramics from $UO_2$. I. The preparation of $UO_2$ sinterable at low temperatures

SOURCE: Silikaty, no. 4, 1964, 273-282

TOPIC TAGS: uranium dioxide, ceramic, ceramic sintering, sinterable uranium dioxide

ABSTRACT: This article describes methods for the preparation of powdered $UO_2$ of average and high surface area, and deals with the determination of the optimum precipitation temperature, the concentration of initial solutions, the terminal pH of the suspension, the rate of precipitation, the conditions for reduction of the compound in $H_2$, and the surface area of $UO_2$. In all cases it was a matter of [illegible] uranate to $UO_2$ without the calcination phase of the pro- [illegible] rate of precipitation of the am- [illegible]

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

monium polyuranate, [illegible] pH of the suspension, and to a decisive degree the reduction [illegible]

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ACCESSION NR: AP4047641

gen, had a fundamental effect on the final properties. The authors determined that the terminal pH of the precipitate depends on the concentration of the precipitated solution of $UO_2$. The precipitation time of the polyuranate in the 15—60-min [illegible] the properties of the end product, nor has the [illegible] any marked effect. [illegible] the poor [illegible] [illegible] by roasting [illegible] $UO_2$ is obtained after 30 min of roasting at 700C in a hydrogen atmosphere, [illegible] a nitrogen atmosphere after 60 min of roasting. A material with excellent prop- [illegible] dispersion characteristics (judging from the latest

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

sintering, mechanical, and radiation tests of the compacted pellets. Orig. has: 8 figures and 4 tables.

ASSOCIATION: Ustav jadernego vyzkumu, CSAV, Rez u Prahy (Institute of Nuclear Research, Czechoslovak AS)

Card 2/3

L 19766-65
ACCESSION NR: AP4047641

SUBMITTED: 28Mar64 ENCL: 00 SUB CODE: MT, MM

NO REF SOV: 001 OTHER: 023

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820008-6

Card 3/3