An apparatus for producing films... 5/120/62/000/003/032/048 E032/E114

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR (Physicotechnical Institute AS CSSR)

SUBMITTED: November 14, 1961

Card 2/2

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

1575tu

2/011/62/019/010/004/009 E112/E435

**AUTHORS:** 

Grigoryev, A.D., Petrov, L.A.

TITLE:

On increasing the production rate and improving the

quality of the insulating varnish "Eskapon"

PERIODICAL: Chemie a chemická technologie. Přehled technické a hospodářské literatury, v.19, no.10, 1962, 465,

abstract Ch 62 6283: (Lakokras. Materialy, no.3, 1962,

"Eskapon" is the trade name of an insulating varnish based TEXT: on synthetic rubber. Thermal stability of rubber insulating varnishes was improved by modifying them through epoxidation, chlorination or oxidation. For instance, excellent ageing properties up to 150°C were achieved with a fibre impregnated with an oxidized varnish, without affecting adversely its electrical . insulation properties. "Eskapon" is used mainly in the manufacture of mica insulation and for impregnating insulation 1 table, 11 literature references.

Abstracter's note: Complete translation.

Card 1/1

s/081/63/000/002/083/080 3117/3106

AUTHORS:

Grigor'yev, A. D., Petrov, L. A.

TITLE:

On the problem of intensifying production and improving

quality of Becapon varnish for electric insulation

PERIODICAL:

Referativnyy shurnel. Khimiya, mo. 2, 1963, 574, abstract 27325 (Lakokrasochn. materialy i ith primemeniye, me. ).

1962, 39-41)

公司司司法的,以下被罪犯的制造,要他们为

TEXT: It was found experimentally that Ha-butadiene rebber discolves in petroleum three times as fast if premasticated for 1/2 hr in a generator with a frequency of 25 Mc/s and a power of 1 kv, wherein the rebber is heated to 90-100°C. It can easily be cut with the knife so may be passed over directly into the sorew extruder of the reaction vessel. Thus the heat balance of the reaction vessel is improved and a continuous production of Escapon varnish is rendered possible. By determining the total unsaturation, the molecular weights and the IR spectra of the rubber as well . as of the compounded rubber and of the volatile fraction (waste in the production of the compounded rubber) the structure of the rubber was Card 1/2

On the problem of intensifying ...

\$/001/63/000/002/003/000 3117/3106

found to change during its thermal decomposition. The volatile fraction is a complex product of thermal degradation, isomerisation and cyclication of the rubber. There are practically no double bonds in the compounded rubber and its structure resembles that of cyclical rubbers, which increases their resistance to heat. The heat resistance of the Becapea insulation is increased by modifying the rubber component of the varnish. By exidation of this component or of the varnish, for instance, it was possible to prolong the durability of the glass-fabric reinforced Becapea by 2-3 times at 150°C; satisfactory insulating properties and elasticity were conserved. [Abstractor's note: Complete translation.]

Card 2/2

sov/163-58-2-46/46

AUTHORS:

Zubov, V. Ya., Grachev, S. V., Grigoriyev, A. F.

TITLE:

The Influence of the Normal and the Isothermal Treatment on the Relaxation Stability of Spring Steel (Vliyaniye obychnoy 1

izotermicheskoy obrabotki na relaksatsionnuyu stoykost pruzhinnoy

gtali)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 2,

pp. 249-255 (USSR)

ABSTRACT:

The relaxation stability of metals and alloys is to a great extent determined by their structure. In the present paper comparative investigations of the relaxation stability of spring steel of the types EI142 and USA under normal and isothermal treatment are described. The effect of the residual austenite on the relaxation process was discussed. The relaxation stability of spring steel treated the normal and the isothermal way depends on the conditions of relaxation. At low relaxation temperatures of the steel with martensite structure the relaxation stability is greater than in the case of a steel having a stricture as in the complete decomposition of austenite. The change of the relaxation stability of the isothermally treated

Card 1/3

The Influence of the Normal and the Isothermal Treatment on the Relaxation Stability of Spring Steel

When the temperature of treatment is increased the relaxation stability first increases but then decreases again. Steel isothermally treated at high temperatures has the greatest relaxation stability at an increase in temperature. The residual austenite decreases the relaxation stability of the steel at low as well as at high relaxation temperatures; since at low temperatures a low resistance to plastic deformation exists, and at high temperatures a decomposition of the austenite takes place during the relaxation process. From this may be concluded that in the isothermal decomposition the presence of the residual austenite leads to a considerable decrease of the relaxation stability of the steel. There are 4 figures, 4 tables, and 9 references, 8 of which are Soviet.

ASSOCIATION:

Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute)

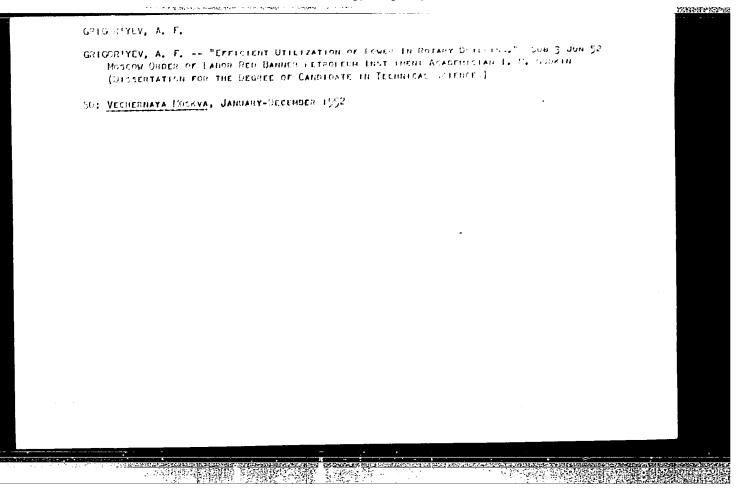
Card 2/3

GRICOR'TEV, A. F.

Origon'yev, A. F. "On the internal reserves of the enterprises of local industry in Saratov", Saratov, Issue 7, 1948, 2. 67-71.

So: U-3261, 10 April 53, (Letopis 'Zhernal 'nykh Statey', No. 11, 1949).

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810



GRIGOR YEV, A.F.

AID P - 582

Subject : USSR/Mining

Card 1/1 Pub. 78 - 19/22

Authors : Polanskiy, A. P., Rakina, V. N., and Grigor'yev, A. F.

Title : Experience with a multi-purpose and combined exploita-

tion of wells in the Saratovgas Trust

Periodical: Neft. Khoz., v. 32, #8, 85-89, Ag 1954

Abstract : A description of coordinated management in training of

the gas well operating and repair personnel; butline of the organization of the professional schools, special workers study groups and brigades for various coordinated emergency and safety works; description of two apparatuses specially designed for simple control of gas flow with definite rate and for automatic "blow-out" of liquid from

the gas separator. Two drawings.

Institution: None

Submitted: No date

# "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

GRIGGR'YFV, A. G., Engr. Cand. Tech. Sci.

Dissertation: "Cptimum Conditions for Using Forge D'es in Automobile Production."

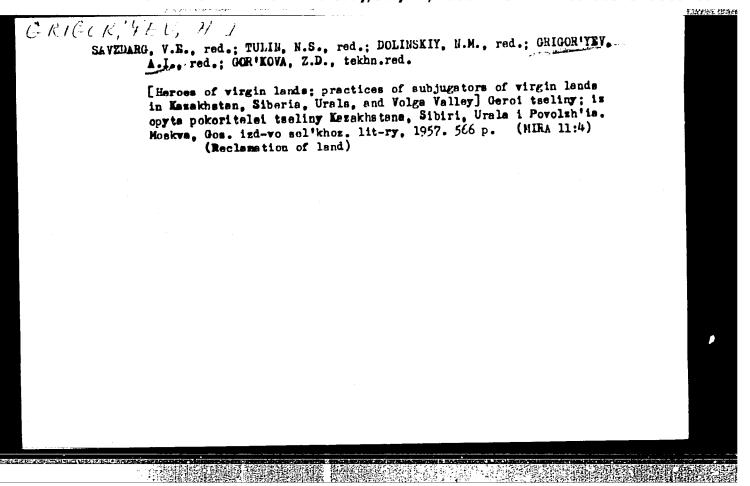
Moscow Automotive Mechnaics Inst, 8 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

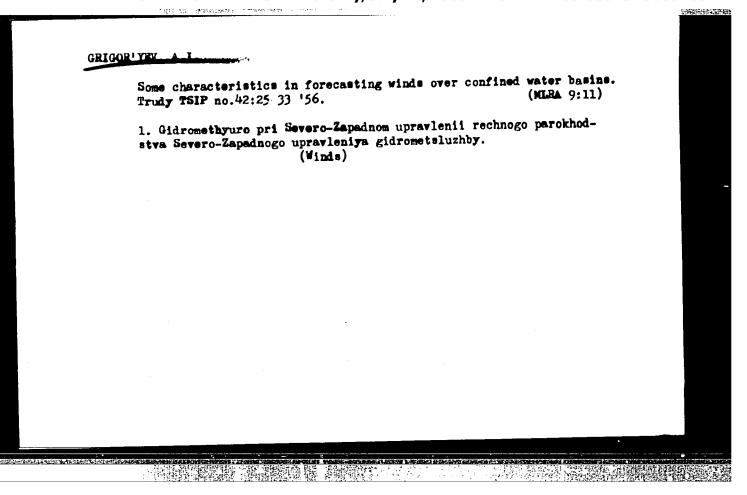
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

BALAKSHIN, O.B., kand. tekhn. nauk; BYKHOVSKIY, M.L., prof., doktor tekhn. nauk; VOLODIN, Ye.I., kand. tekhn. nauk; GRIGORIYEV, I.A., kand. tekhn.nauk; DRAUDIN-KRYLENKO, A.T., Thich.; IVMOV, kand. tekhn.nauk; KOZIOV, M.P., kand. tekhn. nauk; KUTAY, A.K., kand. tekhn. nauk; MAIKOV N.N., kand. tekhn. nauk; PALEY, M.A., inzh.; RAYBMAN, N.S., kand. tekhn.nauk; ROSTOVYKH, A.Ya., kand. tekn. nauk; RUMYANTSEV, A.V., kand. tekhn.nauk; SARKIN, I.G., prof.; SMIRNOV, A.S., inzh.; TAYTS, B.A., prof., doktor tekhn. nauk; YAKUSHEV, A.I., prof., doktor tekhn. nauk; NESTEROV, V.D., inzh., nauchnyy red.; CHUDOV, V.A., inzh., nauchnyy red.; GAVPHOV, A.N., doktor tekhn.nauk, prof., red.; BLAGOSKLONOVA, N.Yu., inzh., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Manufacture of instruments and means of automatic control: a manual in five volumes] Priborostroenie i sredstva avtomatiki; spravochnik v piati tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.l.[Interchangeability and engineering measurements] Vzaimozameniaemost' i tekhnicheskie izmerenia. 1963. 568 p. (MIRA 16:8) (Electronic measurements) (Automatic control)



GRIGOF	(1) EV A: L		
	Grigor'ev, A. I., O sutochnom khode skorcett vetra nad vodoemanit. [Diurnal variation of wind velocity over reservoirs.] Meteorologius i Gidreligius, Leningrad, No. 3:35-36, March 1956. table. DWB, DLC—Measurements of homity wind velocity were made simultaneously mean hourty wind velocity for each period of an artificial stand in lack Lackage and data on the mean hourty wind velocity artificial to a fine formal variation of wind release a bring the fitting banks is apposite that if the digrand variation is described in the morning the minimum in the afternosity support transing. I Diurnal wind velocity variations 2. Reservoirs 3. Lake Ladoga, U.S.S.R.—I.L.D.  12.  13.  14.  15.  16.  17.  18.  18.  18.  18.  18.  18.  18		0
	q'c		National Particular Control of the C
		•	
			9
A STATE OF THE STA		11.555 T. 15.55 T. 15	
		·	
इन्हरूत सम्बद्धाः स्थापिताः विकास			SELEN PRODUCTION



C

GRIGCRYEL, HI

USSR/Inorganic Chemistry. Complex Compounds.

Abs Jour: Ref. Zhur-Khimiya, No 1, 1958, 674.

Author : Grigoryev, A.I., Novoselova, A.V., Semenenko, K.N.

Inst

Title

: On the Interaction of Berillium Oxyacetate with Ammonia,

Methyl Amine, Ethyl Amine, and Sulfur Dioxide.

Orig Pub: Zh. Neorgan. Khimii, 1957, 2, No 6, 1374-1376.

祖 医侧脑膜 医侧脑室丛膜 工机药

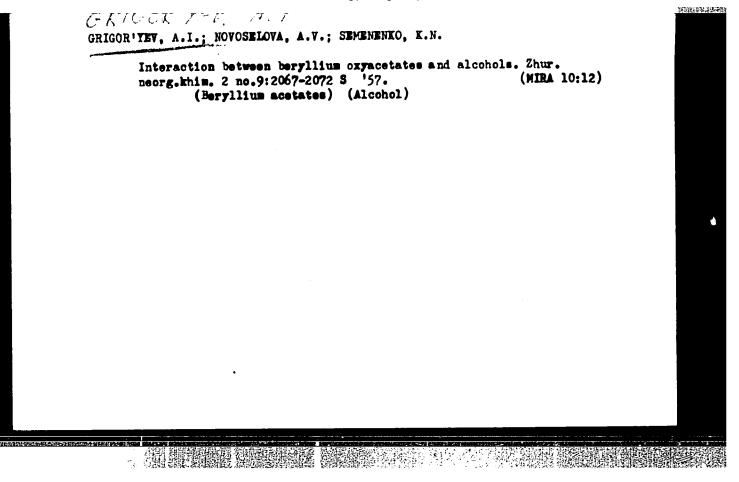
Abstract: By dissolving Beh0(CH3COO)6 in liquid NH3, CH3NH2, C2H5NH2 and in SO<sub>2</sub> there were obtained Beh0(CH3COO)6.4 NH3 (I), Beh0 (CH3COO)6.4 CH3NH2 (II), Beh0(CH3COO)6.3C2H5NH2 (III), and 3Beh0 (CH3COO)6.4SO<sub>2</sub> (IV), respectively. Decomposition of I and III starts at 50-60° and 60-70° respectively and ends at 180 and 170-180°; II starts to decompose at room temperature; a complete decomposition takes place at 160°; IV is unstable at room tempera-

ture. The authors refer the compounds obtained to inclusion

compounds.

: 1/1 Card

-15-



Grigor yev, A.I., Novoselova, A.V., Semenenko K.N. 37/78-3-7-22/44 AUTHORS:

On the Compounds of Berylliumoryacetate With Ethylamine and TITLE:

Butylamine (O soyedineniyakh oksiatsetata berilliya s etilaminom

i butilaminom)

Zhurnal usorganichezkoy khimii, 1958, Vol 3, Nr 7, pp 1599-1604 PERIODICAL:

(USSR)

Compounds of berylliumoxyaostate with ethylamine and butylamine ABSTRACT:

were synthetized. Analyses resulted in the following compositions:

В •40(СH3COO) 6.8 С2H5.NH2, В •40(СH3COO) 6.4 С2H5.NH2, Be10(CH3COO)6.3 C2H5.NH2, Be10(CH3COO)6.8 C1H9NH2.  $B_{01}O(CH_{3}COO_{6}).4C_{1}H_{9}.NH_{2}, B_{01}O(CH_{3}COO)_{6} \ 3 \ C_{1}H_{9}NH_{2} \ and$ 

Be<sub>4</sub>(CH<sub>3</sub>COO)<sub>6</sub>.C<sub>4</sub>H<sub>9</sub>NH<sub>2</sub>.

The complex compounds with butylamine are easily decomposed. The orystal lattices of the compounds Be, O(CH, COO) 6.4 C2H5NH2 and Be40(CH3COO)6.4 C4H9NH2 are very similar. The thermograms of the compounds of barylliumoxyacetate with ethylamine and butylamine

Card 1/2

in eleganisment weeks in a normal interesting its large

On the Compounds of Berylliumonyacetake With Ethylamine and Butylamine

301/78-3-7-22/44

were investigated. It turned out that the complete with butylamine are less stable than those with ethylamine. The tnermal decomposition of the compounds of berylliumoxyasetate with ethylamine occurs at a comparatively low temperature and is accompanied by an andothermal affect, which is indicative of strong interaction between the components of the complex. The thermograms show that complete decomposition of the compounds occurs at 110-120° C, and that the complexes with butylamine are decomposed at temperatures that are 150 0 lower than in the case of ethylamine. Separation of 2 molecules butylamine from butylamine complexes occurs more easily than that of the third molecule of butylamine. There are 4 figures, 1 table and 4 references, 3 of which are Soviet.

SUBMITTED:

June 26, 1957

1. Complex compounds--Synthesis 2. Complex compounds--Analysis 3. Beryllium-Properties 4. Acetates--Properties 5. Ethylamines --Properties 5.Butylamines--Properties 6, Crystals--Lattices

Card 2/2

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

AUTHORS:

Grivor'yev, A. I., Semenenko, K. N.

sov/78-3-12-34/36

TITLE:

Concerning the Compound Beryllium Oxyacetate With Methyl Amine

(O soyedinenii oksiatsetata berilliya s metilaminom)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 12,

pp 2806-2807 (USSR)

ABSTRACT:

The compound  $Be_4O(CH_3COO)_6.4CH_3NH_2$  was prepared in the form of

large rhombic prisms by slow vaporization of a saturated solution in liquid methyl amine at room temperature. X-ray studies showed that this compound crystallizes with a triclinic lattice with the following parameters: a=8.34 Å, b=10.20 Å, c=9.44 Å,  $\alpha$ =58°,  $\beta$ =55°,  $\gamma$ =60°. The polythermal decomposition curve of Be<sub>A</sub>O(CH<sub>3</sub>COO)<sub>6</sub>.4CH<sub>3</sub>NH<sub>2</sub> was constructed using the thermo-

gravimetric determination method. The compounds formed by beryllium with ethyl and butyl amines have similar properties

to those which form from methyl amine.
There are 1 figure and 2 Soviet references.

Card 1/2

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

CRICIR WILL. H.L.

AUTHORS:

Brigoriyev, A. I., Mavopelova, A. V.,

75-2-25/60

Semenendo, n. ...

TITLE:

Leterain tion of the Molecular Weight of Dissolved Substances "coording to the Method of Diffusion Through a Porous Class Platelet (Opredeleniye nolekwlyarnykh vecov ractvoresnykh veshchesty netglow diffurii cheren poristuyu stehlyanruyu

(lostiabu)

PERIODICAL:

Zevedshaya Laboratoriya, 1958, V 1. 27, Nr 2, pp. 190-192

(mggm)

ABSTRACT:

The ilea of Northrop Ancon (reference 1) was applied to determine molecular weights (of the and most anynitude of 400 to 500) of adiatanced dissovel in coloreform. The molecular weights are computed from the experimentally found diffusion coefficients of the substance under invertigation and on a substance with a known helevalue veight with the

formul:

Card 1/2

The oxycectate and the oxyprepion to of boryllium were in-

Determination of the Molecular Weight of Dissolved Substances 32-2-25/60 According to the Nethod of Diffusion Through a Porous Class Platelet

vestigated and a difference of only 0,5% to the computed molecular weight was found. When the oll cular weight of anthracene was determined, however, a difference of 19% was found, which can be due to the differences between the structures of the Be-oxysoctate and that of anthracene (corresponding to the observations made by Frintain er, reference 3). The application of a standard as an accompanying substance is therefore proposed for the surpose of improving the method. The radicactive C14 isotore was, among others, used in order to remove difficulties of analytical kind. For the determination of the specific activities, the solutions within the cell and without were vaporized after diffusion, the residue was dessicated, combusted and the C202 was transfermed into Encho3. There are 1 figure, 4 tables, and 4 references, 1 of which is Slavic.

ASSOCIATION:

Moscow State University imeni M. V. Loromosov

(Moshovski gosudarstvennyy universitet imeni K. V. Lomonosova)

AVAILA LE:

Library of Congress

Card 2/2

1. Molecular weight-Determination 2. Chloroform-Applications

SOV/20-122-3-20/57 AUTHORS:

Grigor'yev. A. I., Corresponding Member, Academy of Sciences,

USSR, Novoselova, A. V., Semcnenko, K. N.

TITLE: Compounds of Beryllium Hydroxy Acetate With Sulfur Dioxide (Soyedineniya oksiatsetata berilliya s sernistym angidridom)

Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 3, pp 397-399 PERIODICAL:

(USSR)

ABSTRACT: Affiliation products containing mainly amino nitrogen are de-

scribed for beryllium hydroxy acetate (Refs 1-3). These compounds are stable enough and are probably formed at the expense of the free electron pair of nitrogen. However, for the substance mentioned first in the title compounds of a weaker binding may be expected, namely of the type of the so-called "inclusion compounds" (soyedineniya vklyucheniya Pl.) (Refs 4,5). The compound mentioned in the title probably is such an "inclusion compound" (Ref 2). This problem is discussed in detail in the present paper. In the concentration by the evaporation of a solution of beryllium hydroxy acetate in

liquid sulfur dioxide the latter compound is precipitated in

Card 1/4 form of well developed octahedrons. The thus forming compound

Compounds of Beryllium Hydroxy Acetate With Sulfur Dioxide

is extremely instable at room temperature and decomposes into its two initial products. This makes difficult the determination of its composition and the preparative isolation by means of the usual methods of chemical analysis. In order to investigate the interaction of both substances mentioned in the title the authors studied the rethod of the construction of diagrams at a constant temperature: composition - vapor pressure in the system formed by them. For this purpose they used the Huettig tensiometer (tenzievdiometr) (Ref 6). The working process is described. The equilibrium could be observed after 10-20 hours. Figure 1 shows the isothermal lines of the composition versus pressure function for -9,5, -15, -20 and -30°. From the general view of the isothermal lines it can be seen that in the case of a concentration by evaporation of one of the mentioned saturated solutions a compound Be40(CH3COO)6.2SO2 is precipitate. Thus, it was observed that the compound  $3Be_4O(CH_3COO)_6.4SO_2$ (described by the authors in reference 2) represents a product of a partial decomposition of the compound of beryllium hydroxy acetate with molecules of sulfur dioxide. Besides a compound 2: 1 another one 1: 1  $Be_40.(CH_3COO)_6.SO_2$  which forms on the

Card 2/4

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

507/20-122-3-20/57

Compounds of Beryllium Hydroxy Acetate With Sulfur Dioxide

decomposition of the first was observed in the system. The stability of the compounds decreases with the increase in temperature. It is remarkable that in this case the values of the heats of formation (on the average 9,22 kcal per 1 g mol SO,)

are lower than in the normal case of coordination compounds. Furthermore, it is of interest that at -100 (boiling point of SO<sub>2</sub>) the discussed compounds have the characteristic features of solid solutions and can exist only at increased pressure. According to radiographic analyses Be (CH, COO) 6.250, crystallizes in a cubic diamond-like lattice with a period of the elementary cell of a = 17,1 Å. The density at  $-12^{\circ} = 1,43$ , roentgen density = 1,42. In conclusion a rough outline of the structure of this substance is given. There are 2 figures and 7 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

Card 3/4

GRIGOR'YEV, A. I. Cand Chem Soi -- (diss) "Studies in the field of chemistry of oxyacetate beryllium." Mos, 1959. 12 pp (Mos State Univ im M. V. Lomonosov. Chem Faculty. Chair of Inorgamic Chemistry), 150 copies (KL, 41-59, 103)

-8-

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

5(2),5(3) AUTHORS:

Grigor'yev, A. I., Novoselova, A. V.

SOV/78-4-11-45/50

TITLE:

On the Interaction of Beryllium Oxyformiate and -oxypropionate

With Ammonia

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 11,

pp 2640-2641 (USSR)

ABSTRACT:

Previous papers (Refs 1-3) dealt with the reaction of beryllium oxyacetate, a compound of the type Be OR6, in which R denotes the

radical of a monobasic organic acid, with ammonia and amines. With respect to the kind of production and chemical behaviour, the oxypropionate now investigated differs little from the oxyacetate compound. The oxyformiate, however, cannot be produced - like these compounds - directly from the organic acid and the beryllium hydroxide or -carbonate, but is only obtained after a vacuum distillation of the normal beryllium formiate. The reaction

of the Be-oxypropionate and oxyformiate with ammonia was investigated under equal conditions as they are applied in preparing the

compound Be 0(CH COO) 6.4NH . The oxypropionate yielded the

Card 1/2

THE PARTY OF THE P

On the Interaction of Beryllium Oxyformiate and -oxypropionate With Ammonia

05892 **SOV/78-4-11-4**5/50

compound Be<sub>4</sub>O(C<sub>2</sub>H<sub>5</sub>COO)<sub>6</sub>.5NH<sub>3</sub>. The Be<sub>4</sub>O(HCOO)<sub>6</sub>, however, reacts with NH<sub>3</sub> to form a finely crystalline precipitate the analysis of which is given, but for the composition of which no formula is set up. The filtrate was evaporated in the vacuum for several days, and formed a viscous noncrystallising mass. There are 4 Soviet references.

SUBMITTED:

July 9, 1959

**Card** 2/2

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

5(2)

SOV/20-125-3-25/63

AUTHORS:

Grigor'yev, A. I., Novoselova, A. V., Corresponding Member

AS USSR, Semenenko, K. N.

TITLE:

On the Compound Formed by Beryllium Oxy-acetate and Nitrogen Dioxide (O soyedinenii oksiatsetata berilliya s dvuokis'yu

azota)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 557-559

(USSR)

ABSTRACT:

It was found that Be 0(CH COO) forms adducts with NO2, similar

to those formed with SO<sub>2</sub> (Be<sub>4</sub>0(CH<sub>3</sub>COO)<sub>6</sub>.2SO<sub>2</sub> and

Be<sub>4</sub>O(CH<sub>3</sub>COO)<sub>6</sub>.SO<sub>2</sub>). The mentioned oxy-acetate is well soluble in liquid nitrogen dioxide at room temperature. If this solution is vaporized achromatic needlelike anisotropic crystals are separated. They decompose quickly in air under formation of

brown NO<sub>2</sub>-wapors. After this decomposition beryllium oxy-

acetate is left back in its cubical basic modification. The composition of the crystals may be approximately described by

Card 1/3

the following formulas: Be 0(CH COO) 6.3NO or

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

SOV/20-125-3-25/63

On the Compound Formed by Beryllium Oxy-acetate and Nitrogen Dioxide

 $Be_4O(CH_5COO)_6.1,5N_2O_4$ . By means of the measurement of the magnetic susceptibility was found that N204 probably takes part in the mentioned compounds. In order to define their composition precisely as well as in order to determine the possibility of formation of other compounds in the system beryllium oxyacetate - nitrogen dioxide the diagrams: composition - vapor pressure at constant temperature were plotted. The tensieudiometer of Hüttig (Khyuttig) served for this purpose. Its main parameters and the method were the same, as in reference 1 with the exception of a small modification which takes the aggressiveness of the gas into account because it reacts with mercury. After 2-3 hours the equilibrium in the system was reestablished. Figure 1 shows isothermal lines at 10.0 and 19.0°C. Their general shape shows that the compound Be40(CH3COO)6-1,5N2O4 is separated by the evaporation of the saturated Be<sub>4</sub>O(CH<sub>3</sub>COO)<sub>6</sub> other compounds were solution in the liquid NO2. No found to exist in the system. The last mentioned compound dis-

Card 2/3

On the Compound Formed by Beryllium Oxy-acetate and Nitrogen Dioxide

sociates as a true chemical compound in contrast to the two compounds formed with SO<sub>2</sub> (mentioned above). The decomposition

of the two last mentioned compounds proceeds by the formation of phases of variable composition. This contrast is assumed to explain the quicker establishment of the dissociation equilibrium of the compound with NO<sub>2</sub>. The dependence of the dissociation

pressure was explained by the isothermal lines (Table 1, Fig 2). Furthermore the compound obtained was investigated radiographically, its density and crystalline structure determined. There are 2 figures, 1 table, and 4 references, 1 of which is Soviet.

ASSOCIATION:

Moskovskiy gosudarstvenny universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

SUBMITTED:

January 2, 1959

Card 3/3

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

S/078/60/005/010/028/030/XX B017/B067

AUTHORS:

Grigor'yev, A. I. and Novoselova, A. V.

TITLE:

Complex Compounds of Beryllium Oxyacetate With Ammonia and

Aliphatic Amines

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 10,

pp. 2280-2283

TEXT: The authors studied the dissociation of the compounds forming in the system Be<sub>4</sub>O(CH<sub>3</sub>COO)<sub>6</sub> - NH<sub>3</sub> by measuring the vapor pressure at -33, +25, and +50°C; the isotherms of vapor pressure at the above temperatures are reproduced in Figs. 1 and 2. It was found that a compound with the composition Be<sub>4</sub>O(CH<sub>3</sub>COO)<sub>6</sub>·12NH<sub>3</sub> is formed on the dissolution of beryllium oxyacetate in ammonia at -33°C. Vapor pressure measurements at 25 and 50°C showed that this compound decomposes under formation of phases of

different compositions. The compounds with the composition

Be 40(CH 2000) 6.3R-NH 2 (R = CH 3. C2H 5, C4H 9) are unstable, and decompose on

Card 1/3

# "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

Complex Compounds of Beryllium Oxyacetate With Ammonia and Aliphatic Amines

S/078/60/005/010/028/030/XX B017/B067

heating to 100°C. For determining the structure of complex compounds of beryllium oxyacetate with ammonia, the infrared absorption spectra were taken by means of an NKC-11 (IKS-11) spectrograph with KBr, NaCl, and taken by means of complex compounds of beryllium oxyacetate LiF prisms. The formation of complex compounds of beryllium oxyacetate with ammonia and with amines is caused by a regrouping of the inner adwith ammonia and with amines is caused by a regrouping of the denda of the complex Be 40(CH<sub>3</sub>COO)<sub>6</sub>. Part of the acetate groups of the

inner sphere of the complex are displaced by ammonia and amine, and the acetate groups ionized in this connection cause the electrical conductivity of the solutions of complex compounds of beryllium oxyacetate ductivity of the solutions of complex compounds of beryllium oxyacetate itself is a non-with ammonia and with amines. Beryllium oxyacetate itself is a non-with ammonia and with amines. Beryllium oxyacetate itself is a non-with ammonia and ammonia was measured at +10 and -33°C. The temperature oxyacetate in liquid ammonia showed at +10 and -33°C. The temperature beryllium oxyacetate in liquid ammonia showed that the electrical conberyllium oxyacetate in liquid ammonia showed that the electrical conberyllium oxyacetate in liquid ammonia showed that the electrical conductivity increases with decreasing temperature, and attains a maximum at ductivity increases with decreasing temperature, and attains a maximum at another temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again. Further studies are -30°C; at lower temperatures, it decreases again.

Card 2/3

### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

THE PROPERTY OF THE PROPERTY O

Complex Compounds of Beryllium Oxyecetate With Ammonia and Aliphatic Amines

S/078/60/005/010/028/030/XX B017/B067

13 references: 7 Soviet, 4 US, 1 British, and 1 German.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova

(Moscow State University imeni M. V. Lomonosov)

SUBMITTED: July 9, 1959

Card 3/3

BOKUCHAVA, M.A.; SKOBELEVA, M.I.; KNYAZEVA, A.M.; GRIGOR'YEV, A.I.;

POLUPANOVA, R.V.

Results of testing the new technological of manufacturing black tea in the Dagonys Tea Factory in 1958-1959. Biokhim. chain. proisv. no.8:176-185 '60. (MIRA 14:1)

1. Trest "Asserchay", Baku. (Aserbaijan-Tea)

POGOTILOVA, Ye.G.; GRIGOR'YEV, A.I.; NOVOSELOVA, A.V.

Interaction of the complex compounds of Beryllium oxyacetate of the type Be40(CH<sub>2</sub>COO)<sub>6</sub> .3R - NH<sub>2</sub> with alcohols. Zhur.neorg.- khim. 7 no.6:1285-1290 Je '62. (MIRA 15:6)

(Beryllium acetate) (Alcohols)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

TYULENEV, A.K.; GRIGCE YEV, A.I.; MOVOSELOVA, V.A.

Intopection of normal beryllium acetate with annomia and ethylamine.
Zhur.meorg.khim. 8 no.1:251-253 Ja \*63. (MIRA 16.5)

1. Moskovskiy gondarstvennyiversitet imeni Lomonosova,
kafedra neorganicheskoy khimii.
(Beryllium acetate) (Ammonia) (Ethylamine)

### GRIGOR'YEV, A.I.

Infrared absorption spectra of acetates of the elements of the lat and 2nd groups of the periodic system. Zhur.neorg.khim. 8 no.4:802-810 Ap '63. (MIR' 16:3)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, kafedra neorganicheskoy khimii.

(Acetates--Absorption spectra)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

GRIGOR'YEV, A.I.; ORLOVA, Yu.V.; SIPACHEV, V.A.; NOVOSELOVA, A.V.

Vibration spectra of alkali metal fluoberyllates of the type
M2BeF4. Dokl. AN SSSR 152 no.1:134-136 S '63. (MIRA 16:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
2. Chlen-korrespondent AN SSSR (for Novoselova).

(Fluoberyllates--Spectra)

L 15199-65 EWT(m)/EWF(w)/EPF(n)-2/EWA(d)/EWP(t)/EWP(b) Fu-4 IJP(c)/ASD(m)-3 ACCESSION NR: AT4046854 JD/JG/MLK S/0000/64/000/000/0267/0275

AUTHOR: Grigor'yev, A. I.

TITLE: Effect of alloying elements on the properties of an iron-based austenitic alloy

SOURCE: AN SSSR. Nauchny\*y sovet po probleme zharoprochny\*kh splavov. Issledovaniya staley i splavov (Studies on steels and alloys). Moscow, Izd-vo Nauka, 1964, 267-275

TOPIC TAGS: austenitic steel, alloy steel, tungsten admixture, niobium admixture, titanium admixture, aluminum admixture, steel mechanical property.

ABSTRACT: The author presents the results of a study of the effects of tungsten (1.44-5.75%), niobium (32.70-36.60%), titanium (0.60-2.90%), and aluminum (0.5-3.45%) on the stress-rupture strength and creep of an iron-based alloy with 12 wt.% Cr, 35 wt.% Ni, and 0.20% C, conducted in 1949-1956 at the Metallurgical Institute. Creep curves obtained by testing the creep resistance of cylindrical specimens, 100 and 200 mm long and 10 mm in diameter, at 650C and 20 kg/mm², at creep rates of up to 10-5%/hr, were plotted in a system of semilogarithmic deformation vs time. These tests and tests of cylindrical specimens 25 and 80 mm long and 5 and 8 mm in diameter for stress-rupture strength at 750C were carried out on 1P-2, IP-5, and VP-8 machines. Tungsten additions in excess

Card 1/2

. L 15199-65

ACCESSION NR: AT4046854

of 4% and niobium additions of up to 2% were found to increase both the creep resistance and stress-rupture strength of this austenitic alloy, and titanium additions of up to 2.2% and aluminum additions to 2.5% were found to produce an optimum effect on these characteristics, titanium being rated as the most effective alloying element. The conclusion is drawn that the strengthening of this alloy is a result of the alloying of a solid solution and formation of carbide and intermetallide phases of optimum dispersion, exerting a strong decelerating effect on plastic deformation. Orig. art. has: 8 figures and 4 tables.

ASSOCIATION: Institut metallurgii im. A. A. Baykova (Metallurgical Institute)

SUBMITT ED: 16Jun64

ENCL: 00

SUB CODE: MM

NO REF SOV: 006

OTHER: 004

Card 2/2

ACCESSION NR: AP4012437

s/0078/64/009/002/0320/0329.

AUTHORS: Mitrofanova, N.D.; Marty\*nenko, L.I.; Grigor'yev, A.I.

TITLE: Hydrates of the rare earth element nitrilotriacetates

Zhurnal neorg. khim., v. 9, no. 2, 1964, 320-329 SOURCE:

TOPIC TAGS: rare earth nitrilotriacetate hydrate, composition, structure, rare earth nitrilotriacetate complex, high temperature hydrate, coordinate bond, ionic bond, gravimetric analysis, IR spectrum, x ray spectrum, thermogravimetric analysis, rare earth complex trihydrate, rare earth complex tetrahydrate, rare earth complex pentahydrate, hydrate bond strength, rare earth element

ABSTRACT: The rare earth element nitrilotriacetates form crystalline hydrates of different composition and structure depending on the nature of the central atom and the synthesis conditions. Complexes of the elements of the cerium subgroup and gadolinium form hydrates with 5, 4 and 3 molecules of water while the yttrium subgroup forms on the tetrahydrate. The probability of forming the

Card 1/32

ACCESSION NR: AP4012437

pentahydrate in the cerium subgroup decreases with the element at the end of the subgroup: samarium and gadolinium complexes form the pentahydrate only on salting out with ethanol. The water molecule bond strength is different with different types of hydrates. The aceto groups of the nitrilotriacetic acid are bonded ionically in nearly all the rare earth nitrilotriacetates. In the "high temperature" trihydrates (in which one molecule of water is especially strongly bonded), formed with the complexes of the most basic rare earth elements, La, Pr and Nd, the aceto groups form both coordinate and ionic bonds. The compounds were prepared by ion exchange, by reaction of suspensions of equivalent amounts of Ln203 and nitrilotriacetic acid, by decantation, and by salting out with organic solvents. The products were analyzed gravimetrically and thermogravimetrically; x-ray and IR spectra were obtained. Orig. art. has: 10 figures and 2 tables.

ASSOCIATION: Moskovskiy gosudarstvenny\*y universitet im. M.V. Lomonosova Kafedra neorganicheskoy khimii (Moscow State University, Department of Inorganic Chemistry)

Card 2/37

MAKSIMOV, V.N.; GRIGOR'YEV, A.I.

Infrared spectra of basic aluminum acetates. Zhur.meorg.khim. 9
no.4:1023-1024 Ap '64.

(MIRA 17:4)

GRIGOR YEV, A.I.; MAEGIMOV, V.N.

NAME OF THE PARTY OF THE PARTY

Infrared absorption spectra of the acetates of metals of the 3d group of a periodical table, and their hydrates. Zhur. neorg. khim. 9 no.5:1060-1065 My '64.

(MIRA 17:9)

1. Kafedra neorganicheskoy khimii Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

ORLOVA, T.Yu.; GRICOR'YEV, A.I.; NOVOSELOVA, A.V.

Beryllium alkoxyacetates. Zhur. neorg. khim. 9 no.5:11411143 My '64.

(MIRA 17:9)

GRIGOR'YEV, A.I.; TAM VEN'-SYA; KOLLI, I.D.; SPITSYN, Vikt. I.

Infrared spectra of complex compounds of tri- and pentavalent molybdenum with urea and thiourea. Zhur. neorg. khim. 9 no.ll: 2585-2589 N '64, (MIRA 18:1)

L 58710-65 EWT(m)/EPF(c)/EPR/EWP(j)/T/EWA(c) Pc-4/Pr-4/Ps-4 RPL ACCESSION NR: AP5016576 UR/0363/65/001/005/0633/0637 541.6 AUTHOR: Orlova, T. Yu.; Grigor'yev, A.I.; Novoselova, A.V. TITLE: Alkoxyaluminum acetates SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 5, 1965,633-637 TOPIC TAGS: aluminum organic compound, alkoxyaluminum compound, heteroorganic polymer ] ABSTRACT: By reacting normal aluminum acetate with CH3OH, C2H5OH, C3H7OH, and C4H9OH, the authors obtained compounds having the composition Al (OR) 1.5 (OCOCH3)1.5. As in the case of alkoxyberyllium acetates, the ratio of acetate to alkoxy groups is 1:1. The reaction by which alkoxyaluminum acetates are formed is Al(OCOCH<sub>3</sub>)<sub>3</sub> + 1.5ROH -> Al(OR)<sub>1.5</sub>(OCOCH<sub>3</sub>)1.5 + 1.5CH<sub>3</sub>COOH. All the products obtained were shown to be amorphous by x-ray analysis. They are unstable in air and gradually lose their alcohol groups during storage. Their thermal stability is also low. Infrared spectra show that their structures are similar. An important feature is the preservation of the general pattern of the spectrum and positions of the

L 58710-65

ACCESSION NR: AP5016576

bands in passing from the solids to their solution in chloroform. Molecular weights of the alkoxyaluminum acetates, measured ebullioscopically, showed that the compounds were high polymers (MW 2500, 3300, and 4500 for the ethoxy, propoxy, and butoxy compounds, respectively). Ethoxyaluminum acetate was also prepared from aluminum ethoxido and glacial acetic acid, and had a molecular weight of 3500. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Khimicheskiy fakul'tet, Moskovskiy gosudarstvennyy universitet im. M. V Lomonosova (Chemistry Department, Moscow State University)

SUBMITTED: 15Feb65

ENCL: 00

SUB CODE: OC

NO REF SOV: 003

OTHER: 001

Card 2/2

**APPROVED FOR RELEASE: Thursday, July 27, 2000** 

CIA-RDP86-00513R00051681(

GRICOR YEV, A.I.; POGODÍLOVA, Ye.G.; NOVOSELOVA, A.V.

Ammoniates of Be, Mg, Ca, Al, Sc, Y acetates. Zhur.neorg.khim.
10 no.4:772-779 Ap 165. (MIRA 18:6)

1. Moskovskiv gosudarstvennyy universitet imeni Lomonosova, kafedra neorganicheskoy khimii.

### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

GRIGOR'YEV, A.1.; HIT DATABULA, M.1.; HEBTYLLEO, ...

Study of certain nitrylotriacetates by infrared spectroscopy.
Zhur. neorg. khim. 10 no.6:1/09-1/18 Je '65.

(MIRA 18:6)

1. Moskovskiy gosudarstvennyy universitet imeni lomonosova, kafedra neorganicheskoy khimii.

Vibration spectra of Bc(NH3) \( \frac{7}{4} \) and Bc(H20) \( \frac{7}{4} \) ions. Bok1. At United to no.2:383-386 Ja '65.

(MIRA 18:20)

1. Moskovskiy gosudarstvennyy universitet. 2. Chlen-ko. respondent AN SSSR (for Novoselova).

GRIGCE YEV, A.I.; TUROVA, N.Ya.

Infrared absorption spectra of the alcoholates of beryllium, magnesium and alkaline earth metals. Fokl. AN SSSR 162 no.1; 98-101 My 165. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet. Submitted November 3, 1964.

TUROVA, N.Ya.; GIRCOR'YFV, A.I.; NOVOSELOVA, A.V.; AFRAMMENTA, I.G.; GUR'YANOYA, Ye.N.

Structure and properties of the complex compound BeCl<sub>2</sub>.AlCl<sub>3</sub>.3(C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O. Dokl. AN SSSR 164 no.3:590.593 S '65.

(MIRA 18:9)

1. Moskovskiy gosudarstvennyy universitet i Naurhon-issledovatei'. skiy fiziko-khimicheskiy institut im. L.Ya. Karrova. 2. Chlenkorrespondent AN SSSR (for Novoselova).

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

#### GRIGOR'YEV, A.I.

Infrared absorption spectra of copper and zinc acetates, their hydrates, and ammoniates. Zhur.neorg.khim. 10 no.11:2499-2503 N '65. (MIRA 18:12)

1. Kafedra neorganicheskoy khimii Moskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova. Submitted May 12, 1964.

SEMEMENKO, E.M.; GRIGOR\*IEV, A.I.

Structure of putasium and sodium chlevebryllates.

Ehur.meorg.khim. 10 no.12:2591-2595 D \*65.

(HIRA 19:1)

(N)	I IJP(c) JD/WW/JG SOURCE CODE: UR/0192/65/006/006/0919/0921	
AUTHOR: Kovba, L. M.; Trunov,	M. V. Lomonosov (Moskovskiy granderstvenayy univer-	
sitet)		
TITLE: Investigation of anhydrous		
ABSTRACT: Anhydrous salts of ural investigated. Anhydrous uranyl au multiple evaporation of uranyl ni Anhydrous uranyl chromate was properties and the second at 520-550C. The anhydrous uranyl stoichiometric amounts of U <sub>3</sub> O <sub>8</sub> , Market and the second subjected and the second subjected and the second subjected and the second subjected subjected and the second subjected subjec	ray diffraction analysis, ir spectroscopy,	
<u> </u>		

0	013741						$O_{1}$	
	•	ь	C	ß	N			
00 <sub>2</sub> 50 <sub>4</sub>	6.750	5.700	12.80A	103,00°	4			
U02Cr0	4	5.558	13.43A	104.50°	4		į.	
002Mb0	7.195	5.484		104.57°	4			
002W04	7.207	5.481	13.58A	104.80°	4			
ulfate in 00 nd by the ve	aker ones s	ı <b>t 8</b> 56. 83	1. and 797	cm <sup>-1</sup> . Urar	yl ions h	ad a strong	band in the	
UB 00 DE: 07	region of t							
								-

्र पुरुवास्तरम् । यस्ति (श्राप्तरस्य १, १०) । जन्म (स्वरूप्तरम् । सम्	Francisco de la Companya de la Compa
ACC NR: AP6027079 SOURCE CODE: UR/0020/66/167/002/0342/0345	
AUTHOR: Grigor'yey, A. I.; Novoselov, A. V. (Corresponding member AN SSSR)  ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy guniversitet)	
TITLE: Structure of complex compounds of beryllium oxyacetate with ammonia and primary fatty amines SOURCE: AN SSSR. Doklady, v. 167, no. 2, 1966, 342-345	
molecular structure. In spectrum, chemical at his little spectrum, hydrogen bonding,	
indicated that the acetate groups in this complex compound are monodendate.	
having studied the infrared absorption spectra of the following compounds  Be(000CH3)2.2CH-NHL and Be(000CH) .2C H NHL City Compounds	
as a result of the action of the entropy factor. From these positions it is	
of 4: 1 and 3: 1. The intramolecular hydrogen by	
beryllium oxyacetate compounds were studied. The spectra of the above	
[JPRS: 36,455] SUB CODE: 07, 20 / SUBM DATE: O9Sep65 / ORIGINER. OVI	
UDC: 546.45:541.49	
CATOMIC SERVICE CONTRACTOR OF THE CONTRACTOR OF	

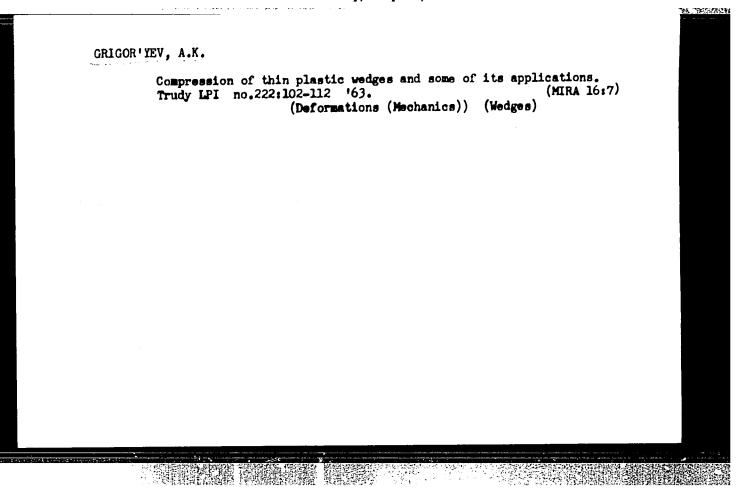
SMIRNOV, V.S. (Leningrad); GRIGOR'YEV, A.K. (Leningrad)

Using dimensional analysis for the determination of transverse deformation in rolling. Izv. AN SSSR. Met. i gor. delo no.5: 92-97 S-0 '63. (MIRA 16:11)

SMIRNOV, V.S. (Leningrad); GRIGOR'YEV, A.K. (Leningrad)

Pressure distribution on rolls in thin sheet rolling with large reductions. Izv. AN SSSR. Otd. tekh. nauk Met. i gor. delo no.1:18-21
Ja-F 163. (MIRA 16:3)

(Rolling (Metalwork))



BOGOYAVLENSKIY, K.N.; ORIGOR'IEV, A.K.

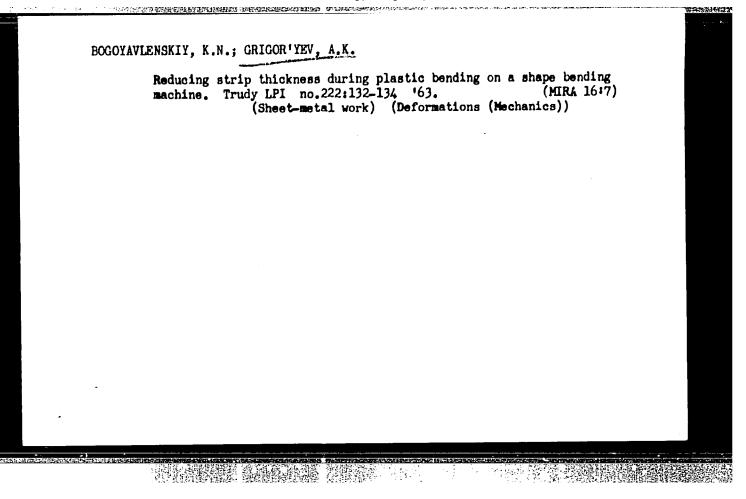
Stresses during plastic bending with hardening. Trudy LPI
no.222:113-123 '63. (MIRA 16:7)
(Sheet-metal work) (Deformations (Mechanics))

BOGOYAVLENSKIY, K.N.; GRIGOR'YEV, A.K. Investigating metal deformation on a shape bending machine. Trudy LPI no.222:124-131 '63. (Sheet-metal work) (Deformations (Mechanics)) 

BOGOYAVLENSKIY, K.N.; GRIGOR'YEV, A.K.

Initial prerequisites for an efficient grooving of shape-bending machine rollers. Trudy LPI no.222:140-147 '63. (MIRA 16:7)

(Sheet metal working machinery)



BOGOYAVLENSKIY, K.N.; GRIGOR'YEV, A.K.

Determining the mechanical properties of sheet materials for the calculation of cold deformation processes. Trudy LPI no.222: 135-139 '63. (MIRA 16:7)

(MIRA 16:7)

(MIRA 16:7)

## "APPROVED FOR RELEASE: Thursday, July 27, 2000

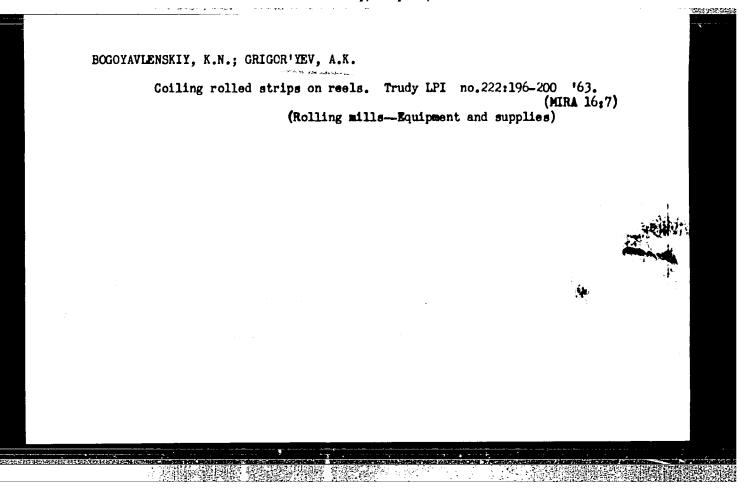
CIA-RDP86-00513R00051681

BOGOYAVLENSKIY, K.N.; GRIGOR'YEV, A.K.; POPOV, Ye.B.

Hanufacture of thin-walled shapes from titanium and its alloys on a shape-bending machine. Trudy LPI no.222:148-150 '63.

(HIRA 16:7)

(Titanium) (Sheet-metal work)



GRIGOR'YEV, A.K.; DAVIL'BEKOV, N.Kh.

Investigating corresponding conditions of metal rolling in grooves and with smooth rolls. Trudy LPI no.238:56-63 '64. (MIRA 17:11)

BOGOYAVLENSKIY, K.N.; GRIGOR'YEV, A.K.

Calculating the pressure limit on the rolls of a shape bending machine.

Trudy LPI no.238:68-69 '64. (MIRA 17:11)

BOGOYAVLENSKIY, K.N.; CRIGOR'YEV, A.K.; BORISOV, V.G.; ROGACHEV, Yu.D.

Cross stretching of strip in the manufacture of large cold-bent shapes. Trudy LPI no.238:64-67 '64. (MIRA 17:11)

SMIRNOV, V.S.; DAVIL'REKOV, N.Kh.; CRICOR'YEV, A.K.

Determining metal pressure on the rolls during rolling in diamond passes. Izv. vys. ucheb. zav.; chern. met. 8 no.7:116-119 '65.

1. Leningradskiy politekhnicheskiy institut.

(MIRA 18:7)

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

SMIRNOV, Vasiliy Sergeyevich, prof.; GRIGORTYEV, A.R., red.

[Theory of metal working by pressure; summary of lectures for students specializing in the "Plastic working of metals" of the physical metallurgy department] Technic obrabotki metallov davleniem; konspekt lekt.ii dlin studentov spetsial nosti "Flasticheskaia obrabotka metallov" fiziko-metallurgicheskogo fakuliteta. Jeningrad, keningrapolitekhn. in-t, 1965. 227 p. (MERA 18:12)

1. Chlen-korrespondent AN SSSR (for Smirnov).

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

GRIGOR'YEV, A.K.

Basic equation in the theory of elastic-plastic bending with an increase in hardness. Trudy LPI no.243:24-37 '65.

(MIRA 18:6)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

SMIRNOV, V.S.; GRIGOR'YEV, A.K.; DAVIL'BEKOV, N.Kh.

Coefficients of metal deformation during rolling in a cogging-down pass. Trudy IPI no.243:54-65 '65.

(MIRA 18:6)

SMIRNOV, V.S.; GRIGOR'YEV, A.K.; LUNEV, V.A.

Analyzing increase in width formulas and methods of the experimental investigation of transverse deformation in rolling. Trudy IPI no.243:69-78 '65. (MIRA 18:6)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051681

BOGOYAVLENSKIY, K.N.; GRIGOR'YEV, A.K.; BORISOV, V.G.

Experimental investigation of surface deformations during plastic bending. Trudy IPI no.243:112-117 '65.

(MIRA 18:6)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

BOGOYAVLENSKIY, K.N.; GRIGOR'YEV, A.K. Determining the course of shape forming starting from the plastic properties of the blank and the permissible deformation of the section's side edges. Trudy LPI no.243:118-

125 165.

BOGOYAVIENSKIY, K.N.; GRIGOR'YEV, A.K.; MEL'NICHUK, O.Ya.; IVANOV, N.F.

Investigating power parameters of rolling on mills with swivel bearings. Trudy LPI no.243:126-131 '65.

(MIRA 18:6)

L 00867-66 ENT(d)/ENT(m)/ENA(d)/ENP(v)/ENP(t)/ENP(k)/ENP(h)/ENP(b)/ENP(1)/EN(c) ACCESSION NR. AT5013065 UR/2563/65/000/243/0132/0137/ AUTHOR: Bogoyavlenskiy, K. N., Mel'nichuk, O. Ya., Grigor'yev, A. K. TITLE: Force patterns in the rolling of foil on a continuous two-stand rolling SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 243, 1965. Obrabotka metallov davleniyem (Metalworking by pressure), 132-137 TOPIC TAGS: aluminum foil, rolling mill, aluminum rolling, foil production ABSTRACT: At the Leningradskiy zavod po obrabotka taretnykh metallov (Leningrad Nonferrous Metal Works), the rolling of aluminum foil is being carried out for the first time in the Soviet Union in a continuous manner by means of a two-stand rolling mill. A suitable operation of the mill and the correct control and adjustment of its entire system require the knowledge of the various pressures on the rolls. The determination of these pressures was the object of this work. It was found that when the foil is rolled from 0.09 mm to 0.048 mm (width 480 mm), the pressure on the rolls is 47 - 48 t, the specific back tension being 3 - 4 kg/ mm<sup>2</sup>, and the specific front tension, 2.5 - 3 kg/mm<sup>2</sup>. When the foil is rolled from 0.048 to 0.025 mm (width 480 mm), the pressure on the rolls is 46 - 47 t, the Card 1/2 

L 00867-66 ACCESSION: AT5013065 specific back tension being 2.5 - 3 kg/mm<sup>2</sup>, and the front tension, 3.5 - 4.5 kg/ mm2. The data obtained can be used for the plant operation of the two-stand rolling mill, and also by designers of the mechanical and electrical equipment of continuous foil rolling mills. "Eng. A. N. Trishchevskiy participated in the work." Orig. art. has: 5 figures and 1 table. ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute) 44.55 SUB CODE: IE 00 ENCL: SUBMITTED: 00 OTHER: 000 NO REF SOV: 003 

SMIRNOV, V.S., prof.; GRIGOR'YEV, A.K., kand. tekhn. nauk

Theory of plastic working of metals. Book by I.Ya. Tarnovskiy, A.A. Pozdeyev, O.A. Ganago, V.L. Kolmogorov, V.N. Trubin, R.A. Vaysburd, and V.I. Tarnovskiy; Review. Stal' 25 no.4:348 Ap '65. (MIRA 18:11)

1. Leningradskiy politekhnicheskiy institut. 2. Chlen-korrespondent AN SSSR (for Smirnov).

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

 $\tilde{\chi}_{C}$  ,  $\tilde{\chi}_{C}$ Ad0033116 SOURCE CODE: Un/0137/66/660/667/1673/1673 AUTHOR: Bogoyavlonskiy, K. N.; Ris, V. V.; Grigor'yev, A. K. TITLE: Changes in mechanical properties of sheet molybdenum and niobium in relation to the degree of preliminary deformation SOURCE: Ref. zh. Metallurgiya, Abs. 71405 REF SOURCE: Tr. Leningr. politekhn. in-ta, no. 260, 1965, 28-31 TOPIC TAGS: metal deformation, molybdenum, niobium, mechanical property, cold rolling, yield strength, yield point, hardness, elongation ABSTRACT: An attempt has been made to plot the curves and the coefficients, establishing the relationship between Hy. ob  $\sigma_b$ ,  $\sigma_{0,2}$ ,  $\delta$ ,  $ii_V$ as a function of the degree cold rolling deformation of (up to ~ 5%). Cast and sintered Mo and No were tested. It was shown that there were no changes in of east Mo with an increase in deformation, while & decreased from 7 to ~1%. For sintered Mo, 8 decreased practically up to 6%, while and especially 60,2 increased almost linearly, reaching about 100 kg/mm2 at Card 1/2 UDC: 669. 28:620. 17+669. 293:620. 17

ACC NR: Ai	R6033116		The second secon		. ,	
* 55%. 1 material. at * 35%	In the case of Nb, a sharp It was shown that $\sigma_{b_1}$ a and then remain unchang	er decrease of nd <sup>o</sup> o.2 of si ed. P. Novik.	& was obser ntered Nb reach [Translation of	ved for cas about 75 kg abstract]	t :/mm²	
SUB CODE	: 11/				<b>*</b>	
					i :	
					!	
			•		:	
					; :	
					;	ı
ard 2/2					i	
uru 5/5	g (*). Die seine symmetrie generalische der seine generalische der segenderen selbergt von derbes som den	- Marting and a part order deposits and others and others				

ALAMPIYEV, P.M., kandidat geograficheskikh nauk, dotsent; GRIGCR'YEV, A.L., kandidat ekonomicheskikh nauk; ZHMUYDA, V.B., kandidat ekonomicheskikh nauk; dotsent; LOYTER, M.H., kandidat tekhnicheskikh nauk; LYALIKOV, N.I., kandidat geograficheskikh nauk, dotsent; NIKITIN, N.P., professor; TUTYKHIN, B.A., kandidat geograficheskikh nauk, dotsent; CHERDANTEEV, Gleb Nikanorovich, doktor ekonomicheskikh nauk, professor; DZHAVAKHIEHVILI, A.A., professor; GVELESIYANI, G.G., dotsent; GALKIN, P.D., redaktor; RODIONOVA, F.A., redaktor; SAKHA-ROVA, N.V., tekhnicheskiy redaktor.

LEIGHT YEAR ALL.

[Economic geography of the U.S.S.R.; Soviet Socialist republics; Ukrainian, Moldavian, White Russian, Lithuanian, Latvian, Estonian, Karelo-Finnish, Georgian, Azerbaijan, Armenian, Kasakh, Usbek, Kirghis, Tajik, turkmen] Ekonomicheskaia geografiia SSSR; Sovetskie sotsialisticheskie Respubliki: Ukrainskaia, Moldavskaia, Belorusskaia, Litovekaia, Latviiskaia, Estonskaia, Karelo-Finskaia, Gruzinskaia, Azerbaidshanskaia, Armianskaia, Kasakhskaia, Usbekskaia, Kirgisskaia, Tadshikskaia, Turkmenskaia, Moskva, Gos. uchebno-pedagog. isd-vo Ministerstva prosveshcheniia RSFSR, 1954, 426 p. [Microfilm] (Geography, Economic)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

GRIGOR! THY Aleksey Leonidovich; THREWHINA, G.I., red.; TSVETKOVA, S.V., teldin. red. SMIRNOVA, M.I., tekhn. red.

> [Globes and their use in teaching] Globus i rabota s nim. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 78 p. (Globes) (MIRA 11:8)

**APPROVED FOR RELEASE: Thursday, July 27, 2000** CIA-RDP86-00513R00051681(

GRICOR 7.57, Al.

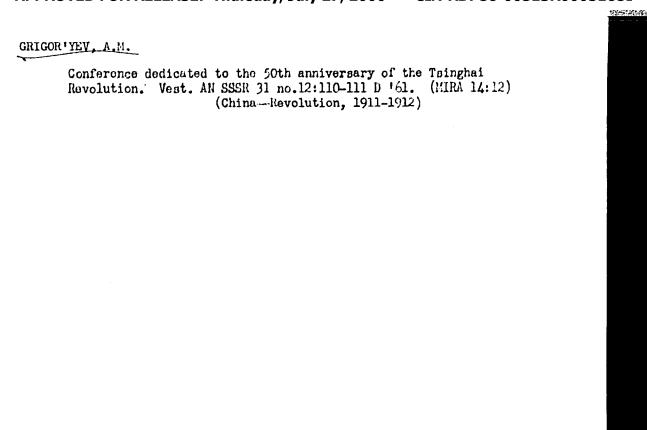
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(

GRIGOR'YEV, A.M., prof.; PREBRAZHENSKIY, P.A., inzh.

Determining the axial speed of a mass point in a vertical spiral conveyor. Izv. vys. ucheb. zav.; gor. zhur..6 no.8: 69-73 '63. (MIRA 16:10)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut. Rekomendovana kafedroy detaley mashin.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(



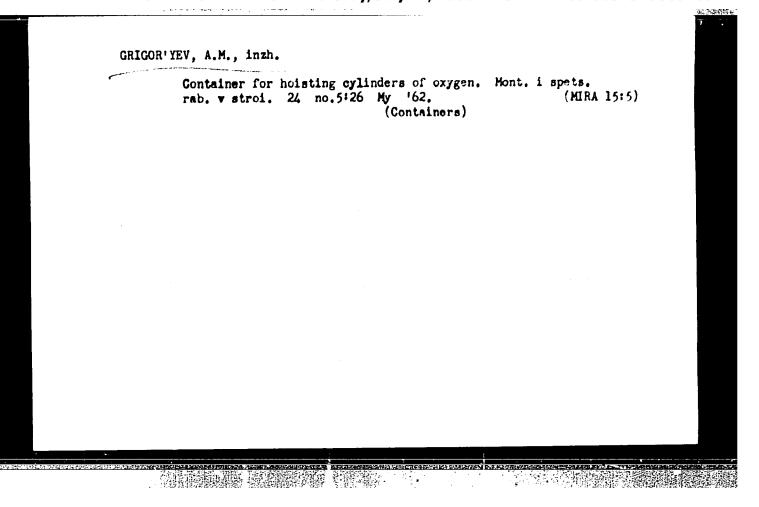
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516810

HISTORY REPORTS THE PROPERTY SHOWS THE PROPERTY OF THE PROPERT

GRIGOR'YEV, A.M. [Hrihor'iev, A.M.]; KRIVCHENKO, G.O. [Kryvchenko, H.O.], prof. [deceased]; STAROVOYTENKO, I.P.; USTINOVA, L.A. [Ustynova, L.A.]; CHUNTULOV, V.T.; GOLOVNYAK, L.P.[Holovnyak, L.P.], red.; KHOKHONOV—SKAYA, T.I. [Khokhanovs'ka, T.I.], tekhn. red.

[Economic and geographical features of the Ukrainian S.S.R.] Ukrains'ka RSR; ekonomiko-geografichna kharakterystyka. Kyiv, Vyd-vo Kyivs'koho univ., 1961. 208 p. (MIRA 14:10)

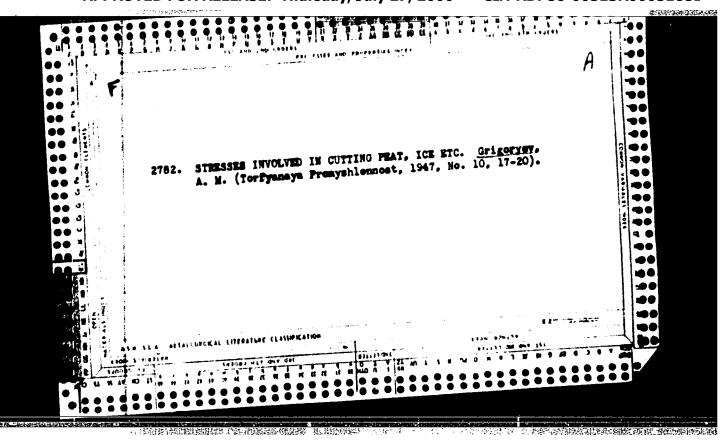
(Ukraine-Economic geography)



GRIGORTYN, A. M., Fn r. Cand. Tech. Sci.

Dissertation: "Problems of Investigating the Operations) Part of Drainage-Screw Machine." Mescow Pent Inst, 11 Feb 47.

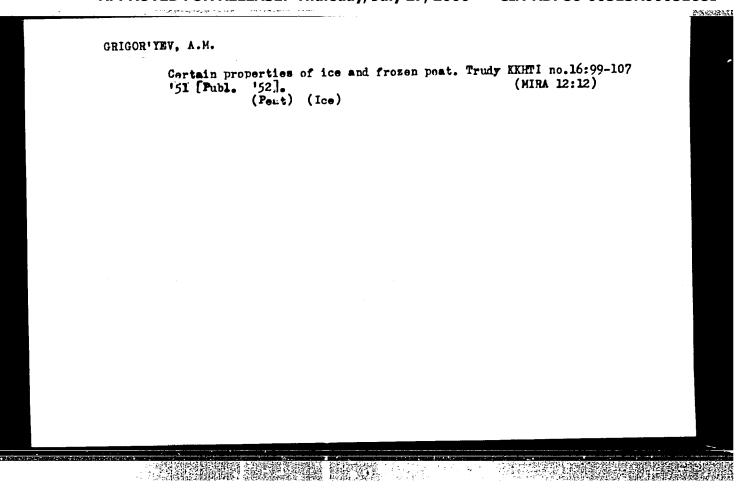
30: Vechernyava Moskva, Feb, 1947 (Project #17836)



GRIGOR'YEV, A. M.

"Determination of the Efficiency of Raising a Mass by Calculating the Change of Position for a Vertical Auger," Torf. Prom., No. 2, 1948. Cand Tech Sci.

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051681(



Study of characteristics of a peat deposit and their application operation of machines. Trudy KKHTI no.16:109-116 '51 [Publ. '52].  (Peat)						

NIKIFOROV, M. Ye.; GRIGORIEV, A. M.

Gearing, Worm

On the theory of vertical worm gear, Torf. prom. 30, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress,

To compare the compared to the

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

#### CIA-RDP86-00513R00051681

