"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222

The properties of soft butadiene-nitrile rubbers and... A051/A129

it in other properties. The soft SKN rubbers were tested under industrial conditions used in commercial articles at the rubber article plants. The authors conclude that vulcanizates from soft SKN rubbers with a Defoe hardness of 700 - 1,000 g compared to vulcanizates from mass-produced rubbers are characterized by a lowered rate of vulcanization, somewhat lowered values of tear resistance and moduli. The vulcanizates of the soft SKN-18 rubber have also a lower frost resistance coefficient and elasticity. All other properties are almost equivalent. By increasing the sulfur content or the accelerators, an increase in the rate of vulcanization is achieved for mixtures of soft SKN rubbers, and in improvement in the resistance properties of the vulcanizates based on them. Due to the use of soft SKN rubbers in the production of rubber articles the cumbersome and energy-consuming stage of mechanical mastication is eliminated and the output of the mixing rollers is increased. There are 3 graphs and 5 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti (Scientific Research Institute of the Rubber Industry)

Card 3/5

LEPETCV, Vasiliy Aleksandrovich; ESMAN, P.1., red.; GRIVA, Z.I., red.

.

[Engineering rubber goods] Rezinovye tekhnicheskie izdeliia. Izd.2., perer. i dop. Moskva, Khimiia, 1965. 471 p. (MIRA 18:6)

MIKHAYLOV, G.G.; ESMAN, P.M.

··- • •••

Four-spindle head for milling key grooves. Stroi.i dor. mashinostr. 4 no.9:34 S '59. (MIRA 12:] (Milling machines--Attachments) (MIRA 12:11)

MIKHATLOV, G.G.; BSMAH, P.H.

Reconditioning lathe chucks. Stan.i instr. 31 no.2:45 F 160. (MIRA 13:5) F '60. (Chucks)



CIA-RDP86-00513R00041222

ESMAIL, S. A.

"Theory and Methods of Calculation of the Electric Drive and the Constrol Scheme of "Flying Scissors". Official opponets: I. G. Kul'bachnyy, Professor, Boctor of Technical Sciences and Ye. V Nitusosv, Professor Doctor of Technical Sciences.

Dissertation for the Degree of Candidate of Technical Sciences, Defended at All-Union Correspondence Polytechnic Inst. 22 June 1950 (Elektrichestvo, 1958, pp 89-91, No. 5)

s Es

ESMAT ALLAM, appirant

Potato and towato late blight in the Egyptian region of the United Arab Republic. Zashch. rast. ot vred. i bol. 5 no.10: 47-48 0 '60. (MIRA 16:1)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im. Timiryazeva, kafedra fitopatologii.

> (Egypt-Tomatoes-Diseases and pests) (Egypt-Potato rot)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041222

CHERNYAK, A.S.; ESMONT, Ye.M.; SHEMETOVA, V.G.

Chemical fertilizers from phosphorites of the Lake Baikal region. Izv.Sib.otd.AN SSSR no.1:101-104 '62. (MIRA 15:3)

(Fertilizers and manures)

CHERNYAK, A.S.; ESMONT, Ye.M.

Chemical selection of columbite pyrochlors and apatite in the concentration of rare-earth sands. Zhur. prikl. khim. 38 no.1: (MIRA 18:3) 193-194 Ju 165.

ESO, Erno, Dr; Vas Megye Council "Markusovszky" Hospital (director: CSELKO, Laszlo, Dr), Department of Urological Surgery (chief physician: ZOLTAN, Tibor, Dr) (Vas M. T. -- Megyei Tanacs --, "Markusovszky" Korhaz, Urologiai Sebeszeti Osztaly).

"An Operated Case of Prostatic Myosarcoma."

Budapest, Magyar Sebeszet, Vol XIX, No 2, Apr 66, pages 141-143.

<u>Abstract</u>: [Author's Hungarian summary] A brief literature survey is followed by the description of a case of prostatic myosarcoma. Because of total retention of urine, transvesical prostatectomy was performed in combination with deep radiotherapy. The patient died 7 months after the operation. In addition to local recurrences the cause of death was severe tumor cachexia and apostematous nephritis caused by ureter compression. 4 Hungarian, 4 Western references.

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- 35 -

"APPROVED FOR RELEASE: Thursday, July 27, 2000

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CIA-RDP86-00513R00041222

SOV/112-59-5-8868 8(6) Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 5, p 64 (USSR) AUTHOR: Esop, Kh. R. TITLE: A Synchronous-Generator Excitation System Fed at a High Frequency and Using Magnetic Amplifiers and a Compounding System Is Analyzed PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Energetika, 1958, Nr 5, p 11-19 ABSTRACT: A scheme of synchronous-generator compounding with an electromagnetic correction is described; the scheme is distinguished by high-speed magnetic amplifiers supplied from a high-frequency generator. It is noted that even under steady-state conditions, examination of the process of parallel supply of the generator field winding from the compounding-circuit rectifiers and from the correction circuit is very difficult because the currents and voltages are nonsinusoidal; the latter fact is due to nonlinearity of rectifiers and magnetic amplifiers. Results of experimental investigations are reported, as are the oscillograms of transients accompanying the switching on of a Card 1/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222

SOV/112-59-5-8868 A Synchronous-Generator Excitation System Fed at a High Frequency and Using cquirrel-cage motor and a static inductive load. An approximate linearized differential equation for the above system was set up. An inference is drawn that the relative linearization error in analytical examination of the transients, as compared to experimental data, does not exceed 10-20% of the voltage deviation. An additional error due to the constant-load assumption can be evaluated as 1-3% of the rated voltage. I.V.G.

Card 2/2

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ESOP, Kh. R.

Cand Tech Sci - (diss) "Analysis of a system of excitation of synchronous generators using high frequency supply and with the use of magnetic amplifiers and compounding equipment." Tallin, 1961. 11 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Polytechnic Inst imeni M. I. Kalinin); 150 copies; free; (KL, 7-61 sup, 249)

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Synthetic zenites and Heir as in him-su composition re. Ropa a unite 6 no.12:053-352 D lou.

l. Chair of Baildteenhology of the Souver History Source . Technology, Bratislava.

ESPE, W.

"Glass and ceramics in vacu m technology" by P.Calnot, G.Gallet. Reviewed by W.F. ne Slaboproudy obzor 25 no.10:Suppl:Literatura 25 ... 10:L77 '64.



"APPROVED FOR RELEASE: Thursday, July 27, 2000



CIA-RDP86-00513R00041222

"APPROVED FOR RELEASE: Thursday, July 27, 2000



ESPE, W.; FOKORNY, V. - Vol. 14, no. 4, Apr. 1953. SLABOPROUDY OBZOR

New trends in the design of transmitting tubes. p. 178.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041222

energian and a state of the second state of the se ESPE, 13249. Curbon as a material in vacuum technology. W. Esrr. Slabeproudy Obzor, 14, No: 12, 531-47 -11953-In Prech. At second of electrical graphite, its production, properties and application; porous non-graphited colon, production and application; colloidal graphite and suspensions, production and technology; carbon films, their formation from gaseous hydrocarbons and applications. Bibliography of 78 items. A,

APPROVED FOR RELEASE: Thursday, July 27, 2000

ESPE, W.

Compound metals in vacuum techniques; clad metals and impregnated metals. (To be contd.) p. 39.

SLABORPHOUDY OBZOR. Praha. Vol. 15, no. 1, Jan, 1954.

SOURCE: East European Accessions List (EEAL), IC, Vol. 5, no. 3, March 1956.

ESPE, W.

Hix, P. Vapor pressures and evaporation rates of materials for electronics, especially metals. (Supplement) p. P15. SLABOPROUDY OFZOR, Prague, Vol. 15, no. 3, Mar. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222

ESPE, WERNER	
Czechoslovakia/Electronics - Vacuum Technique, H-9	
Abst Journal:	Referat Zhur - Fizika, No 12, 1956, 35228
Author:	Espe, Werner
Institution:	None
Title:	Methods and Techniques of Degassing Metals
Original Periodical:	Slaboproudy obzor, 1954, 15, No 6, 282-293; Czech; Russian, Frenca German, and English resumés
Abstract:	Quantitative data are given on the absorption of various gases by metals. Description is given of the known methods for degassing the untreated metal by melting, and degassing parts and systems of elec trodes of vacuum tubes by heating in vacuum or in hydrogen (in spe- cial ovens, or by high frequency heating), or by electron bombard- ment. Bibliography, 66 titles. For the start of the article see Referat Zhur - Khim, 1955, 22055.

Card 1/1

"APPROVED FOR RELEASE: Thursday, July 27, 2000

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222

Czechoslovakia

ESPE, W.

(Prague and Bratislava)

Ueber elektrische Widerstandsschweissung von Glas in der Vakummtechnik

SO: Nachrichtentechnik, #12, December 1955, Unclassified.

CIA-RDP86-00513R00041222

SSPE, W.

Technology and application of moreury in vacuum technology. P. 27. MADNACOBY OFZER, Praha, Vol. 16, no. 1, Jan 1955.

SO: Monthly list of East European Accessions, (MEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.



"APPROVED FOR RELEASE: Thursday, July 27, 2000



APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00



The most important glasses for vacuum technology and instruments in Czechoslovakia and the German Democratic Republic. p. 439. BLABOEROUDY OFLOR. (Ministerstvo strojirenstvi a ministerstvo spolu) Praha. Vol. 16, no. 8, Aug. 1955.

BOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

ESPE, W.

W. ESPE (Prague and Bratislava), "Technologie und Verwendung des Quecksilbers in der Vakuumtechnik," <u>Nachrichtentechnik</u>, Vol. 6, No. 4, Berlin, April 1956, Unclassified.

(Rough translation of title: Technology and Use of Quicksilver in Vacuum Engineering)

CIA-RDP86-00513R00041222

E Spe, W N. Espe (Frague and Bratislava), "Kupfer als Werkstoff ler Hochvakuumtechnik; Teil II: Kupfer-Glas-Verschnelzungen," <u>Hachrichtentechnik</u> (Berlin), 6/9, September 1956, p. 401 ff.

ESPE, W.

The production and application of shaped parts made of sintered glass in vacuum technology. p. 193. (Strojnoelektrotechnicky Casopis. Pratislava. Vol. 7, no. 1, 1956.)

SC: Monthly List of East European Accessions (EEAL) LC., Vol. 6, no. 7, July 1957. Uncl.

CIA-RDP86-00513R00041222

ESPE. W.

A new lightning arrester. p. 80. (Strojnoelektrotechnicky Casopis, Vol. 8, No. 2, 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (MEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222
ESPE, WERNER
CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application. Ceramics. Glass. Binders. Concrete.
H-13
Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15283.
Author : Espe Werner
Inst :
Title : Quartz Glass, Fused Quartz Sand and Glass Similar to Quartz Glass, as Materials in High-Vacuum Technique.
Orig Pub: Slaboproudy obzor, 1957, 18, No 4, 266-280.

Abstract A review of production and further treatment methods, physical and chemical properties, and also of procedures of utilizing quartz glass. fused quartz sand and of glasses similar to quartz glass, in the technique of high-vacuum. Bibliography 63 references.

Card : 1/1
"APPROVED FOR RELEASE: Thursday, July 27, 2000

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their H-13 Application. Ceranics. Glass. Binding Materials. Concrete. Abs Jour: Ref Zhur-Khim., No 2, 1959, 5494. Author : Espe, Werner. Inst : Title : On Neutron Penetrance of Industrial Glasses. Orig Pub: Strojnoelektrotechu. cascp., 1958, 9, No 3, 168-171. Abstract: Analyzing the coefficient of specific absorption of neutrons (Ns) by various oxides taking part in the composition of glass (G), the author draws the conclusion that ordinary industrial Gs are characterized by a great neutron penetrance. On the contrary, G containing oxides of Cd, B, Gd and Eu, absorbs neutrons very efficiently. Indian oxide possesses on exclusively Card : 1/2

61

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041222

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their H-13 Application. Ceramics. Glass. Binding Materials. Concrete.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5494.

great capacity of selective absorption of neutrons of an energy of 1.4 electron-volt. Recipes for, and properties of, some Gs designed for protection from neutrons are presented. Bibliography with 3 titles. -L. Sedov.

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

CIA-RDP86-00513R00041222

CZECHOSLOVAKIA / Chemical Technology. Chemical Products Н and Their Applications. Glass. Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12561. Author : Espe, Warner. Inst : Not-given. : On the Gas Permeability of Industrial Glass. Tit1e Orig Pub: Strojnoelektrotechn. casop., 1958, 9, No 4, 240-246. Abstract: It is remarked that in an "ultra-vacuum" (residual pressure 10-8-10-12 mm mercury column), industrial glass (G) becomes gas permeable to a certain degree. This permeability is very low for all gases, excluding helium, which, especially during high tempera-tures, passes rapidly through the glass. The diffusion rate of the gases increases with a decrease in the size of the gas molecules and with an increase in the content of oxides of silicon, boron, and Card 1/2

CZECHOSLOVAKIA / Chemical Technology. Chemical Products H and Their Applications. Glass.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12561.

Abstract: phosphorus in the composition of the industrial glass. Boron-silicate G of the "pyrex" types possesses the greatest permeability for gases, and, in particular, quartz G. The gas permeability of G increases strongly with increased temperature and is found in linear dependence on the size, and in inverse relation to absolute temperature. Bib. 10 titles. -- L. Sedov.

Card 2/2

41

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CZECHOSLOVAKIA/Electronics - Vacuum Techniques H-9
Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 8778
Author : Espe Worner.
Inst : Title : Mica as a Material for Vacuum Technology
Ori, Pub : Slaboproudy obzor, 1950, 19, No 6, 389-397
Abstract : A survey is given of the properties of mica as a vacuum mathematical properties, mathematical properties, mathematical processing and of degassing, and surface conting of mica in vacuum technology are all considered.

Card : 1/1

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041222

CZECHOSLOV/KIA/Electronics - Vacuum Techniques H-9 Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 8779 : Espe Worner Author : Slovak College for Technology in Bratislava, Czechoslovakia Inst : Use of Mica in Vacuum Technology Title Ori, Pub : Slaboproudy obsor, 1950, 19, No 7, 458-464 Abstract : ... systematic survey is given of the application of mica as a material in high vacuum technology. The following problems are considered: deposite, mining, and chemical composition of mica; treatment, physical and chasical properties, degassing, surface treatment, fusing of mice to glass or metal; and several examples of application of mica in vacuum technology. The outhor considers briefly the manufacture of synthetic mica and its properties. Bibliography, 77 titles. -- Author's resume : 1/1 Card -0

ESPE, W.		
	Z/0 39/60/021/03/008/028 E140/E135	
AUTHORS: Wer	ner Espe and Arno Kuhn	
TITLE: Gas	Filling for <u>Ionisation Detectors</u> , Especially isation Chambers and Proportional Counters	
PERIODICAL: S	laboproudý Obzor, 1960, Vol 21, Nr 3, pp 156-162	
gase Afte for cour infl dete of g	tematic survey of the gases and optimum mixtures of as and vapours used for filling ionisation detectors. For a short general introduction the gaseous fillings various kinds of ionisation chambers and proportional inters are dealt with in detail as well as the luence of the filling on the qualities of the factors. Particular attention is paid to the choice gaseous filling in accordance with the kind of lation to be detected.	,
1/1 Ther	the are 10 figures, 4 tables and 18 references, of the 10 are German, 8 English.	
ASSOCIATION: S	lovenská vysoká škola technická, Bratislava Slovak Technical University, Bratislava) (W. Espe);	
9 (U	polek pro chemickou a hutní výrobu n.p., Ústí n. L. <u>Association for Chemical and Metallurgical Production</u> , sti n L.) (A. Kuhn).)
	ugust 25, 1959	

ESPE, Werner: KUHN, Arno

Some technological problems of Geiger-Muller tubes and spark counters. Slaboproudy obzor 21 no.5:288-299 My '60. (EEAI 9:8)

1. Slovenska vysoka skola technicka, Bratislava (for Espe); 2. Spolek pro chemickou a hutni vyrobu, Usti nad Labem (for Kuhn) (Geiger-Muller counters)

Rheniu; production, properties and use in high vacuum en-gineering. El tech das 14 no.9:560-571*63.

"Scientific foundations of vacuum technique" by Saul Dushman. Reviewed by W.Espe. Tel tech cas 14 no.9:581-582 '63.

"Glossary of terms used in vacuum technology." Reviewed by W. Espe. Slaboproudy obzor:Suppl.:Literatura 24 no.5:L37 *63.

3

"Introduction to vacuum technology" by S.Buch. Reviewed by W.Espe. Slaboproudy obzor 24 no.9:Suppl.:Literatura 24 no.9:L69, L71 '63.

"Practice of the high-vacuum engineering" by H.L.Eschbach. Reviewed by W.Espe. Slaboproudy obzor 24 no.10:Suppl.:Literatura 24 no.10:L79 '63.

L 30113-66 FCC GG/WW		cz/0028/65/0	00/006/03	12/0310
ACC NRI AP6020591	SOURCE CODE!	62/0020/05/0	00/000/03.	i
AUTHOR: Espe, Werner (Bratislava)			Statia €	30 B
ORG: none	_			
TITLE: Some new matters of interest fr	<pre>>>> com vacuum technic</pre>	que		
SOURCE: Pokroky matomatiky fyziky a as	stronomie, no. 6,	1965, 312-319	1	
TOPIC TAGS: vacuum technique, atmosphe	ric prossure			
ABSTRACT: The article prosents a surve of vacuum technique in industry, physic required vacuum, and a table and a diag and interplanetary space as a function author thanks Engineer K. Merinsky, Can and compiling the survey. Orig. art. h	as and chemistry, gram showing the of height above adidate of Science	with indicati a <u>ir pressure</u> the Earth's su e <u>s</u> fo <u>r</u> helpful	ons of the n near, or rface. The	o utor ho
SUB CODE: 20, 08 / SUBM DATE: none				
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$\underline{L 3539} \underline{L 66} \underline{EWP(e)} \underline{ETI} \underline{EWP(t)} \underline{IJP(c)} \underline{JD} \underline{HW} \underline{WH} \underline{IJP(c)} \underline{U} \underline{WH} \underline{U} \underline{WH} \underline{U} \underline{U} \underline{U} \underline{WH} \underline{U} \underline{WH} \underline{U} \underline{U} \underline{U} \underline{WH} \underline{U} \underline{U} \underline{U} \underline{U} \underline{U} \underline{U} \underline{U} U$
ACC NR: AP6026902 SOURCE CODE: CZ/0042/65/000/006/0348/0362
AUTHOR: Espe, Werner (Professor; Doctor); Hix, Peter (Engineer)
ORG: [Espe] Department of Radio Engineering, <u>Slovak Institute of Technology</u> . <u>Bratislava</u> (Katedra radiotechnologie SVST); [Hix] <u>Tesla Roznov</u> , <u>National Enterplie</u> , <u>Vrsovice plant</u> , Prague (Tesla Roznov, n.p., zavod Vrsovice)
TITLE: Contribution to the advantageous processing of FeNiCo alloys before and after their sealing to glass $\frac{1}{27} \frac{1}{27} \frac{1}{27}$
SOURCE: Elektrotechnicky casopis, no. 6, 1965, 348-362
TOPIC TAGS: coaxial cable, glass to metal seal
ABSTRACT: The article discusses practical experience obtained in the designing and production of coaxial <u>kovar-to-glass seals</u> for bushings used in hf-transmission tubes, which led to good manufacturing results. The experience also is generally useful in kovar-to-glass seal production, in the manufacturing of thyratrons, for example. Many design drawings and photographs of elements given practical tests are included. This paper was presented by J. Slosiar. Orig. art. has: 5 figures and 3 tables. [Based on authors' Eng. abst.] [JPRS: 32,482]
SUB CODE: 13, 09 / SUBM DATE: 19Jan65 / ORIG REF: 006 / OTH REF: 007
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L 31784-66 EWP(t)/ETI IJP(o) JD	
ACC NR: AP6021644 SOURCE CODE: CZ/0030/65/000/010/0305/0310	
AUTHOR: Espe, Worner (Professor; Doctor), Bratislava 5/	
ORG: none	
TITLE: Problems of vacuum technique in the preparation of thin layers	
SOURCE: Jemna mochanika a optika, no. 10, 1965, 305-310	
TOPIC TAGS: vacuum technique, metal film, semiconducting film	
ABSTRACT: The article presents a survey of modern methods of vacuum technique, a knowledge and mastery of which are necessary in the production of thin layers. Thirty references cited in this, the first part of the article, but not listed. Orig. art. has: 20 figures and 5 tables. [JPRS]	
SUB CODE: 20 / SUBM DATE: 04Aug65	
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LS Card 1/1 UDC: 621.52	!

<u>E 31021-66 ENP(t)/ETI IJP(c)</u> ACC NR: AP6022987	SOURCE CODE: CZ/0030/65/000/011/03	741/0348
AUTHOR: Espe, Werner (Professor; De	octor of philosophy; Bratislava)	76 R
ORG: none	ί¢.	0
TTLE: Problems of vacuum techniqu	e in the application of thin layers	
SOURCE: Jemma mechanika a optika,	no. 11, 1965, 341-348	
TOPIC TAGS: vacuum technology, fil semiconducting film	im cooling, electron bombardment, sealing de	vice,
journal. It deals with low-temperated and the production of this	usion of an article in no. 10, 1965, of this ture cooling, design problems of sealing in in films, resistance heating, electron bomba of producing thin films without the use of and 5 tables. [JPRS]	ardment,
SUB CODE: 20, 13 / SUEM DATE: 0	3Aug65 / ORIG REF: 001 / OTH REF: 07	7
		-

1 21365-66 T/EMP(t) JD	
ACC NR: AP6010922 SOURCE CODE: CZ/0039/65/026/006/0335/0	342
AUTHOR: Espe. Werner (Professor; Doctor)	2
ORG: Slovak Institute of Technology, Bratislava (Slovenska vysoka skola technicka)
TITLE: Materials for separable ultrahigh vacuum joints	
SOURCE: Slaboproudy obzor, v. 26, no. 6, 1965, 335-342	
TOPIC TAGS: ultrahigh vacuum, vacuum degassing, vacuum seal, vacuum chamber, meta	1
ABSTRACT: The article surveys suitable and reliable materials for separable all-m joints which may be degassed easily and used for <u>ultrahigh vacuum</u> ; ^t methods of appl cation are stated. Metals are discussed first, and then elastic materials with- standing higher temperatures are compared with them. Orig. art. has: 28 figures and 1 table. [JPRS]	etal i-
SUB CODE: 11, 13 / SUBM DATE: 28Sep64 / ORIG REF: 002 / OTH REF: 034	
	- <u>-</u> -
Cord 1/1 AC UDC: 621.52	2



ESPENHAN Maria	
MARCINIAK, Aleksandra;	BSPENHAN, Maria
Significance of diseases. Polski	paper electrophoresis in clinical rheumatic ie arch. med. wewnetrs. 24 no.3a:383-392 1954.
Kierownik: prof. (RHEUMAT) *globu (RINCTRO) *of sen (SNRUM 63	Chorob Wewnetrsnych Akademii Medycznej w Posnaniu , dr St.Kwasniewski. ISM, blood in, lin, electrophoresis) PHORESIS, rum globulin in rheum) LOBULIN, in various diseases, electrophoresis)

CIA-RDP86-00513R00041222

BSPENHAN, N., MICHALKIEWICZ, W., ZYWICKA-TWAROWSKA, I.

Blood proteins in normal and diseased newborn infant. Pediat.polska 33 no.3:303-313 Mar 58

1. Z I Kliniki Poloznictwa i Chorob Kobiecych A.M. w Poznaniu. Kierownik: doc dr med. W Michalkiewicz. Adres: Poznan, ul. Polna 33. I Klin. Poloz. i Chor. Kobiecych A.M. (BLOOD PROTEINS, determ. in ncrmal & dis. newborn inf. (Pol)) (INFANT, NEWBORN, dis. blood proteins in (Pol))

ESPENHAN, Maria; MICHALKIEWOCZ, Witold

Some physico-chemical properties of proteins of the myometrium. Ginek. pol. 34 no.2:193-197 63.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych AM w Poznaniu Kierownik: prof. dr med. W. Michalkiewicz. (MUSCLE PROTEINS) (UTERUS) (CHEMISTRY)

ESPERCY, D. N.

ECPERCY, P. N. -- "Material on the Problem of Intraatdorinal Pressure in Humans." Kuytyshev State Medical Inst. Chair of Hospital Surgery. Kuytyshev, ICTC. (Discortation for the Portuge of Candidate in Medical Sciences)

SC: Enizhnaya Latopist, No 1, 1976

ESPEROV. B. BI ESPEROV. B.N. State State State Street St Echinococcosis of the thoracic wall, Vop.meirokhir. 21 no.6:53-54 N-D '57. (MIRA 11:2) 1. Kafedra gospital'noy khirurgii Kuybyshevskogo meditsinskogo instituta. (ECHINOCOCCOSIS, case reports thoracic wall) (THORAX, dis. echinococcosis of thoracic wall)

/ 5 fk p.m., E. M ESPEROV, B.N., kand.med.nauk Observations of malignant hypertension following surgery. Sov.med. 21 no.11:98-100 N '57. (MIRA 11:3) 1. Iz kafedry gospital'noy khirurgii (zav.-prof. A.M.Aminev) Kuybyshevskogo meditsinskogo instituta (dir.-prof. T.I. Yeroshevskiy) (HYPERTENSION, surg. follow-up in malignant hypertension)

ESPEROV, B.N., kandidat meditsinskikh nauk

Pneumoperitoneum following surgery and its significance in the clinic [with summary in Hnglish]. Khirurgiia 33 no.3:48-51 Mr 157. (MLRA 10:6)

1. Is kafedry gospital'nay khirurgii (sav. - prof. A.M.Aminev) Tyubyshevskogo meditsinskogo instituta (dir. - prof. T.I. Teroshevskiy) (PHEUNOPERITONEUN

postop., clin. significance (Rus))

ESPEROV, B.N., dotsent

Lumbrosacral radiculitis caused by herniation of the intervertebral disks and their surgical treatment. Vop.neirokhir. 25 no.3:24-28 My-Je '61. (MIRA 14:5)

1. Kafedra gospital'noy khirurgii Kuybyshevskogo meditsinskogo instituta.

(INTERVERTEBRAL DISK-DISEASES) (NERVES, SPINAL-DISEASES)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222(

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ESPEROV, B.N.

Clinical aspects and results of surgical treatment in intervertebral disk hernia. Zhur. nevr. i psikh. vol. 64 no.5:694-700 '64.

(MIRA 17:7) 1. Kafedra gospital noy khirurgii (zaveduyushchiy - prof.A.M.Aminev) i kafedra nervnykh bolezney (zaveduyushchiy - prof.A.I.^Zlatoverov) Kuybyshevskogo meditisnskogo instituta.

ESPEROV, B.N., dotsent (Kuybyshev, Polevaya ul., 3, kv.43)

Discography (nucleography) in hernias of lumbar intervertebral disks. Vest. khir. 92 no.3:79-82 Mr '64. (MIRA 17:12)

l. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. A.M.Aminev)
i kafedry nervnykh bolezney (zav. - prof. A.I.Zlatoverov) Kuybyshevskogo
meditsinskogo instituta.

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

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AUTHOR: "Espig, H.

TITLE: On the Synthesis of Asbestos and of Some Other Minerals PERIODICAL: Silikáty, 1960, No 1, pp 10-28 + 1 plate

81104 2/012/60/000/01/002/015

E073/E535

ABSTRACT: In the Scientific Laboratory of the Electro-chemical Combine in Bitterfeld, East Germany, research has been carried out aimed at synthesizing long threads of asbestos suitable for spinning. Although the research is not completed, considerable progress has been ١X achieved. They succeeded in producing water-free asbestos of the types Ca-Mg-asbestos, pure Mg-asbestos and sodium or fluorine containing crocidolite of lengths up to 5 mm which are suitable for special purposes since they are chemically and thermally more resistant than some natural types of asbestos, particularly fibrous serpentine. It was proved that the synthesis of asbestos does not pass through the gaseous phase but in a peculiar way it passes via drops Card 1/3 of a silicate intermediate substance from which acicules

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Z/012/60/000/01/002/015 E073/E535

On the Synthesis of Asbestos and of Some Other Minerals

and fibres form owing to excessively rapid crystallization in the case of high saturation. The author deals with the conditions under which compact crystals occur, acicules or fibres, i.e. with the problems of the The author points out the dependence crystal habitus. between the Mg0:SiO2 ratio and the greater or lesser purity of asbestos, "i.e. the absence of accompanying minerals, as for instance talcum, tridymite, etc. Since so far the synthetic asbestos substance differs considerably from the natural asbestos, conditions were investigated for the manufacture of components from this synthetic asbestos. Furthermore, the production was studied of soft, pliable fibres and the loosening ,X of the mass by combustible substances (coal dust and particularly peat dust) which is favourable from the point of view of fibre formation. Problems of the crucible material and apparatus problems were also Card 2/3 investigated and the research program has been extended

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Z/012/60/000/01/002/015 E073/E535

On the Synthesis of Asbestos and of Some Other Minerals

to include synthesis of ferrous-asbestos, mica and turmaline. From the structural point of view it is interesting that, on several occasions, the asbestos was obtained as strip-like crystals, which indicates a transition from fibre silicates to layer silicates. There are 13 references, all of which are German.

ASSOCIATION: VEB, Elektrochemický kombinát Bitterfeld (VEB, Electrochemical Combine, Bitterfeld, East Germany)

SUBMITTED: June 1, 1959

Card 3/3

ESRIC, E. Cr. DUTU. St., er.; STUPCANU. C., dr.; ESRIG, E., dr. Trypein test in differential diagnosis of ventilatory insufficiency. Med. int., Bucur. 9 no.3:417-423 Mar 57. 1. Lugrare efectuata in Laboratorul de fisiologie al Institutului de ftisiologie. (RESPIRATION insuff., diag., trypein test) (TRYPSIN test of resp. insuff.)

CARPINISAN, C.; SCUREI, Alex.; CORNEA, P.; ESRIG, E.

.

Contributions to the clinical study and therapy of pulmonary air cysts. Rumanian med.rev. 7 no.3:41-46 J1-S'63

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POENARU, Elena; ESRIG, Mira; LAZAR, M.; LASCO, N.; KRANZDORF, H.

Contribution to the study of tetanus toxoid adsorbed on a mineral support, with or without previous purification. I. Arch. roum.path. exp. microbiol. 23 no. 3:667-674 S '63.

 Laboratoire du Tetanos (for Peonaru, Esrig, Lazar, Lasco).
 Laboratoire pour la Purification des antigenes (for Kranzdorf). Travail de l'Institut "Dr. I. Cantacuzino.", Bucarest.

RUDNYY, N.M.; BOZZHENNIKOVA, N.P.; ESRIK, V.B. Transient measurement of an electric resistance of 1 1000 x 10 ohms. Trudy VNIIM no.38:52-60 '59. (MIRA 13:4) (Electric resistance--Measurement)
RUDNYY, N.M.; ESRIK, V.B.

Combined standard measure of electric meistance. Trudy VNIIM no.38:61-70 '59. (MIRA 13:4) (Electric resistance--Measurement)

ECLE, F.

"Building Ceramico", P. 224, (EATFRINEY PULCHARD, Vol. C, No. 31, Feverher 1954, Marsaw, Poland)

SC: Fonthly List of Fast European Scenasions (FAL), F., Vol. 7, Ec. 3, March 1955, Uncl.

GIMMEL"FARE, YR. K.; ESSEL', A.Ye.; MASLOVCHUK, Ye.P.

Observations of phagocytic reaction of leukocytes to a suspension of Salmonella typhosa with added vaccinia virus. Zhur. Mikrobiol. epid. i immun. no.5:69-73 My '55. (MLRA 8:7)

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1. Iz Uzhgorodnskogo instituta epidemiologii, mikrobiologii i
gigiyeny (dir. V.M. Meshchenko) i kafedry epidemiologii (zav.
prof. Ya. K. Gimmelfarb) Odesskogo meditsinskogo instituta imeni
N.I. Pirogova (dir. prof. I. Ya. Deyneka)
    (PHAGOCYTOSIS,
        phagocytic reaction of leukocytes to Salmonella typhosa
        suspension with added vaccinia virus)
    (SALMONELLA TYPHOSA,
       Phagocytic reaction of leukocytes to Salmonella typhosa
       suspension with added vaccinia virus)
    (VACCINIA, virus,
       Phatocytic reaction of leukocytes to Salmonella typhosa
       suspension with a dded vaccinia virus)
    (VIRUSES,
       Vaccinia, phagocytic reaction of leukocytes to Salmonella
       typhosa suspension with added vaccinia virus)
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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-

CIA-RDP86-00513R00041222

ESSEL', A. YE.

"Directed alteration of the toxigenic property of the diptheria bacillus in growing it on mutritive pella while electricities of P. W. --9 culture.

Report submitted to the 13th All-Union Congress of Hygienists, Apidemiologists and Infectionists. 1959

- ESSEL', A.Ye., starshiy nauchnyy sotrudnik, kand.biol.nauk; NOVOKROSHCHENOV, B.V., starshiy nauchnyy sotrudnik, kand.med.nauk, otv.red.; BLIZEYEV, V.I., kand.med.nauk, red.; KOZLOV, V.A., dotsent, red.; RASKIN, M.M., starshiy nauchnyy sotrudnik, kand.med.nauk, red.
 - [Problems in the biology of the causative agent of diphtheria] Voprosy biologii vozbuditelia difterii. Chita, 1959. 189 p. (Chita. Institut epidemiologii, mikrobiologii i gigieny. Nauchnye zapiski, no.5). (MIRA 15:1)

(CORYNEBACTERIUM DIPHTHERIAE)

ESSEL', A.Ye.

Nature of respiration in Corynebacterium diphtheriae. Zhur. mikrobiol.epid. 1 immun. 30 no.5:80-84 My '59. (MIRA 12:9) 1. Iz Chitinskogo instituta epidemiologii, mikrobiologii 1 glgiyeny. (CORYNEBACTERIUM DIPHTHERIAE, metabolism, resp. (Rus))

ESSEL', A. Ye. Doc Biol Sci -- (diss) "Material on the biology of the causative agent of diphtheria." Moscow, 1960, 27 pp. (Acad Med Sci, USSR), 300 copies, (KL, 31-60, 141)

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ESSEL', A.Ye.

Fifth scientific session of the Khabarovsk Institute of Epidemiology and Microbiology. Zhur.mikrobiol., epid.i immun. 33 no.4;160-161 (MIRA 15:10) (EPIDEMIOLOGY--CONGRESSES) (MICROBIOLOGY--CONGRESSES)

ESSEL', Aleksandr Yefimovich; FRIDMAN, A.M., red.

[Indirect hemagglutination reaction] Reakteiin nepriamoi gemaggliutinateii. Leningrad, Meditsina, 1965. 50 p. (MIRA 18:5)

YERMAN, B. A.; ESSEL', A. Ye.; BRONITSKAYA, Ye. Yu.; SHUBINA, S. B.; MYASNIKOVA, A. T.

"Tsitofotometricheskoye opredeleniye soderzhaniya rnk v kletkakh mer-2, zarazhennykh rnk-soderzhashchim virusom."

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

Institut virusnykh infektsiy, Sverdlovsk.

KURNOSOVA, N.A.; BONDAHENKO, V.A.; RAKIMAN, E.Z.; YAVRUMOV, V.A.; KIRYUSHINA, L.A.; MANOLOVA, E.P.; ESSEL', A.Ye.; TARASOVA, M.A.; PIROGOVA, A.I.; PIROGOV, I.Ya.; AKOPYAN, R.A.; BABUNASHVILI, N.P.; PROTSENKO, O.A.; PUNSKAYA, I.G.; BURMISTROVA, O.G.; POGOREL'SKAYA, S.A.; D'YACHENKO, T.F.; TOPURIYA, I.I.; MATABELI, G.V.; GIGITASHVILI, M.S.; VACHNADZE, T.G.; MAZURIN, N.D.; NABIYEV, E.G.; BLOKHOV, V.P.

> Abstracts. Zhur. mikrobiol., epid. i immun. 41 no.4:1/2-147 Ap 164. (MIRA 18:4)

1. Moskovskiy institut epidemiologii i mikrobiologii (for Kurnosova). 2. Faleshtskaya rayonnaya bol'nitsa Moldavskoy SSR i Vinnitskiy meditsinskiy institut imeni Pirogova (for Bondarenko). 3. Stavropol'skiy institut vektsin i syvorotok (for Rakhman). 4. Kaluzhskiy oblastnoy otdel zdravookhraneniya (for Yavrumov, Kiryushina). 5. Donetskiy meditsinskiy institut (for Manolova). 6. Tbilisskaya rayonnaya imeni 26 komissaro sanitarno-epidemiologicheskaya stantsiya (for Akopyan, Babunashvili). 7. Kemerovskiy meditsinskiy institut (for Protsenko). 8. Turkmenskiy meditsinskiy institut (for Punskaya, Burmistrova). 9. Gor'kovskiy institut epidemiologii i mikrobiologii i Gor'kovskaya rayonnaya sanitarno-epiderinlogicheskaya stantsiya (for Pogorel'skaya, D'hachenko). 10. Institut meditsinskoy parazitologii i tropicheskoy meditsiny imeni Virsaladze Ministerstva zdravookhranenive Gruzinskoy SSR (for Topuriya, Matabeli, Gigitashvili, Vachnadze). 11. Kazanskiy institut usovershenstvovaniya vrachey (for Nabiyev).

FILIMONOV, L.N.; ESSEN, A.I.

Quantitative spectrechemical analysis of admixtures in binary brasses. Zav.lab.22 no.4:426-435 '56. (MLRA 9:7)

1.Institut "Gipretsvetmetebrabetka". (Brass--Spectra)

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	SOV/137-58-9-20309
Translation f	rom: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 313(USSR)
	Filimonov, L.N., Essen, A.I.
TITLE:	Quantitative Spectrochemical Determination of Impurities in Binary Brasses (Kolichestvennoye spektrokhimicheskoye opre- deleniye primesey v dvoynykh latunyakh)
PERIODICAL	: Tr. Gos. ni. i proyektn. in-ta po obrabotke tsvetn. met., 1957, Nr 16, pp 127-148
ABSTRACT:	Bibliographic entry. Ref. RZhMet, Nr 11, abstract 13147
	1. BrassImpurities 2. BrassSpectrographic analysis 3. Chemical impuritiesDetermination
Card 1/1	

ESSEN, A.I.

137-58-4-8569

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4. p 322 (USSR)

AUTHORS: Filimonov, L.N., Essen, A.I.

- TITLE: Spectrochemical Determination of Lithium in Copper (Spektrokhimicheskoye opredeleniyelitiya v medi)
- PERIODICAL: Tr. Gos. n.-i. i proyektn. in-ta po obrabotke tsvetn. met., 1957, Nr 16, pp 149-156
- ABSTRACT: The object of the work was an investigation of the possibility of identification (of Lithium? Transl. Ed.) by means of the 6707, 844, 3232.61, and 6103.642 lines under various regimes of globular arcs in the 0.0005-0.06% concentration interval. Eight Li-Cu alloys in all were prepared. The alloys were made by mixing titrated solutions of the necessary strength. evaporating them, annealing them at 600°C and pressing the briquets in a steel mold. The light source was a 1.5-5.8 amp dc arc fed from a stabilized source. The counterelectrode was a rod of pure Cu, 8 mm in diameter, brought to a truncated conical point, the radius of curvature of the apex being 1.5 mm. The arc length was held constant (3.5 mm) by means of a projection lens providing 25-fold enlargement on the screen. A Dietert

of the high stability of the weighing 0.5 g were drawn centrations of Li in Cu by	137-58 nation of Lithium in Copper rom/mm dispersion and a 60 micron apert l were plotted for the plate and cathode and plate melt, graduated graphs of plate bright . The possibility of identifying 0.0005-0.00 means of the 6103.64 line was established. desirable to dilute the pure Cu speciment e 3232.6 Li line and the melt at the anode. 2. Copper-lithium alloysSpectrographic	in view lets
Card 2/2		

AUTHORS:	Essen, A.I., Zakharova, Z.A. 32-11-18/60
TITLE:	The Determination of Admixtures in Titanium by Means of Spectral Analysis (Spektral'no-analiticheskoye opredeleniye primesey v titane)
PERIODICAL:	Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 11, pp.1313-1315 (USSR)
AB STRACT ;	This paper investigates the problem of determining 12 different metal admixtures in the concentrations of $0.01-0.2\%$ in technically pure titanium, from which various objects are manufactured (such as rods, tubes, blades, etc.). Though publications dealing with this subject were available [ref.1.2.3.4.5.6], an improved method for the spectro- analysis of titanium was recommended. A globule aro lamp was used as a light source. Such trouble as difficult meltability, low electric conductivity, and an inclination of spraying the titanium oxides in the arc lamp was dealt with by mixing the titanium oxides with other elements. In the present case titanium dioxide was mixed with copper dioxide and pressed into briquets (0.5 g). In the same manner as the corresponding standard gauged samples were prepared, and for copper, nickel, cobalt, iron, manganese, and magnesium the oxide powders were obtained by synthetical means, i.e. by dissolution of the pure elements in nitric acid and vaporisation, or, in the case of

CIA-RDP86-00513R00041222

32-11-18/60 The Determination of Admixtures in Titanium by Means of Spectral Analysis

> TiO₂, SiO₂, WO₃, Al₂O₃, Cr₂O₃, MoO₃, V₂O₅, Nb₂O₅ by mechanical mixing. The briquets produced were switched on as a cathode in the arc lamp on a graphite carrier. Exposure took place at the moment when the briquet was molten, the arc provided a uniform light on the basis of the drops of the molten sample. The spectrograph and a diffraction net supplied by the firm of Ditert were used. There are 1 figure, 1 table, and 13 references, 8 of which are Slavic.

ASSOCIATION: The "Giprotsvetmetobrabotka" Institute (Institute for Nonferrous Metals) (Institut "Giprotsvetmetobrabotka")

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Card 2/2

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VODYANAYA, T.A,; MAKULOV, N.A.; ESSEN, A.I.

Spectrum analysis of NIVO-3, NIKA, SKA-1, AMgK, No. 149, AMg6-1 alloys by metal specimens. Trudy Giprotsvetmetobrabotka no.24:355-358 '65. (MIRA 18:11)

"APPROVED FOR RELEASE: Thursday, July 27, 2000CIA-RDP86-00513R00041222 \mathcal{E} S S \mathcal{E} \mathcal{N} \mathcal{D} , \mathcal{N}

USSR/Inorg	ani	c Chemistry - Complex Compounds	С.
Abs Jour	:	Referat Zhur - Khimiya, No 2, 1957, 4099	
Author Inst Title		Gel'man, A.D., Essen, D.N. Academy of Sciences upon the preparation of Nitrodichloro-Monoammino Platoate of Potassium	
Orig Pub	:	Dokl. AN SSSR, 1956, 107, No 6, 835-836	
Abstract	:	To prepare crystalline K/ PtNH ₃ ClNO ₂ Cl7.H ₂ O (I) 1 mole of NaNO ₂ was added to a warm aqueous solution of K/-PtNH ₃ Cl ₃ / (II). By addition of $[Pt(NH_3)_{4}/Cl_2$ to the reaction mixture a yellowish-orange precipitate of $[Pt(NH_3)_{4}/[PtNH_3ClNO_2Cl/2]$ (III) was produced. Salt III was ground with water and there was added thereto a calculated amount of K ₂ /PtCl ₄ /. The Magnus salt that was formed was filtered off and the solution was evaporated at 50-60° on a water bath. The residue was ground repeatedly with alcohol. Dried over CaCl ₂ it	
Card 1/2		- 15 -	

c.

USSR/Inorganic Chemistry - Complex Compounds

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4099

had the composition I. The water is lost completely by I at 150°. On action of pyridine on an aqueous solution of I there is formed $cis - \begin{bmatrix} C_5H_5NNO_2NH_3ClPt \end{bmatrix}$,

which is identical to the product that was obtained by the action of C_5H_5N on a solution of II + KNO_2 .

Card 2/2

- 16 -

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CIA-RDP86-00513R00041222

ESSEN, L. N.

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Nov 48
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USSR/Chemistry - Platinum Chemistry - Isomers

"Obtaining (NH₃C₅H₅NClBrPt) in the Form of Three Expanded Isomers," A. D. Gel*man, Ye. F. Karandashova, L. H. Essen, Inst of Gen and Inorg Chem imeni N. S. Kurnakov, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 1

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

61/49717

CIA-RDP86-00513R00041222

Production of chlorobromopyridinoamminoplatinum in its three isomeric forms. A. D. Oct Wall, E. F. Karaudachoya, and L. N. Essen. Isvest. Schlora Platiny i Drueikh Bugored. Architecture faster and the intervention of the intervention Nauk S. S. K. No. 24, 60-71 (1949). --cis-[Pi(Nif.);Cl₁] (I) with C.H.N gives cis-[Pi(Nif.),PyiCl₂] (II). II with HCl gives iratrs-[PtNH;PyCl₃] (II). III + AgNO, + H,O - [PtPyErNH;Cl] (V) + KNO, + H;O or III + KBr - [PtPyBrNH;Cl] (V) + KNO, + H;O or III + irans-[PtPyBrNH;Cl] (V) + KNO, + H;O or III + irans-[PtPyBrNH;Cl] (V) + KNO, the condint C.H.N and 50 ml. H;O, cool, filter, add 30 ml. concd. HCl, and heat 2 hrs. under CO₃ gim. Cool, filter, and wash the ppt. until the filtrate is free of Cl. (Heat the filtrate with HCl and repeat the preceding operations. Combine the 3 ppts., recrystallize III from hot H;O, and dry over CaCl. By the first method discibe 0.6310 g. of III in 500 ml. of H;O. Add 0.2901 g. of AgNO₄ (in soln.), heat, keep in a dark place to settle out, and filter. To the filtrate add

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=/2 A.D. GELMAN E.F. KARLINDASHOVA -----filter, evap. the filtrate, and recrystallize at least twice ; mut, evap. the filtrate, and recrystallize at loast twice; from hot H₁O, to obtain $\begin{bmatrix} Py & P_1 \\ NH_2 & C_1 \end{bmatrix}$ (VIII). V, prismatic, lemon-yellow crystall, $\pi_Y = 1.776$, $\eta_2 = 1.776$, $n_a = 1.587$, soly, in H₄O at 20° (0.019 g./100 g. of solid, decom-poses approx. 224°, forms with thiourca $\begin{bmatrix} Ty & Thiop \\ Pt & Ohiop \\ 1.635, soly, in H₄O 0.184 g./160 g. of solid, <math>\eta_1 = 1.780$, $n_a = 1.635$, soly, in H₄O 0.184 g./160 g. of solid, $\eta_1 = 1.780$, $n_a = 1.635$, soly, in H₄O 0.184 g./160 g. of solid, $\eta_2 = 1.780$, $n_a = 1.635$, soly, in H₄O 0.184 g./160 g. of solid, $\eta_2 = 1.780$, $n_a = 1.635$, soly, in H₄O 0.184 g./160 g. of solid, $\eta_2 = 1.780$, $n_a = 1.780$, $\eta_3 = 1.770$, $\eta_4 = 1.770$, $\eta_4 = 1.770$, $\eta_5 = 1.770$, $\eta_5 = 1.770$, $\eta_6 = 1.762$, $\pi_6 = 1.760$, forms fine cryst., $\pi_2 = 1.770$, $\eta_6 = 1.762$, $\pi_6 = 1.635$, soly, $\eta_1 = 0.145$ g./100 g. of solid, decomposes appress $\eta_1 = 0.145$ g./160 g. H₂O 0.145 g./100 g. of solid, decomposes appress $\eta_1 = 1.75^\circ$, forms Thiop Thiop Thiop Thiop = 1.770, $\eta_6 = 1.762$, $\pi_6 = 1.635$, soly, $\eta_1 = 0.145$ g./160 g. H₂O 0.145 g./160 g./160

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222 CA ESSEN, L.N. "temper compounds of seaturate platnem with sit dimension substants in N.S. Kurakuv Inst. Gen. Inst. Gen. Acc. & With S.S. Mooon, J. Delay, Ata. No. $M_{\rm eff}$, $M_{\rm eff}$

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Complex compounds of platinum with allylamine. A. D. by finan and L. N. Exem (N. S. Kurnakov Inst. Gen. and inorg. Chem., Acad. Sci. U.S.S.R. Moscow). Doblady Adad. Nask S. N. R. 77, 273-6(1931).—Reaction of a neu-ration of K.PICL, with CH.; CHCH, NH, (I) gives the salt [FPCL],1 (II) dark-yellow, stable on heating with HO, solver the state of the state of the state of the state rolow. That soln. in NH,0H with a reddish brown rolow. That soln. in NH,0H with a reddish brown rolow. That soln. in NH,0H with a reddish brown rolow. That soln. in NH,0H with a reddish brown rolow. That soln. in NH,0H with a reddish brown rolow. That soln in NH,0H with a reddish brown rolow. Additional in the double bond of I takes no part in the complex formation; I is bound to the Pt only by the bond takes place on heating in an acid medium or on pro-bond takes place on heating in an acid medium of a strongly which on exoling pits. golden-velow crystale of a strongly placed the structure (CLHCCCH-CH-NH, HCI).

CI II.C: CH.-CH, SH, HCI CI ILC: CH CHANGHEI

is assigned by analogy with C₁H₄ and PhCH: CH₄ completerating with H₄O produces a Pt mirror; this indicates bonding through the double bond. Prolonged beating of III with 10% HCl gives the Zeise-type acid HICl₂PtL-HCl₄ (IV), which on careful neutralization with 5% NoOH forms a canary-vellow ppt. of [Cl₄Pt] (V), obviously a cyclic complet, $\begin{bmatrix} Cl & CH_1; CH_1 \\ Pt & t \\ Cl & NH_2CH_2 \end{bmatrix}$, giving metallic Pt on boiling with H₄O. This structure is confirmed by the synthesis NH₄[Cl₄PtL-HL] + C₄H₄ (evolved), followed by NH₄[Cl₄PtI-HCl] + NaOH -- V N. Thon

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APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041222(

"Compounds of Petravalatt Flatinum with (b) L.n. -- Costaining Complex Compounds of Stravalit Flatham with fix Different Substitutions in the Internal Sphere." Lead Sci UCSR. not of General and Energanic Cosmistry March 1.5. Karnskov. Inst of Physical Chamistry. Moreow, 1965 (Dessertation for the Degree of Candidate in Chamic L Sciences.)

CO: Knighnaya Lotopis, ' Lo 9, 1956

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