D205/D903

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Conditions for manufacturing pressed ...

17.15-42.0

tent of alloying elements may vary in Di6 as follows: Cu = 3.8 to 4.9 %, Mg = 1.2 - 1.8 %, Mn = 0.3 - 0.9 %. The influence of charging composition was investigated by testing samples of the lower (I), average (II) and higher (III) additions of the alloying elements (1 average (II) and higher (III) additions of the alloying elements (1 average (II) and higher (III) additions of the alloying elements (1 average (II) and higher (III) additions of the alloying elements (1 average (II) and higher (III) additions of the alloying velocity produced In respectively). Three types of profiles were industrially produced from the alloys: one with walls 2 mm thick, the second with walls 15, and 4.5 mm thick and the third, a large profile of 30 - 40 mm walls. They were produced by homogenizing the ingots at 400°C and deforming to the extent of 1.5 - 2%. All profiles were tooted for tensile strength at room and elevated temperatures. Conclusions: The preceded articles of D16 have a high strength at room temperature provided articles of D16 have a high strength at room temperature provided in the 20 - 300°C range was obtained at 4.2 - 4.9 % Cu, 1.5 - 1.7 % Mg and C.6 - 0.9 % In. This increase in strength was accompanied by a decrease in the plasticity. Profiles of the 4.16 mm (D167F) brand are recommended for use at elevated temperatures, these profiles con-

Card 2/3

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### CIA-RDP86-00513R001859010004-3

Conditions for manufacturing pressed ...

8/639/61/000/000/019/055 D205/D303

taining the alloying elements in the above specified limits. The nochanical properties of artificially aged articles of D15 are chosed independent of the pressing condition. The nicrostructures of recystallized and non-recrystallized, naturally aged, pressed profiles differ considerably in grain size. After artificial ageing the structure becomes uniform with a very fine grain. There are 5 figures, 3 tables and 2 Soviet-bloc references.

Card 3/3

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- 1994 - 1995

| CCESSION NR: AT4037666  | S/2981/64/000/003/0251  | 1/0262  |              |
|---|---|---|--------------|
| ITHOR: Kozlovskaya, V. P., Vasil'   | yeva, N. I.; Nepomnyashchaya,   | , E. Z.   |              |
| TLE: Methods for eliminating the co<br>uminum alloys  | parse-grained rim on pressed p  | arts made of  |              |
| DURCE: Alyuminiyevy*ye splavy*, n<br>Malleable alloys), 251-262   | o. 3, 1964. Deformiruyemy*ye  | e splavy*   |              |
| OPIC TAGS: aluminum, aluminum a<br>anganese admixture, aluminum recr<br>dmixture, zirconium admixture, titar<br>trength, aluminum alloy resistivity   | nium admixture, iron admixture  | e, aluminum alloy   | / <b>/</b> / |
| BSTRACT: Recrystallization occurr<br>hay result in a coarse-grained struct<br>ariation in the mechanical properties<br>hown that the formation of a coarse-<br>niform deformation during pressing a<br>nore, the depth of the coarse-grained<br>in the alloy. The present authors hav | across the section. Previous<br>grained rim can be combatted b<br>and by slowing down the recryst | experiments have,<br>y the creation of<br>tallization. Further- |              |
| a. 1/6  |   |   |              |

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CIA-RDP86-00513R001859010004-3

ACCESSION NR: AT4037666 alloying elements and admixtures tending to increase the recrystallization temperature of aluminum on the degree of formation of a coarse-grained rim in pressed aluminum alloys. Tests were performed on specimens of the Al-Cu-Mg-Mn type alloys D16, D19, D1 and VD17 and alloys AK8, AK6, and AD33. In addition to the formation of a coarse-grained rim the electrical resistivity and mechanical properties were investigated (see Figures 1 to 3 of the Enclosure). Finally, the effect of Zr, Fe, and Ti on the formation of a coarsegrained rim was studied in alloys D1, D16, and V95. On the basis of the results obtained, the authors conclude that the following factors slow down recrystallization and grain growth in the peripheral zone of pressed aluminum alloys: introduction of Mn, Zr or Cr as alloying elements; use of non-homogenized ingots for pressing; increasing the ingot and container temperatures during pressing; decreasing the quenching temperature and reducing the soaking time. Pressed products can be obtained from alloys D16, D1, AK8 and AK6 with a shallow-coarse-grained rim or no rim at all by pressing by the straight method without lubrication of the container; for this purpose, the minimal content of manganese is 0.6%, non-homogenized ingots should be used, the container temperature is 400-450C, and the ingot temperature is 420-450C. If the minimal content of manganese is set at 0.8%, however, then homogenized ingots can be used and pressing can be conducted at a lower ingot temperature (340-380C), resulting in shorter pressing cycles and, consequently, in higher productivity. With alloy AD 33, pressed parts without a coarse-grained rim ard- . 2/6 \_\_\_\_

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|   | · · · · · ·   | • • •   |   |
|---|---|---|---|
| ACCESSION NR: AT4037666<br>or with only a shallow rim can hemperature of 400-450C. In balltimate strength is higher, and<br>act that measured leading to a<br>content and the pressing temper<br>'L. I. Leonova, I. I. Molostova<br>Drig. art. has: 6 figures and 1 | I the relative elongation is lo<br>reduction of the coarse-grai<br>rature) lead to preservation<br>a and M. K.Rubleva took pa | ower. This is caused by the<br>ned rim (increasing the Mn | X |
| ASSOCIATION: None   | •   |   |   |
| SUBMITTED: 00   | DATE ACC: 04Jun64   | • ENCL: 03  |   |
| SUB CODE: MM  | NO REF SOV: 006   | OTHER: 000  |   |
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| · .   | •   |   |   |

12-12- ----YEGOROVA, N.P.; VASIL'YEVA, N.I.; USTYUZHANINA, N.S. Bitumen content and distribution in Devonian terrigenous sediments of western Bashkiria. Geol. nefti i gaza 5 no.11:44-46 H '61. (MIRA 14:11) 1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut. (Bashkiria--Bitumen--Geology) 

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# CIA-RDP86-00513R001859010004-3







KOZLOVSKAYA, V.P.; VASIL'YEVA, N.I.; NEPOMNYASHCHAYA, E.Z.; Pri. mali uchastiye: LEONOVA, L.I.; MOLOSTOVA, I.I.; RUBLEVA, M.K.

Methods of eliminating the macrocrystalline rim in extruded products made of aluminum alloys. Alium. splavy no.3:251-262 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 08/31/2001

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| $\frac{1}{10090-66} = \frac{1}{10000000000000000000000000000000000$  | •   |
| ACC NR: AT6016431 (A) SOURCE COLL. ENJOY I, A. Ye.<br>AUTHORS: Drits, M. Ye.; Gur'yev, I. I.; Vasil'yeva, N. I.; Ansyushina, A. Ye.  |     |
| ORG: none<br>TITLE: Use of the method of thermomechanical processing for strengthening of  |     |
| semifinished products of alloy intra-  |     |
| raphy of light alloys). Moscow, ind metal, mechanical property, mechanical feat that the metal, function of the transmission of transmission o |     |
| HA11 magnesium alloy<br>ABSTRACT: The effect of thermomechanical processing on the mechanical properties of<br>alloy MA11 was studied in production conditions for both rolled and forged memifinish<br>alloy MA11 was studied in production conditions for both rolled and forged memifinish<br>products. The chemical content of the material investigated was: 2.48% Nd, 1.77% in,<br>products. The chemical content of the material investigated was: 2.48% Nd, 1.77% in,<br>0.130.17% Ni, 0.05% Mn, less than 0.03% Cu, 0.007% Fe, less than 0.07% Si, and the<br>balance magnesium. Muchanical properties were studied at both moon temperature and<br>balance magnesium. Muchanical properties were studied at both moon temperature and<br>balance in the limit of prolonged strength and croep was determined for<br>higher temperatures. The limit of prolonged strength and croep was determined for<br>bit of strength properties both at room and at higher tempera-<br>obtaining of higher values of strength properties both at room and at higher tempera-<br>obtaining of higher values of was the increase in the flow limit. Some lowering of<br>plasticity was noted; however, the plasticity remained at a sufficiently high level.   |     |
| Card 1/2   |     |
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| ALC NR:   | AT6016431  |   | ر<br>ب  |
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| ity is 1<br>thermome<br>lattice<br>was also<br>corrosio | 9-15% (and varies<br>phanical propert<br>and with variati<br>found that the<br>n resistance of | es with processing temperatu<br>ies is associated with dist<br>on in the dissociation of s<br>thermomechanical processing | th strength and acceptable plastic-<br>re. The increase in values of<br>cortions in the material crystal<br>supersaturated hard mixture. It<br>thas a beneficial effect on the<br>Markova, and A. A. Shesterikova<br>as and 9 tables. |
|   |  | A DATE: 16Sep65/ ORIG REF:  |   |
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TIKHOMIROV, V.I.; VASIL'YEVA, N.I.

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14/20 .

lron oxidation rate during its heating of short duration in carbon dioxide. Vest. LGU 20 no.16:113-118 '65. (MIRA 18:9)

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| ACC NRI AT  | 024913  | (A, N)   | SOURCE CODE   | <b>:</b> UR/2981/66/0  | 00/004/0049/0056   |
|---|---|--|---|--|--|
| AUTHOR : Roma   | nova, O. A.;  | Archakova, Z.  | N.; Vasil'yeva,   | <u>N. I.</u>   | 32 ·<br>B+1  |
| DRG: none   |   |  |   | the international and pro-   | B+I  |
| TITLE: Study  | of pressed s  | ections and pa   | nels of D20 all   | у  |  |
| OURCE: Alyn<br>(Heat resist:  | miniyevyye sp<br>ant and high-s   | lavy, no. 4, 1<br>trength alloys   | 966. Zharoproci<br>3), 49-56  | nyye i vysoko  | prochnyye splavy   |
| COPIC TAGS:<br>D20 aluminu  |   | g, aluminum al   | loy, coppor all   | oy, manganese c  | containing alloy   |
| temperature,<br>ture and meck<br>tem) 2 and 5<br>ties, the heat<br>535° ± 5° C any tendency<br>43.4), pressi-<br>tial ingot de<br>cal propertie | homogenizatio<br>manical proper<br>mm thick was<br>at treatment o<br>and artificial<br>in the alloy<br>ing temperatur<br>o not apprecia<br>es of sections | n of initial i<br>ties of presse<br>studied. In c<br>f the sections<br>aging at 160-<br>to corrode und<br>res (320, 370,<br>bly affect the<br>with wall this | d sections of D<br>order to obtain<br>should consist<br>170°C for 16 hr<br>ler stress. Dif.<br>420, and 480°C)<br>structure of th | tment condition<br>20 alloy (of th<br>the optimum med<br>of quenching a<br>. This schedul<br>ferent elongath<br>, and homogenia<br>he initial ingo | as) on the struc-<br>the Al-Cu-Mn sys-<br>chanical proper-<br>after heating at<br>the does not cause<br>ons (from 14 to<br>cation of the ini-<br>the tor the mechani-<br>ching of the sec- |
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### CIA-RDP86-00513R001859010004-3



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| timum process for preparing sections of AD<br>ucts with high and stable m <u>echanical proper</u><br>tractive decorative appearance. Orig. art. |
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|                         | and Animals Physiology - Blood.  | т-4                                |
|-------------------------|--|------------------------------------|
| Abs Jour                | : Ref Zhur - Biol., No 7, 1958, 315  |                                    |
| Author<br>Inst<br>Title | : Vasil'yeva, N.I.<br>: Marrow Blood-Production in Patien<br>Its Change Under the Influence of | ts with Brucellosis and Treatment. |
| Orig Pub                | : Tr. Chkalovskogo med. in-ta, 1956  | , vyp. 5, 153-157.                 |
| Abstract                | : No abstract.   |                                    |
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| Card 1/1                |  |                                    |
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VASIL'YEVA, N.I.

Thrombocytopoiesis in brucellosis associated with a hemorrhagic syndrome. Terap. arkh. 30 no.12:57-59 D '58. (MIRA 12:1) 1. Iz kafedry fakul'tetskoy terapii (Zav. - prof. V.A. Simagina) Orenburgskogo meditsinakogo instituta. (BRUCELLOS DS, compl. hemorrh. diathesis, thrombocytopoiesis (Rus))

(HEMORRHAGIC DIATHESIS, compl. brucellosis, thrombocytopoiesis (Rus))

APPROVED FOR RELEASE: 08/31/2001

VASIL'YEVA, N.I.

Hemopoiesis in patients with brucellosis treated with antibiotics and vaccines. Terap.arkh. 32 no.ll:57-64 N '60. (MIRA 14:1) 1. Iz kafedry fakul<sup>®</sup>tetskoy terapii (zav. - prof. V.A. Simagina) Orenburskogo meditsinskogo instituta. (HEMATOPOIETIC SYSTEM) (BRUCELLOSIS) (ANTIBIOTICS)

APPROVED FOR RELEASE: 08/31/2001

VASIL'YEVA, N. I., CAND MED SCI, "BLOOD FORMATION IN BRUCELLOSIS PATIENTS UNDER CONDITIONS OF TREATMENT WITH ANTIBIOTICS VACCINE." ORENBURG, 1961. (CHAIR OF THE FA-CULTY OF THERAPY OF URENBURG STATE MED INST). (KL, 3-61, 230).

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| L 39474-65 EWT(d) IJF(e)<br>ACCESSION NR: ADS Sugar  | 11, 11, 10, 000, 011, BILLY DILU      |
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| SOURCE: Ref. zh. Matematika dy e stronge             |                                       |
| AUTTINE - THILLY BUA N K                             |                                       |
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| CITED SOURCE: Uch. zap. Irkutskiy gos. pe<br>203-208 | ed. in-t, vyp. 20, 1964,              |
| TOPIC TAGS: algebraic equations in the               | method equally a second               |
| TRANSIES STORES                                      |                                       |
| • .  |                                       |
| $t^n + b_1 t^{n-1} + c_2 t^{n-2}$                    |                                       |
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| 944-1445)<br>CUERGINN NES (APR 10441)         |   |                                |  |
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| atibility, one joes control with two unknowns | in the form   | stom to a ayetem of realised   |  |
| C).011B 012010 -                              |   |                                |  |
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|   | €_(ж. у) з  | e 9.<br>Nation of the plate in |  |
|   | $\frac{e^{-\frac{1}{2}}(x, -\frac{y^{2}}{2})}{\frac{e^{-\frac{1}{2}}(x, -\frac{y^{2}}{2})}{2}}$ | e 9.<br>Nation of the plate in |  |

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| WTHOR: Gall', L. N.; Yasil'yaya, N.K.   | UR/0057/65/035/008/1483/1492  |
|---|---|
| WTHOR: Gall', L. N.; Vasil'yeva, N.K.<br>ITLE: Application of a decelerating po<br>OURCE: Zhurnal tekhnicheskoy fiziki, v.  | otential system in mass spectrometry  |
|   | optics, optic resolution, ion beam, ion   |
| ors use the maximum value of the ration<br>ejecting a significant fraction of the d<br>cam ion and V is the height of the energy<br>areful electron optical design is require | ecclorating electrodes in front of the<br>incipal purpose of such a system is to<br>ited ions of lower than normal energy,<br>s, by dissociation of molecular ions into<br>re of merit for such a system, the au-<br>U/(U - V) that can be employed without |

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| ACCESSION NR: AP5020739  | • ••• ••• •••   | ····   | . , |
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| achieving high figure of merit are<br>with an "automatic trajectograph" end<br>sign was extensively tested in an a<br>of 275 was achieved, iso., when V w<br>the desired ions were rejected. The<br>betastable ions in hydrocarbon analy<br>of the ions that have lost energy in<br>the use of decelerating systems can<br>wity, and accuracy of static magnet<br>heir deep gratitude to <u>R.N.Gall's fo</u><br>valuable advice." Orig. art. has: 1<br>SSOCIATION: none | as so chosen that U/(U<br>is is more than adequat<br>ysis and is adequate to<br>n small angle scatterin<br>considerably improve the<br>ic mass spectrometers. | c tank and the best de-<br>A 1% figure of merit<br>- V) # 270, only 1% of<br>e completely to reject<br>reject a large fraction<br>g. It is concluded that<br>he resolution, sensiti-<br>"The authors express |     |
| UBM ITTED: 03Nov64   | ENCL: 00  | SUB CODE: NP   |     |
| r ref sov : 002  | OTHER: 004  |  |     |
| PC   |   |  |     |
|  | OTHER: 004  |  |     |

BLOKH, R.L., kand.med.nauk; VASIL'YEVA, N.K.; SAAKYAN, A.G.

Effect of radon waters of verying concentrations on some indices of neurohumoral regulation in chronic gastritis. Uch.zap.Pyat.gos. nauch.-issl.bal'n.inst. 3:48-58 '60. (MIRA 15:10) (RADON-THERAPEUTIC USE) (STOMACH--INFLAMMATION) (NEUROCHEMISTRY)

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| VASIL YEVA,                                 | N·L  |
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|   |  |
| Name:                                       | VAUTL YEVA, N. L.  |
| Dissèrtation:                               | On the problem of determining small quantities of tantalum                             |
| Degree:                                     | Cand Chem Sci  |
| Affiliation:                                | Cand Chem Sci<br>Min Higher Education USSR, Ural Polytechnic Inst imeni<br>S. M. Kirov |
| Defense Date, Place:                        | 1956, Sverdlovsk   |
| Source:                                     | Knizhnaya Letopis <sup>1</sup> , No 45, 1956   |
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| Vasily             | eve, A.C   |
|--------------------|--|
| USSR/ Anal<br>Subs | ytical Chemistry. Analysis of Inorganic G-2<br>tances.                         |
| Abs Jour:          | Referat. ZhurKhimiya, No. 8, 1957, 27233 D.                                    |
|                    | N.L. Vasil'yeva.   |
|                    | Ural Polytechnical Institute.  |
| Title :            | To The Question of Determination of Small<br>Amounts of Tantalum.              |
| Orig Pub:          | Avtoref. diss. kand. khim. n., Ural'skiy<br>politekhn. in-t, Sverdlovsk, 1956. |
| Abstract:          | no abstract.   |
|                    |  |
|                    |  |
| Abstract:          |  |

Card 1/1

A2423

VASIL'YEVA, N.L.

補料 

> Use of organic reagents in analytical chemistry; determining tantalum with rhodamine B in ethyl acetate solutions. Izv. Sib. otd. AN SSSR no.4:56-61 '58. (MIRA 11:9)

1.Ural'skiy filial AN SSSR. (Tantalum) (Rhodamine B) (Colorimetry)

APPROVED FOR RELEASE: 08/31/2001

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859010004-3 anan kanan kana

| 5(2),5(3)<br>AUTHORS: | Kazarinova, N. F., Vasil'yeva, N. L. SOV/75-13-6-12/21  |
|-----------------------|---|
| TITLE:                | Photometric Determination of Germanium With 9-[p-(N-Dimetny]<br>Amino)] - Phenyl-2,3,7-Trihydroxy-6-Fluorone<br>(Fotometricheskoye opredeleniye germaniya s 9-[p-(N-Dimetilamino]<br>-fenil-2,3,7-trioksi-6-fluoronom)  |
| PERIODICAL:           | Zhurnal analiticheskoy khimii, 1958, Vol 13, Nr 6, pp 677-681<br>(USSR)   |
| ABSTRACT:             | Among the known organic reagents on germanium, good experience<br>has been made with 9-phenyl-2,3,7-trihydroxy-6-fluorone (Ref 1).<br>By adding traces of germanium to the solution of this reagent<br>in dilute hydrochloric acid, the color of the solution changes<br>from yellow to orange and a raspberry-red precipitation takes<br>place. The formation of this procipitate is an obstacle for the<br>photometric determination of germanium and must be prevented by<br>stabilizers (Refs 2, 3). It is therefor more advisable to<br>alter the properties of the reagent by introducing other<br>substituents, maintaining the sensitivity and specificity of<br>phenyl flucrone and yielding soluble compounds with germanium. |
| Card $1/4$            | For this purpose, the authors synthesized   |

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Photometric Determination of Germanium With SOV/75-13-6-12/21 9-[p-(N-Dimethyl Amino)] - Phenyl-2,5,7-Trihydroxy-6-Fluorone

HARVALISSET TURBERT DER KRITTERT KRITTERT FRAGT IN ER BERKEN IN DER BERKEN HER BERKENSTER BERKENSTER BERKENSTER

9-[p-(N-dimethyl amino)] - phenyl-2,3,7-trihydroxy-6-fluorone by condensation of p-N-dimethyl amino benzaldehyde with hydroquinone triacetate in the presence of concentrated sulfuric acid. This synthesis is accurately described in the work (in a yield of 52%). The resulting reagent is a red fine crystalline powder playing to green and having a melting point of >300°. It is unsoluble in water as well as in the majority of organic solvents. It easily dissolves in lyes, in mineral acids when heated or in the presence of alcohol. A method was worked out for the photometric determination of germanium with this new reagent (briefly called DAFF). DAFF forms salts with acids and is stable in dilute acids. In concentrated hydrochloric acid a yellow precipitation separates, caused by the formation of a weakly soluble oxonium salt. The stability of the acid solutions increases with temperature in consequence of the increasing solubility of the oxonium salt. In the presence of germanium the color of the hydrochloric solution of DAFF changes from yellow to orange, in which connection a maximum of color intensity occurs only by adding a great excess of reagent. The solutions of the germanium compounds with DAFF

Card 2/4

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Photometric Determination of Germanium With SOV/75-13-6-12/21 9-[p-(N-Dimethyl Amino)] - Phenyl-2,3,7-Trihydroxy-6-Fluorone

> are stable in dilute hydrochloric acid (1 n) up to a content of 1.2 GeO2 per ml. They represent highly disperse colloids and follow the Lambert - Beer's law up to quantities of 1 gGeO2 per ml. An increase in acid concentratior causes a decrease in optical density of the solutions. With decreasing temperature the optical density of the solutions increases considerably; these changes caused by temperature fluctuation are, however, wholly reversible. At constant temperature, coloring remains stable for a few hours, the maximum intensity being reached after 0.5 - 1.5 hours. The measurement of the optical densities was carried out by PEK-M photocolcrimeter with green light filter. The sensitivity of determination amounts to 0.05 g GeO2 in 1 ml of the experimental solution. As and Bi cause no disturbance. Sb (III), Sn (IV), and Mo (VI) react with DAFF in much the same way as germanium; the sensitivity of the reagent to these elements is, however, considerably lower than to germanium. Detailed working instructions for the determination are mentioned in the paper.

Card 3/4

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VASIL'YEVA, N.L.; YERMAKOVA, M.I.; POSTOVSKIY, I.Ya.

Determination of gallium with N,N-di(2-hydroxy-5-sulfophenyl) C-cyanoformazan. Zhur. VKHO 5 no.1:110 '60. (MIRA 14:4)

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YERMAKOVA, M.I.; VASIL'YEVA, N.L.; POSTOVSKIY, I.Ya.

N,N'-bis(2-hydroxy-5-sulfophenyl)-C-cyanoformazan as a reagent for the photometric determination of gallium. Zhur. anal. khim. 16 no. 1:8-13 Ja-F '61. (MIRA 14:2)

1. Institut of Chemistry, Academy of Sciences of the U.S.S.R., Ural Branch, Sverdlovsk. (Gallium-Analysis) (Formazan)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859010004-3"

marth Street

VASIL'YEVA, N.L., YERMAKOVA, M.I.; Prinamala uchastiye PODKINA, Z.M.

Use of formazans in analytical chemistry. Report 2: Determination of gallium with N,N'-di-{2-hydroxyphenyl-C-cyanoformazan}. Zhur. anal. khim. 18 no.1:43-51 Ja '63. (MIRA 16:4)

1. Institute of Chemistry, Ural Branch Academy of Sciences, U.S.S.R., Sverdlovsk. (Gallium-Analysis) (Formazan)

APPROVED FOR RELEASE: 08/31/2001

AID Nr. 995-7 21 June

A FORMAZAN AS A NEW REAGENT FOR THE DETERMINATION OF Zr (USSR)

CHARTER CARLES CHARTER

 Vasil'yeva, N. L., and M. I. Yermakova.
 Zhurnal analiticheskoy khimii,

 v. 18, no, 4, Apr 1963, 545-547,
 S/075/63/018/004/014/015

A method is proposed which uses. N, N-bis (2-hydroxy-5-sulfophenyl)-C-cyanoformazan as the chelating agent in the photometric determination of zirconium. The highest sensitivity,  $0,1 \ \mu g \ Zr/ml$ , is in  $0.1 \ M$  HCl. The optical density (at 682 mµ) can best be measured for solutions prepared at room temperature. The Zr content is determined from calibration curves plotted for mixtures with a known Zr content. The photoelectrocolorimeter used is the  $\Phi \partial K$ -M. The presence of F-, PO<sub>4</sub> <sup>3</sup> -, tartrates, oxalates, citrates, and other complexing anions, as well as of Hf, Nb, Sn, and Ti (> 75  $\mu g/25 \ ml$ ), interferes with the determination of Zr. The NO<sup>5</sup> and Fe<sup>3</sup> + ions should be removed to prevent oxidation of the formazan. The wcrk was done at the Institute of Chemistry of the Ural Branch of the Academy of Sciences USSR at Sverdlovsk. [EDW]

Card 1/1

APPROVED FOR RELEASE: 08/31/2001



### CIA-RDP86-00513R001859010004-3

S/075/63/018/001/003/010 E071/E452

AUTHORS: Vasil'yeva, N.L., Yermakova, M.I.

TITLE:

Sector.

Use of formazans in analytical chemistry Communication 2. The determination of gallium with N,N'-di(2-hydroxyphenyl)-C-cyanformazan

PERIODICAL: Zhurnal analiticheskoy khimii, v.18, no.1, 1963, 43-51

TEXT: A compound N,N'-di(2-hydroxyphenyl)-C-cyanformazan was synthesized and its interaction with gallium studied. on conditions, the formazan forms two blue compounds with Depending absorption maxima at 634 and 630 mµ. The compounds have the nature of internal complexes - nonelectrolytes. existence of one complex is pH 2-5 and that of the other is The range of pH above 5. On the basis of optical properties of solutions, chemical composition, X-ray and dehydration properties of crystalline precipitates as well as equilibria studies in solutions, the probable atructure of the compounds is proposed. Depending on the pH of the medium gallium coordinates either with the ionic (pH > 5) or undissociated form of formazan (pH  $\leq$  5) on changes of pH the compounds undergo a reversible transformation. Card 1/2

APPROVED FOR RELEASE: 08/31/2001

Use of formazans ...

S/075/63/018/001/003/010 E071/E452

The molar ratio of gallium to formazan is 1:1. N,N'-di(2-hydroxyphenyl)-C-cyanformazan is recommended for the photometric determination of gallium in the presence of aluminium, zinc, lead, cadmium, manganese and small quantities of indium, germanium, copper and nickel. The two last elements are separated from gallium by extraction with bonzene. The sensitivity of the reaction is  $0.04 \ \mu g/ml$  of gallium. Z.M.Podkina participated in the work. There are 6 figures and 1 table.

ASSOCIATION: Institut khimii Ural'skogo filiala AN SSSR, Sverdlovsk (Institute of Chemistry, Ural Branch AS USSR, Sverdlovsk)

SUBMITTED: April 7, 1962

Card 2/2

APPROVED FOR RELEASE: 08/31/2001

18/23(引起。14 75/64/19/11/1305/1302 2200 ACCESSION NR. AP4049094 • ··· · AUTROR: Vasil'yeva, N.L., Yermakova, M.A. TITLE: The use of formazans in analytical chemistry SOURCE: Zhurnal analiticheskoy khimil, v. 19, no. 11, 1964, 1305-1308 TOPIC TAGS: formazan, cyanoformazan, lanthanide series, yttrium determination. lanthanum determination, optical density, spectrophot metry ABSTRACT: A method for the photometric determination of yttrium is lanthanum oxide is presented which will detect 5-10% Y in Las without prior separation. The formazar reagent will form colored compounds in a weakly alkaline solution with Ce (III). Y, Nd, Pr and other elements of the lanthanide series at various pH values between about 6.40 and 7,80. The change in optical density of these compounds with the pH of the solutions is and start a long at an attorn of the second an in bhar sa bha and the at 2 second second المراجع والمراجع والمتحية المعتمية المتنا المستاد Strawi. under these experimental conditions. Similar tests were conducted with mixtures of the above-mentioned elements. The method may a so be used to determine the sum of elements Card 1/2

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15640

# s/126/63/015/001/028/029 E073/E151

AUTHORS:

Aleksandrov, B.N., and Vasil'yeva, N.M. Determination of the purity of aluminium from its TITLE: residual resistance

FERIODICAL: Fizika metallov i metallovedeniye, v.15, no.1, 1963. 156-158

It has been shown that the residual resistance  $\delta_0$ oſ a metal varies with the concentration of added elements according to the equations  $c = A \delta_0$  (where c = amount of the addition and A = constant) for cubic or tetragonal metals, and  $c = A \delta_0^2$  for hexagonal metals. (The residual resistance bo is the ratic of the resistance of the metal at 0 "K to the resistance at 293 "K). To determine whether Al obeyed the linear equation, resistance measurements were made of polycrystalline aluminium of varying purity at 4.2 °K and 293 °K, it being already known that the resistance at 4.2 °F was identical with that at 0 °K. The resistance measurements at 4.2 °K, made on carefully annealed strip 2 mm thick, were accurate to  $\pm 2\%$ . (The heat-treatment and experimental techniques at 4.2 K are not described, having been Card 1/2

APPROVED FOR RELEASE: 08/31/2001

#### CIA-RDP86-00513R001859010004-3

Determination of the purity of ...

S/126/63/015/001/028/029 " E073/E151

described in an earlier paper). The Si content of the samples was determined chemically, Fe and Cu were determined both chemically and spectroscopically, and Ti, Mg, Mn and Ni were determined spectroscopically. A linear relationship between impurities and residual resistance was found,  $c = 6.2 \delta_0$ , the value 6.2 differing by 50% from earlier results. For pure Al,  $\delta_0 = 3.4 \times 10^{-5}$ . The ratios of the resistances at 14 and 20.4 K to the resistance at 293 °K (i.e.  $\delta_{14}$  and  $\delta_{20.4}$ ) was also found to follow a linear law with impurity concentration. It was found possible to estimate the purity of Al from plotted curves of  $\delta_0$  . 614 or 520.4' provided that the relative proportions of the individual impurity elements did not change greatly; since some impurities had a much bigger effect than others, changes in the proportions could alter the value of A. In spite of this, impurities can be estimated to within one order of magnitude. Measurements of  $b_0$  on very pure Al should be made with thick well-annealed single crystals to avoid excessively high values being obtained. There are 1 figure and 1 table. Card 2/2 SUBMITTED: March 15, 1962

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APPROVED FOR RELEASE: 08/31/2001

| į., |   | S/075/63/018/002/008/009<br>E195/E436  |
|-----|---|--|
|     | AUTHORS:  | Vasil'yeva, N.M., Litvinova, N.F., Turovtseva, Z.M.  |
|     | TITLE :   | Determination of oxygen in indium, gallium and their   |
|     | PERIODICAL:   | Zhurnal analiticheskoy khimii, v.18 no.2, 1963,<br>250-254   |
|     | their alloy<br>obtained wi<br>carried out<br>(Z.M.Turovt<br>A known qua<br>the presence<br>prepared wi<br>Samples pla | we method of determining oxygen in indium, gallium and<br>s has been developed because of unsatisfactory results<br>th the previous one. All the investigations were<br>in the same apparatus as in the vacuum melting method<br>seva et al. Zh. analit. khimii, v.12, 1957, 208).<br>ntity of oxides was reduced and the oxygen evolved in<br>the of metallic indium and gallium determined. Standards<br>thout using metallic bases gave satisfactory results.<br>it was reduced in a quartz test tube were heated by high frequency<br>350°C in an oxygen atmosphere under 0.1 - 0.15 mm Hg.<br>ty of 0 <sub>2</sub> absorbed by the sample was calculated by the<br>$0\% = \frac{(P_1 - P_2)M \cdot V \cdot 100}{mRT}$ |
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| 1   |   |  |

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Determination of oxygen ...S/075/63/018/002/008/009<br/>E195/E436where P1 - pressure of O2 before absorption, P2 - pressure at the<br/>end of the absorption, M - molecular weight of O2, V - volume<br/>occupied by oxygen, 0, m - sample weight, g, R - gas constant<br/>and T - absolute temperature. The sensitivity of the method was<br/>found to be 1 x 10-3% (weight). Incoherent results obtained in<br/>the repeated analyses of some batches of indium and gallium are<br/>explained as being caused by the irregular distribution of oxygen<br/>in the metals. There are 4 tables.ASSOCIATION: Institut geokhimii i analiticheskoy khimii im.<br/>V.I.Vernadskogo AN SSSR, Noskva (Institute of<br/>Geochemistry and Analytical Chemistry imeni<br/>V.I.Vernadskiy AS USSR, Moscow)SUBMITTED:April 16, 1962Card 2/2

APPROVED FOR RELEASE: 08/31/2001



1.2.2

CIA-RDP86-00513R001859010004-3

ROZENBERG, Genrikh Sholomovich; MITROKHIN, V.T., kand. tekhn. nauk, retsenzent; MITYUSHKIN, Yu.I., kand. tekhn. nauk, retgenzent; TOFULOV, A.M., kand. takhn. nauk, retgenzent; SERDYUKOV, S.A., nauctine red.; VASIL: YEVA, N.N., red. ٠į [Marine centripetal gas turbines] Sudovye tsentrostremitel'nye gazovye turbiny. Leningrad, Sudostroenie, 1964. 256 P. Proposition in Prairie and 

VASIL'YEVA, N.N.; UL'YANOV, N.K.

Geobotanical studies as a method of prospecting for ore deposits in central Kazakhstan. Inform.sbor.VSEGEI no.50:83-94 '61. (MIRA 15:8)

(Kazakhstan---Prospecting) (Kazakhstan---Phytogeography)

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### CIA-RDP86-00513R001859010004-3

89242

s/048/61/025/001/008/031 B029/B067

9.6150 (also 1137, 1395) Vasil'yeva, N. N. and Morgenshtern, Z. L. AUTHORS: Luminescence of non-activated alkali iodides TITLE: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, PERIODICAL: . no. 1, 1961, 47-50 TEXT: The present work has the following aims: 1) production of crystals without Tl impurities, 2) study of the interaction of bands by using In instead of Tl as an activator. The authors obtained such crystals from an aqueous solution of alkali-iodide without heavy metals. They had also crystals that had been grown from a melt by using Stokbarger's method, viz., without activator and with various Tl or In concentrations. (The authors thank L. M. Shamovskiy for having supplied the crystals). The authors studied the emission spectra of all these crystals at room temperature and

at the temperature of liquid nitrogen in the case of excitation by  $\gamma$ -rays from Co60. Results: 1) In the KI crystals grown from the solution, one ultraviolet emission band with  $\lambda_m \sim 370$  mµ exists. 2) Crystals containing

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Luminescence of non-activated ...

high Tl concentrations show one emission band with  $\lambda_m = 406 \text{ m}\mu$ , which is due to the activator. 3) In crystals with low Tl concentrations, one band with  $\lambda_m \sim 382$  mµ exists, which probably consists of a thallium and an ultraviolet band, 4) At low In concentrations, an ultraviolet band and also a band of longer wavelength due to the activator are observed. The intensity of the ultraviolet band decreases and that of the activator band increases with increasing In concentration. The ultraviolet band vanishes at higher In concentrations. Sometimes, intermediary emission bands appear in KI crystals. In general, three emission bands exist in KI and CsI crystals: an ultraviolet band related to the pure lattice, ar. intermediary band, and a long-wave band due to the activator. The longwave bands occurring on the introduction of the activator are due to transitions inside the activator ion. According to the opinion of the authors, the long-wave emission band in CsI-Tl is characteristic of the Tl activator. The intermediary band in CsI may be attributed to structural defects of the vacancy type; the intermediary band in KI is probably of the same nature, but only few data are available on this subject.

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s/048/61/025/001/008/031 B029/B067

Luminescence of non-activated ...

The short-wave emission band in CsI and KI crystals, like the ultraviolet band previously detected, is probably caused by the emission of the pure lattice. Its excitation spectrum could be measured if only this emission band was present. In the range of shorter wavelength ( $\lambda = 185 \text{ mµ}$ ) corresponding to the band-to-band transition, the excitation curve decreases. Similar phenomena are observed in the case of CsI crystals. The KI ultraviolet band is attenuated exponentially at liquid nitrogen temperature with  $\tau = 0.9 \mu$ sec. Therefore, the ultraviolet band seems to be due to exciton emission. Finally, the authors determined the concentration of the activator which is sufficient for a complete quenching of its glow. In the case of KI-In crystals they found a concentration of 0.87  $\cdot 10^{-5}$  mole In/mole KI. The authors thank M. D. Galanin for her interest and for the measurement of a lecture read at the Ninth Conference on Luminescence (Crystal Phosphors), Kiyev, June 20-25, 1960. There are 2 figures and 12 references: 6 Soviet-bloc and 4 non-Soviet-bloc.

Card 3/3

APPROVED FOR RELEASE: 08/31/2001

s/051/60/009/005/016/019 E201/E191 Vasil'yeva, N.N., and Morgenshtern, Z.L. AUTHORS: A Luminescence of Non-activated KI Crystals TITLE: PERIODICAL: Optika i spektroskopiya, 1960, Vol.9, No.5, pp 676-677 The authors grew Tl-free KI crystals from solution. TEXT: They studied luminescence of these crystals and of KI:TL. Irradiation of KI with  $C_060$   $\gamma$ -rays at the temperature of liquid nitrogen produced a luminescence band (probably of exciton nature) at 370 mµ; its half-width was 0.48 eV and it decayed exponentially with the time constant of 0.9 µsec. This band (curve 1 in a figure on page 676) was observed in T1-free KI and in KI:TI crystals. Photoexcitation of pure KI had a maximum near 210 mp at the temperature of liquid nitrogen (curve 2) over-lapping an absorption band (curve 3). Acknowledgements are made to M.D. Galanin for his advice and measurements of the decay time constant, and to N.V. Kostina for her help in this work. There are 1 figure and 6 references: 2 Soviet, 2 English, 1 German and 1 mixed (Soviet and Swiss). SUBMITTED: June 24, 1960 Card 1/1

APPROVED FOR RELEASE: 08/31/2001

BRESIER, S.Ye.; HUBINA, Kh.M.; GRAYEVEKAYA, R.A.; VASIL'YEVA, M.M.
Separation of ribonucleic and adenosine triphosphoric acid using el.comatography on molecular sieves. Biokhimita 26 no.4,74,-.-747 JI-Ag '61. (MIRA 15:6)
1. Institute of High Molecular Compounds, Academy of Sciences of the USSR, Leningred. (HUCHEIG ACIDS) (ADL.: CSIME TRIPHOSPHATES) (CHT GMATCHAPHIC ANALYSIS)

APPROVED FOR RELEASE: 08/31/2001

33641 S/051/62/012/001/009/020 24,3500 (1137,1138) E202/E492 **AUTHORS**: Yasil'yeva, N.N., Morgenshtern, Z.L. TITLE : Gamma and photo-luminescence of alka'i iodides PERIODICAL: Optika i spektroskiya, v.12, no. 1, 1962, 86-91 TEXT: The authors studied the emission spectra of KI crystals excited by the gamma radiation of  $Co^{50}$ . It was found that the spectra of the non-activated KI crystals had only one UV emission band ( $\lambda_m \approx 370 \text{ m}\mu$ ); a band of longer wavelength ( $\lambda_m \approx 406 \text{ m}\mu$ ) was observed only in the presence of a high concentration of Tl activator. The intermediate corresponding to the blue luminescence band of CsI, was not observed generally, but was present at liquid nitrogen temperature. The study of this band was found to be difficult due to heavy overlapping with the main band; however, the maximum was found to be in the region of 400 mµ\_ The emission bands of the non-activated alkali iodides N excited by the gamma-radiation at the liquid nitrogen temperature were described summarily (Table 1). The authors have also measured the excitation spectrum of the CsI and KI crystals with only one UV emission band and found that the excitation bands of Card 1/ in a construction of the c A state of the sta

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33641 \$/051/62/012/001/009/020 E202/E492

Gamma and photo-luminescence ...

the UV light correspond to the exciton bands of absorption in the It was concluded that the UV band is due to an exciton radiation. The fact that this radiation had the highest intensity crystal. in crystals with the lowest number of faults led the authors to believe that they were dealing with a free exciton radiation. The problem of the decay of the exciton radiation with the increase in the concentration of the structural and additive defects was ١X Since the growth of the activator concentration also discussed. reduces the output of the radiation in the exciton band to zero, while simultaneously increasing the luminescence of the activator, there could only be two alternatives, viz. (1) excitation of the activator and formation of the excitons are two independent (and rivaling) processes and (2) excitation of the activator is The authors' work with achieved with the help of the excitons. the CsI-Tl at low temperatures indicated that the first Acknowledgments are expressed to alternative was correct. M.D.Galanin for his interest and to N.V.Kostina for assistance There are 3 figures, 2 tables and 14 references: in the work。 5 Soviet-bloc, 1 Russian translation from non-Soviet-bloc work and The references to English language 8 non-Soviet-bloc Card 2/0 3



## CIA-RDP86-00513R001859010004-3

HANDER MANERAL MANDALIT SILLE ROL D'REFERENCE AND THE ACCESSION NR: AT4016313 S/0000/62/000/000/0325/0329 AUTHOR: Vasil'yeva, N. N. TITLE: Photo- and gamma-luminescence in RbI monocrystals 0 SOURCE: Vses. soveshch. po fiz. shchelochnogaloidn. kris. 'llov. 2d, Riga, 1961. Trudy\*. Fiz. shchelochnogaloidn. kristallov (Physics of alkali halide crystals). Riga, 1962, 325-329 TOPIC TAGS: luminescence, phosphor, alkali halide, alkali halide crystal, photoluminescence, radioluminescence, rubidium iodide ABSTRACT: The three types of luminscence produced by alkali halide monocrystals and identified, in earlier studies, with smaller (ascribed to an undisturbed lattice), medium (linked to structural defects by some authors) and longer wavelengths (characteristic of each particular activator), have been studied in nonactivated and TI- or In-activated RbI monocrystals. In the tests, in thich the  $\tau$ -luminescence spectra and the excitation spectra were measured by the photographic and photoelectric method, respectively, the RbI monocrystal's were found to follow a pattern similar to that of other alkali halides. RbI, grown from a solution, produced one  $\sim$  400 mµ band while RbI grown from a melt produced one Card 1/2

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 $\sim$  405 mµ band. The band moved to  $\sim$  425 mµ as the amount of TI-activator in the RbI increased. The In-activated RbI produced apart from the activator, a  $\sim$  600 mµ band, a violet band coincident with the one in the RbI grown from solution. All three luminescence types could be identified in the excitation spectra. "The author expresses thanks to Z. L. Morgenshtern for his constant attention during the supervision of the work, N. V. Kostina for help in the measurements, and A. A. Dunina for supplying a number of crystals." Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR (Institute of Physics, AN SSSR)

| SUBMITTED   | : 00          | DAT                                   | DATE ACQ: 06Mar64 |                         |           | ENCL: 00 |  |
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|             | $\mathcal{A}$ | 4 T                                   |                   |                         |           |          |  |

APPROVED FOR RELEASE: 08/31/2001

ZIMNEVA, Yelena Matveyevna [deceased]; SHIBALOVA, Lidiya Ivanovna; SHEMANOVA, Valentina Pavlovna; DIMENT, Esfir' Markovna; GAEERTSETTEL', Andrey Iv novich; KONDRAT'YEVA, Zinaida Sergeyevna; KLIMOVA, V.A., inzh., retsenzent; POPILOV, L.Ya., nauchnyy red.; VASIL'YEVA, N.N., red.; TSAL, R.K., tekhn. red.

[Seawater corrosion of copper alloys]Morskaia korroziia mednykh splavov. Leningrad, Sudpromgiz, 1963. 84 p. (MIRA 16:2)

(Copper alloys--Corrosion)

APPROVED FOR RELEASE: 08/31/2001

| T  | ACCESSION NR: AR4043998  | s/0058/64/000/006/D074/D074   |                  |
|----|--|---|------------------|
| •  | SOURCE: Ref. zh. Fizika, Abs. 6055   | 58  |                  |
| ۰. | AUTHOR: Vasil'yeva, N. N.; Morgens   | shtern, Z. L.   |                  |
| :  | TITLE: Y- Luminescence of alkali   | odides  |                  |
| •  | CITED SOURCE: Sb. Stsintillyatory'<br>Khar'kovsk. un-t, 1963, 114-115                      | ' i stsintillyats. materialy". Khar'kov,  |                  |
| •  | TOPIC TAGS: gamma luminescence, a  | lkali iodide  |                  |
| •  | of CoI-T1 at low temperatures. It<br>activator the radiation yield in the                  | perties of exciton radiation in a single crystal<br>is shown that with increasing concentration of<br>ne exciton band drops to zero. This is connect-<br>citation is a competitive process with exciton<br>Abstracts, Physics, 1962, 6V388. |                  |
| ÷  | SUB CODE: IC, OP   | ENCL: 00  |                  |
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## CIA-RDP86-00513R001859010004-3



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#### CIA-RDP86-00513R001859010004-3

ACCESSION NR: AP4035474

s/0051/G4/01G/C05/0251/0253

AUTIOR: Vasil'yova, N.N.

TITLE: Dependence of the scintillation duration of CBI(T1) and KI(T1) phosphore on the activator concentration

SOURCE: Optika i spoktroskopiya, v.16, no.5, 1964, 851-853

TOPIC TAGS: scintillator, scintillation counter, cosium inorganic compound, potassium compound, thallium, Gamma ray detection

ABSTRACT: Investigation of the activator concentration dependences of the scintillation and spectral characteristics of phosphors is of value from the standpoint of clucidating the mechanism of excitation energy transfer from the host to the activator. The present work was devoted to investigation of the variation with activator concentration of the scintillation duration of CsI(T1) and KI(T1) phosphors. For the former the T1 concentration was varied in the range from 0.11  $\times$  10<sup>-4</sup> to 15.75  $\times$  10<sup>-4</sup> molo T1/molo CsI; for the latter, from 0.70  $\times$  10<sup>-4</sup> to 5.45  $\times$  10<sup>-4</sup> mole T1/mole CI (as indicated by polarographic measurements). The growth and decay of the scintillations (fluorescence) were observed by the single oscillographing procedure

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developed by I.K.Plyavin' (Dissertation, FIAN,M.1953). Excitation was realized by gamma-rays from  $Co^{GO}$ ; the fluorescence was detected by an F3U-29 photomultiplier connected to an OK-17m oscillograph. The results are presented in the figures (Enclosure 01), where  $t_0$  is the growth time and  $\tau$  is the decay time.  $d_{lat}$  is the average distance between activator ions in units of the lattice constant. The plots for CsI(T1) exhibit a break at about 0.5 x  $10^{-4}$  mole T1/mole CsI. The plots for XI(T1) are linear; the absence of a break may be due to the fact that the measurements were not extended to sufficiently low Tl concentrations. The difference in behavior of the two types of crystals is interpreted on the assumption that the scintillation decay time is determined by thermal release of the activator ions from close metastable levels; T1+ has at least two excited levels, one of which is non-radiating; the transition probability between these levels varies with the Tl concentration owing to interaction of the Tl ions with each other and with the host "In conclusion, the author expresses her gratitude to M.D.Galinin and Z. lattice. L.Morgenshtern for guidance in the work and discussion of the results." Orig.art. has: 1 formula and 2 figures.

Card <sup>2/4</sup>

APPROVED FOR RELEASE: 08/31/2001

| <br>"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859010004-3   |
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| $\frac{1.10307-56}{ACC NR: AP6000027} = \frac{UT(m)/T/EWP(E)/EWP(E)/EWA(c)}{SOURGE CODE: UR/0368/65/003/005/0470/0472} = 50$ $AUTHOR: Vasil'yeva, N. N. = 43$  |
| ORG: None         TITLE: Scintillation time of cesium iodide-thallium single crystals as a function of activator concentration         a7         SOURCE: Zhurnal prikladnoy spektroskopii, v. 3, no. 5, 1965, 470-472   |
| TOPIC TAGS: scintillation, cesium compound, iodide, single crystal, activated<br>crystal<br>ABSTRACT: The author studies the time characteristics of the scintillation of<br>CsI-T1 single crystals with activator concentrations from 0.14 x 10 <sup>-4</sup> to 15.75 x<br>10 <sup>-4</sup> mole T1/mole CsI. The data are presented according to measurements ob-   |
| tained by the polygraphic method (L. M. Belyayev, M. D. Gatanin, Z. D.<br>Morgenshtern, Z. A. Chizhikova, DAN SSSR, 99, 691, 1954). The damping of the<br>scintillations was investigated by the method of an oscillograph developed by <u>I. K.</u><br><u>Plyavin'</u> (Dissertatsiya. FIAN, M., 1958.), and the warm-up time was studied on<br>the DESO-1 oscillograph. The excitation was induced with a source of gamma-<br>radiation of Co <sup>60</sup> . The author finds an increase in the warm-up time of T1 |
| Cord 1/2 UDC; 539,1.074.5  |

L 10307-66 ACC NR. AP6000027 luminescence with a decrease in its concentration in CsI, and explains the phenomenon by noting that the absorption of the gamma-quantum energy in the grating is not transmitted to the activator instantaneously, but within a period of time, which depends on the concentration Tl. The greater the period of time, the greater the probability of transmission of energy by the centers of luminescence of the pure base or of its conversion into heat. In conclusion the author expresses his gratitude to Z. L. Morgenshtern for supervision of the work, and to M. D. Galanin for discussing the results. Orig. art. has: 3 figures. SUB CODE: 20 / SUBM DATE: 05Jan65 / ORIG REF: 005 / OTH REF: 004 Locat 2/2

APPROVED FOR RELEASE: 08/31/2001

ANDREYEV, Favel Alekseyevich; STRAKHOVICH, K.I., prof., retsenzent; KrOV, A.P., kand. tekhn. nauk, retsonzent; TRAYSHIN, V.G., neuchnyy red.; VASIL'YEVA, N.N., red.; TSAK, R.K., tekhn. red. [Rotary screw compressors] Vintovye kompressornye mashiny, Leningrad, Cos. soluznoe izd-vo sudostroit. promyshl., 1961. 250 p. (MIRA 15:3) (Compressors-Design and construction)

APPROVED FOR RELEASE: 08/31/2001
GINBERG, Aleksandr Mironovich; EAKHVALOV, G.T., doktor tokun, nauk, retsenzent; GRUMEV, I.D., nauchnyy red.; VASIL'YEVA, N.N., red.; TSAL, R.K., tekhn. red.

> [Technology of electroplating and electroforming]Tekhnologiia gal'vanotekhniki. Leningrad, Sudpromgiz, 1962. 279 p. (MIRA 15:10)

(Electroplating) (Electroforming)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859010004-3"





APPROVED FOR RELEASE: 08/31/2001



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GREYNER, Gans Rolandovich; IL'YASHENKO, Vladimir Pavlovich; PERVUSHIN, Nikolay Nikolayevich; CHUMAYEVSKIY, Viktor Alekseyevich; GEYNRIKHS, G.K., kand.tekhn.nauk, retsenzent; SEKUNOVA, O.N., nauchn.red.; SINITSIN, A.I., nauchn.red.; VASIL'YEVA, N.N., red.; FRUMKIN, P.S., tekhn. red.

TO A STATE THE DESCRIPTION OF TH

[Automatic control of air pump compressor plants] Avtomatizatsiia vozdushnykh porshnevykh kompressornykh ustanovok. Moskva, Sudpromgiz, 1963. 147 p. (MIRA 16:8) (Air compressors) (Automatic control)

APPROVED FOR RELEASE: 08/31/2001

ISTOMIN, Pavel Aleksandrovich; NAYDENKO, O.K., kand. ekhn. nauk, dots., retsenzent; LUR YE, I.A., kand. tekhn. nauk, starshiy nauchnyy sotr., retsenzent; PETROV, P.P., nauchnyy red.; VASIL'YEVA, N.N., red.; KOROVENKO, Yu.N., tekhn. red.

[Kinematics and dynamics of piston-type internal combustion engines with combined cycles; generalized method for analyzing crankgoars of engines] Kinematika i dinamika porshnevykh DVS s kombinirovannymi skhemami; obobshchennyi metod analiza krivoshipno-shatunnykh mekhanizmov dvigatelei. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 303 p. (MIRA 15:2)

> (Gas and oil engines) (Cranks and crankshafts)

APPROVED FOR RELEASE: 08/31/2001



APPROVED FOR RELEASE: 08/31/2001

BAGREYEV, Vladimir Vladimirovich; VINOKUROV, Anatoliy Ivanovich; KISELEV, Vyacheslav Aleksandrovich; PANICH, Boris Bentsionovich; ITSKOVICH, Georgiy Mikhaylovich; KONDRASHOV, D.A., inzh., retsenzent; RUBASHKIN, A.G., inzh., retsenzent; ARKUSHA, A.I., nauchn. red.; KOZINTSOV, B.S., nauchn. red.; VASIL'YEVA, N.N., red.; YEROMITSKAYA, Ye.Ye., red.; SHAURAK, Ie.N., Ted.; KRYAKOVA, D.M., tekhn. red.

> [Collection of problems in technical mechanics] Sbornik zadach po tekhnicheskoi mekhanike [By] V.V.Bagreev i dr. Leningrad, Sudpromgiz, 1963. 551 p. (MIRA 16:8) (Mechanical engineering--Problems, exercises, etc.)

APPROVED FOR RELEASE: 08/31/2001



VASILIYZZA, H. H.

WASHLYEWA, N. H. -- "The Slyconen Generat of the Skin During Hormal and Se tain Pathological States." Sub 6 May 52, Gentral Inst for the Ad-vanced Training of Physicians. (Discertation for the Degree of Ca didate in Medical Sciences).

Veche naya Moskva January-December 1952 SO:



.

VASIL'YEVA, N.N.

Chronic pemphigus benignus vegetans. Vest.ven.i derm. no.2:48-50 Mr-Ap '54. (MLRA 7:4)

1. Is otdela dermatologii (zaveduyushchiy - professor L.N.Mashkolleyson) TSentral'nogo kozhno-venerologicheskogo instituta (direktor - ...andidat meditsinskikh nauk N.M.Turanov) Ministerstva sdravookhraneniya SSSR. (Pemphigus)

APPROVED FOR RELEASE: 08/31/2001

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## CIA-RDP86-00513R001859010004-3

```
VASIL'YEVA, N.N., kandidat meditsinskikh nauk
               A CONTRACT OF STATES
                  Morphology of some forms of tracheal adenoma. Vest.oto-rin. 18 no.5:
                                                                       (MLRA 9:11)
                  61-63 S-0 156.
                  1. Iz kafedry patologicheskoy anatomii (zav. - chlen-korrespondent
                  Akademii meditsinskikh nauk SSSR prof. A.I.Strukov) I Moskovskogo
                  ordena Lenina meditsinskogo instituta.
                         (TRACHEA, neoplasms
                             adenoma, pathol.)
```

KALABINA, A.V.; BYCHKOVA, T.I.; MORDODOTKV, G.M.; VASILITEVA, H.N.
Synthesising acetals of diatomic phenols. Ixv.Sib.otd.AH SSSR (MIRA 11:1)
1. Irkutakiy gosudaratvennyy universitet im A.A. Endanova. (Phenol condensation products) (Acetal)

APPROVED FOR RELEASE: 08/31/2001

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1

RABEN, A.S. VASIL'YEVA, N.N. Clinical characteristcs and pathohistology of ecsinophilic granuloma of the face. Vest.derm.1 ven. 34 no.3:71-12 My-Je (EOSINOPHILIC GRANULOMA) (FACE DISEASES) (HIRA 13:10)

HO.UNHIN

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859010004-3"

VASIL'YEVA, N. N.; BOLKHOVITINOVA, L. M. (Moskva)

Morphogenesis and clinical aspects of embryonal adenosarcoma of the kidneys in adults. Arkh. pat. no.6:51-56 '61. (MIRA 14:12)

1. Iz kafedry patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR prof. A. I. Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I. M. Sechenova.

(KIDNEYS\_\_TUMORS)

APPROVED FOR RELEASE: 08/31/2001

"APPROVED FOR RELEASE: 08/31/2001

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CIA-RDP86-00513R001859010004-3

GAVRILOV, V.I.; KUBORINA, L.N.; VASIL'YEVA, N.N. Use of transplanted cells of mice embryos (line KE4-La) for the color test. Vop. virus. 6 no.5:563-568 S-0 '61. (MI.14 15:1) 

APPROVED FOR RELEASE: 08/31/2001

"APPROVED FOR RELEASE: 08/31/2001

9.0633

CIA-RDP86-00513R001859010004-3

THE SECONDER PRESERVICE HALF IS IT THEY IS THE PRESERVICE THE PRESERVICE AND A DESCRIPTION OF THE PRESERVATION OF THE PRESERVATION OF THE VASIL'YEVA, N.N., kand. med.nauk; GOLUBEVA, K.I., kand. med. nauk; GUL'KEVICH, Yu.V., prof.; DAL', M.K., doktor med.nauk, prof.; IL'INA, A.V., kand.med. nauk; LEVKOYEVA, E.F., doktor med.nauk, prof.; MASLOVA, I.P., kand. med.nauk; PRICOZHINA, A.L., kand. med.nauk; UGRYUMOV, B.P., prof.; SHATILOVA, T.A, kand. med.nauk; SHCHEGLOVA, A.A., kand. med.nauk; DVIZHKOV, P.P., prof., red. toma; STHUKOV, A.I., prof., red. toma; OSTROVERKHOV, G.Ye., prof., glav. red.; APATENKO, A.K., kand. med. nauk, nauchn. red. toma [Multivolume handbook on pathological anatomy] Mnogotomnoe rukovodstvo po patologicheskoi anatomii. Otv. red. A.I. Strukov. Moskva, Medgiz. Vol.1. [History of pathological anatomy; pathological anatomy of the endocrine glands, skin, ear, and eye] Istoriia patologicheskoi anatomii; patologicheskaia anatomila zabolevanii endokrinnykh zhelez, kozhi, ukha i glaza. Red. toma: P.P.Dvizhkov i dr. 1963. 670 p. 1. Chlen-korrespondent AMN SSSR (for Strukov). (MIRA 16:11) (ANATOMY, PATHCLOGICAL)

APPROVED FOR RELEASE: 08/31/2001

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001859010004-3 210 44 GAVRILOV, V.I.: VASIL'YEVA, N.N.; DODG OF M.N. ZHIYEVA, R.G. Line of transplantable cells from a Syrian hamster tumor caused by the SV<sub>40</sub> virus. Vop. virus 8 no.5:583-590 S-0'63 (MIRA 17:1) 1. Institut virusologii imeni D.I.Ivanovskogo AMN SSCR i Kontrol'nyy institut meditsinskikh biologicheskikh jandtart 1. 17. 15.

APPROVED FOR RELEASE: 08/31/2001





Res 1

ALTSTEIN, A.D.; DODONOVA, N.N.; VASILYEVA, M.N.

The effect of incubation temperature on the cytopathic activity, plaque formation and multiplication of vacuolating virus SV 40. Acta virol. (Praha) [Eng.] 9 no.2:144-151 Mr<sup>1</sup>65.

1. The Tarasevich State Control Institute of Medical B ological Preparations, Moscow, U.S.S.R.

14 Minut

APPROVED FOR RELEASE: 08/31/2001



VASIL'YEVA, N.N.; NIKOL'SKAYA, B.S.

Experimental study of the toxic and possibly carcinogenic effect of the alkaloid sarracine. Farm. i toks. 28 no.1:111-114. Ja-F \*65. (MIPA 18:12)

1. Otdel po izucheniyu kantaerogennykh agentov Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR i laberatoriya narodnoy meditsiny Vsesoyuznogo nauchno-issledovatel'skogo instituta lekarstvennykh i arcmaticheskikh rasteniy, Moskva. Submitted November 26, 1963.

APPROVED FOR RELEASE: 08/31/2001