

APPROVED FOR RELEASE: 09/17/2001

CUZIKOWSKI, K. Now we do not bake bread at home in Wierzchoslawice. p. 7; ROINIK SPOLDZIELCA. (Centrala Rolnicza Spoldzielni "Samopomoc Chlopska") Warszawa; Vol. 8, no. 18, Nay 1955. SOURCE: East European Accessions List (ZEAL), Library of Congress, Vol. 4, No. 12, December 1955.

APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6 ter and the second s ND BREEKISSERIE SAMERIE ARDEREN 11142823 71 Guzin, P.L. 4 3 /\$mx(5230 Diffusion in Iron-Accounten Alloya. (Digest of "In-Brence of Chirdhitum on the Self-Diffusion of Iron", by P. Grein: Doklady skadenus nauk S.S.S.R. v. 103, 1353, p. C. Wiener Doklady skadenus nauk S.S.S.R. v. 103, 1353, p. C. Self-stilledus coefficients were determined using rangestive Pro-as a traves. as a tracer JIS June 押职 Contraction of the local division of the loc ġ. 16.

APPROVED FOR RELEASE: 09/17/2001

GUAN, 1. L., et al

"Investigating mobility of carbon atoms and inter-stonic interaction in alloys by radio-active indicator method," a paper presented at the International Conference on Radioisotopes in Scientific Research, Paris, 9-20 Sep 57

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6

GUZINA, Bosko, ing.; PCPOVIC, Velizar, ing. Hydrologic analysis and investigations of stream sources in the vicinity of Niksic. Vodoprivreda Jug 2 no.4/5:63-70 '59. (EEAI 9:10) 1. Energoprojekt, Beograd, Carice Milice 2. (Montenegro--Water)

APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6



APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6

🔬 🕆 1999 - Marine Carley Carley

STEFANOVIC, S.; MILOSAVLJEVIC, A.; STEFANOVIC, R.; VUKOTIC, D.; PASTRAKULJIC, N.; PERISIC, V.; GUZINA, D.; ROLOVIC, Z.

Clinical significance of the determination of coagulation factors. Acta med. iugosl. 13 no.2:164-196 '60.

1. Clinique Medicale A de la Faculte de Medecine de Belgrade et Centre de la transfusion sanguine de Belgrade. (BLOOD COAGUIATION)

APPROVED FOR RELEASE: 09/17/2001

RUREE

GUZINA, D.; PANTELIC, M.; MILOSAVLJEVIC, A.; BUGARSKI, M.; ZIVKOVIC, S.; JONAS, S.; NESKOVIC, B.

Use of radioactive iodine in the treatment of hyperthyroidism. Prim. radioaktiv. izotop. 2 no.3:69-72 D '61.

1. Onkoloski institut Medicinskog fakulteta u Beogradu Upravnik: Prof. dr. Marija Visnjic-Frajnd. (IODINE ISOTOPES THERAPEUTIC) (HYPERTHYROIDISM)

APPROVED FOR RELEASE: 09/17/2001

0 ==1,7:01,5:14

CIA-RDP86-00513R000617720002-6"

X

MILOSAVLJEVIC, A.; NESKOVIC, B.; BUGARSKI, M.; PANTELIC, M.; GUZINA, D.

Irradiation of myelofibrosis with radioactive iron. Bul sc Youg 7 no.1/2:12 F-Ap '62.

1. Onkoloski institut Medicinskog fakulteta, Beograd.

-0.44 -1.44 -1.44

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6"

*

MILOSAVLJEVIC, Aleksije; GUZINA, Doka; PANTELIC, Mladomir; BUGARSKI, Miodrag; NESKOVIC, Blagoje

的印刷的石匠计算机

Measurement of blood volume in polycythemia. Srpski arh. celok. lek. 90 no.4:421-428 Ap '62.

1. Onkoloski institut Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr. Marija Visnic-Frajnd.

APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6

and a second and a second and a second second se

GUZINA, Djoko; MILOSAVLJEVIC, Aleksije; PANSELIC, Mladomir; EUGARSKI, Miodrag.

> Studies on the blood, erythrocytes, plasma volume and survival of erythrocytes in splenomegalic forms of liver cirrosis. Srpski and celok lek. 92 no 9:869-877 S'64.

1 Onkoloski institut Medicinskog fakulteta Univerziteta u Beogradu (Direktor: prof. dr Marija Visnjic-Frajnd).

APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6

计图图 网络拉马马斯斯斯 计算机性 计注意分词 注义

MELOSAVLJEVIC, Alaksije; PARTELIC, Miadomir; BUGARSKI, Miodrag; GUZINA, Doko

·注意: 化数字数子

Criteria for the evalutation of congestive spleen diseases using radioactive chromium (Cr-51). Srpski arh. celok. lek. 92 no.12:1165-1174 D '64.

1. Onkoloski institut Medicinskog fakulteta Univerziteta u Beogradu (Direktor: prof. dr. Marija Visnjic-Frajnd) Interno odeljenje za primenu radioaktivnih izotopa (Nacelnik: dr. Aleksije Milosavljevic).

APPROVED FOR RELEASE: 09/17/2001

GUZINA, Nemanja, dipl. inz.

neer geeren neergenge op ee

Some observations made during the visit to some broweries in Czechoslovakia. Kem i.a 13 no. 6:421-422 Je '64.

1. Sarajevo Brewery, Sarajevo.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6"

i di



APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

GUZINSKIY, D.Ya.; VASKAN, G.K., nauchnyy sotr.; POLIKARPOV, V.P.; FITOVA, L.; red.; ZHEMANYAN, N., tekhn. red.

[Orchards on the Dniester terraces; development of fruit culture on the "Put' k kommunizmu" Collective Farm in Dubossary District] Sady na terrasakh Dnestra; iz opyta razvitila sadovodstva kolkhoza "Put' k kommunizmu" Dubossarskogo raiona. Kishinev, Gos. izd-vo "Kartia moldoveniaske," 1961. 59 p. (MIRA 14:7)

1. Predsedatel' kolkhoza "Put' k kommunizmu" Dubossarskogo rayona (for Guzinskiy). 2. Nauchno-issledovatel'akiy institut sadovodstva, vinogradarstva i vinodeliya (for Vaskan, Polikarpov) (Dubossary District-Fruit culture)

APPROVED FOR RELEASE: 09/17/2001

GUZIORSKI, Jerzy, mgr., inz.; WIELGUSIEWICZ, Wladyslaw, mgr., inz. Development trends of the combined heat and electric power economy

1. Biuro Studiow Komitetu Elektryfikacji Polski, Polska Akademia Nauk, Dzial w Gliwicach.

in the domestic industry. Energetyka przem 9 no.11:384-387 '61.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

(a) IN THE PRESENCE BURGER AND ADDRESS AND ADDRESS ADDRES ADDRESS AD REAS ADDRESS AD REAS ADDRESS ADDRE ADDRESS ADD

GUZIUR, Oswald, mgr inz. Requests concerning vinidur tubes for electric installations. Wiad elektrotechn 28 no.3:68-70 Mr '61. 1. Zaklady Wytworcze Osprzetu Sieclowego, Kostuchna.

APPROVED FOR RELEASE: 09/17/2001

. Han in

GUZIUR, Odwald, mgr inz.

1111

10.2

10.152.253

Electric installations in vinidur tubes. Wiad elektrotechn 28 no.5:139-141 My '61.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6

		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
·	L 04148-67 EWT(1)/EWT(m)/EWP(t)/ETI 1JP(c) JD ACC NR: AP6026672 SOURCE CODE: UR/0181/66/008/008/2293/2299	
	AUTHOR: Peka, G. P.; Guziy, A.S.	
-	ORG: <u>Kiev State University im. T. G. Shevchenko</u> (Kiyevskiy gosudarstvennyy universitet)	
	TITLE: Investigation of the surface levels on cuprous oxide by the field effect and luminescent field effect methods	
	SOURCE: Flzika tverdogo tela, v. 8, no. 8, 1966, 2293-2299	
	TOPIC TAGS: cuprous oxide, electron structure, luminescent crystal, CRYSTAL SURFACE	
	ABSTRACT: A method is proposed for determining the parameters of surface levels from the dependence of the luminous intensity of a semiconductor on the band bending near its surface. Measurements of the field effect and luminescent field effect are performed at sinusoidal voltage and a frequency of 140 cps on Cu ₂ 0 crystals. The measurements reveal the existence of a	
	tage and a frequency of 140 cps on Cu ₂ 0 crystals. The inclusion and the relaxation times of system of fast (intrinsic time $\tau < 10^{-3}$ sec) levels at the Cu ₂ 0 surface, the relaxation times of which vary over a wide range. A direct effect of the degree of population of the surface levels on the luminous intensity of Cu ₂ 0 is also observed. The values of the energy position of a surface level determined by both methods are found to be in excellent agreement. Orig. art. has: 6 figures, 1 table, and 4 formulas.	
	SUB CODE: 20/ SUBM DATE: 05Nov65/ ORIG REF: 007/ OTH REF: 003 Cord 1/1 - 1/2	

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

List Big

120-128-1251

GUZIY, F.Ye.; SEMENOV, M.V.; SOYFER, V.M.

New design of electrode holder heads for arc furnaces. Metallurg 5 (MIRA 14:3) no.5:20-21 My '60.

.....

1. Khar kovskiy zavod tyazhelogo elektromashinostroyeniya (Electric furnaces-Equipment and supplies)

a construction of the second sec

APPROVED FOR RELEASE: 09/17/2001

LEYDERMAN, M.I.; GUZIY, F.Ye.

Cooling of ETMK-2700/10 electric furnace transformers. Energ. i elektrotekh. prom. no.1:64-67 Ja-Mr '63. (MIRA 16:5)

1. Khar'kovskiy zavod "Elektrotyazhmash" imeni V.I.Lenina. (Electric transformers--Cooling) (Electric furnaces--Equipment and supplies)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6"

CIA-RDP86-00513R000617720002-6

GUZIYEV, I.S.

Rare alkali basaltoid rocks. Map. Vses. min. ob-va 93 no.3: (MIRA 18:3) 367-369 164.

1. Kamchatskoye geologicheskoje upravleniye, Petropavlovsk-Kamchatskiy.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

VUL, A.I.; GUZKO, A.G.

، قذ

医静脉的

oferende redealere ad de site a data

Engineering office of the Alma-Ata post office. Vest. sviazi 21 no.4:15 Ap '61. (MIRA 14:6)

Nachal'nik laboratorii Alma-Atinskogo pochtamta (for Vul).
 Nachal'nik tekhnicheskogo kabineta Alma-Atinskogo pochtamta (for Guzko).

(Alma-Ata-Post service)

APPROVED FOR RELEASE: 09/17/2001

法行用的时期时代

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6



APPROVED FOR RELEASE: 09/17/2001

3.我多能过是我的记忆我的多时,还没有很好的过去,你们还有这些你们要把这个公司,这一个人们,你们们我们的人们都能见我的吗?你不是不是,你们不能能是你的。""你们

112-0612107541

GUZMAN, A.A.

7 - 1 - 1 - 1 - 1

·11 - 6 m

目目的期间的 Section of Odintsovo (Dnieper-Moscow) interglacial sediments near Khmel'niki, Znamensk District Smolensk Province. Mat. po geol.i pol.iskop.tsentr.raion.evrop.chasti SSSR no.5:136-(MIRA 16:6) 138 '62. (Khmel'niki region (Smelensk Province)---Palynology)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6"

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6



APPROVED FOR RELEASE: 09/17/2001

GUZMAN, A.⁴ MITROPOL'SKIY, A. Let's improve and modernize vending machines. Sov. torg 33 no.10:8-11 0 '59. (WirkA 13:1) (Vending machines)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

CIA-RDP86-00513R000617720002-6

GUZMAN, A.A KURKIN, S.; MITROPOL'SKIY, A.

How to use vending machines for copybooks and pencils correctly. Sov. torg. 33 no.11:47-52 N '59. (MIRA 13:2) (Vending machines)

APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001

 "APPROVED FOR RELEASE:
 09/17/2001
 CIA-RDP86-00513R000617720002-6

GUZMAN, A.A.; KANTOROVICH, V.I.

. .; 1¹1. .

rinder in der Staten Konstantigen

Performance testing of FAK-0,7, FAK-1,1, and FAK-1,5 refrigerating machinery units. Khol.tekh. 38 no.2:38-40 Mr-Ap ¹⁶1. (MRA 14:3) L. Mauchno-issledovatel'skiy institut torgovli i obshchestvennogo pitaniya. (Refrigeration and refrigerating machinery)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

. To Develope a superior of the second state of the second states and the s

GUZMAN, A.G.

Almond-shaped diabases of the Middle and Lower Devonian volcanogenic sedimentary iron-bearing strata in the Kalguty River basin of the southeastern Altai. Izv. Alt. otd. Geog. ob-va SSSR no.5:33-35 '65. (MIRA 18:12)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya, Novosibirsk.

APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6

- A. <u>GUZMAN, G.;</u> NOSKOV, M.
- 2. USSR (600)

- 4. Cotton Growing
- 7. Chief tasks of cotton workers. Khlopkovodstvo no. 8, 1952

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

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

CIA-RDP86-00513R000617720002-6



APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001




Dispertation: "Furification of wir, of ald wir, and windle waygen in wir-Departing a paratus by the nemoval of Carbon Dioxide." Gend i en bel, worden anstitute of Chemical machine Building, 2 dul 54. (Vechernyaya worky), Wiscon, 25 dun 547

ec 1954 دند رك ر18 شاد الاند



GUZMAN, I.S., kand. tekhn. nauk

Oxygen and acceleration of the open-hearth excelting process. Stal' 24 no.53412-413 My '64. (MIRA 17812)

1. Vsesoyuznyy nauchno-issledcvatel'skiy institut kislorodnogo mashinostroyeniya.

APPROVED FOR RELEASE: 09/17/2001 CI

And Marken Mar

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

15(2) AUTHCR:	Guzman, I. Ya.
FITLE:	The Peculiarities of the Structure and the Properties of Foan Ceramics on the Basis of Fure Oxides Al_2O_5 and BeC (Osobennosti
	stroyeniya i svoystv penokeramiki na osnove chistykh okislev Al ₂ 0 ₃ i BeO)
PERIODICAL:	Nauchnyye doklady vysshey shkoly. Khimiya i khimichoskaya tekhnologiya, 1959, Nr 1, pp 181 - 185 (US.R)
ABSTRACT: Card 1/3	Foam ceramics have essential advantages over the customary method of adding combustible organic substances on the pro- duction of porous ceramics. An investigation is made into foam masses of rosin soap with suspensions of highly refractory powdered oxides. The foam mass thus forms a three-phase system (solid oxide, liquid, and air). Specific gravity and porosity depend on the ratio of these phases (Diagram). On firing a peculiar cell structure is formed which closely surrounds the air pores. At high temperatures diffusion processes leading to re-crystallization occur in the crystal lattice. This re- crystallization is the more intensive the finer the material

APPROVED FOR RELEASE: 09/17/2001

 "APPROVED FOR RELEASE: 09/17/2001
 CIA-RDP86-00513R000617720002-6

 CIA-RDP86-00513R000617720002-6
 CIA-RDP86-00513R000617720002-6

The Peculiarities of the Structure and the Properties CUV/156-55-1-47/54 of Foam Geramics on the Basis of Euro Oxides Al_2O_3 and BeC

has been powdered, i.e. the larger the surface is. In the same way, this re-crystallization is favored by such defects in the crystal lattice as arise on the preceding thermal treatment of the oxides, but also on the addition of substances that form solid solutions (TiO₂ in Al₂O₃,

CaO in BeC). On firing a growth of the crystals takes place, as well as an agglomeration in thin layers. The hardening of the body is accompanied by a shrinkage in volume. Diagrams show the continuous course of shrinkage, with rising temperatures, as well as the sharp turn in the curve when adding TiO₂ or CaO. The honeycomb-shifed macro-structure and the micro-structure of the pore shells consisting of crystals are clearly discernible under the microscope. The physical data listed in tables (gas permeability, heat resistance, specific gravity, deformation under stress, etc) prove the valuable projecties of foam beryllium and foam corundum. There are 4 figures, 2 tables, and 4 references, 3 of which are Soviet.

Card 2/3

化相关计学生

APPROVED FOR RELEASE: 09/17/2001

The Peculiarities of the Structure and the Properties SCW/156-59-1-7/34 of Peam Ceramics on the Basis of Pure Oxides AlgO₃ and BeO ASSCCIATION: Kafedra keraniki i ogneuporov Moskovskogo khimiko-tekhnologichoskogo instituta im. D. I. Mendeleyevn (Clair of Ceramics and Refractories of the Moscow Institute of Chemical Technology Imani D. I. Mendeleyev) SUDMITTED: September 6, 1996 Card 3/3

APPROVED FOR RELEASE: 09/17/2001 CIA

15(2)AUTHORS: Guzman, I. Ya., Poluboyarinov, D. N. SOV/131-59-2-6/16 TITLE: Light Aluminum Oxide Refractories (Legkovesnyye ogneupory iz okisi alyuminiya) PERIODICAL: Ogneupory, 1959, Nr 2, pp 71-79 (USSR) ABSTRACT: At the beginning Pirogov, Abbi, and Reyngart are mentioned who have dealt with this problem already earlier. The authors of the present paper investigated the production possibilities of pure light corundum products of high porosity, sufficient strength, and volumetric stability at high temperatures. For this purpose they used technical alumina of the G-2 mark which had been burnt before at temperatures of 1450 and 1600°. In order to increase the crystal growth 1-2% of TiO, were added to the alumina. The dispersion of alumina is mentioned in table 1. Furthermore, the production of samples from foam material and of a mass of burning out additions is described in detail. The dependence of the specific weight of the foam mass on the suspension humidity and the amount of foam is represented in figures 1 and 2. The change of the strength of the blank during the burning process may be seen from table 2. In figure 3 the linear change in the Card 1/3

APPROVED FOR RELEASE: 09/17/2001

Light Aluminum Oxide Refractories

The second se

course of burning of foam mass samples from alumina which $h_{\rm fod}$ been burnt before and in figure 4 the dependence of the breaking strength under pressure on the specific weight is represented. In tables 3 and 5 the properties of light foam mass products are given at various conditions, and in table 4 the coefficients of thermal conductivity of various corundum materials are mentioned. The linear changes of foam mass samples in burning are represented in figure 5. The properties of light products with burning out additions may be seen from table 6. Figures 6, 7, and 10 show the macrostructure and figures 8 and 9 the microstructure of light foam products as given by B. V. Ivanov. Conclusions: pure light corundum materials with a wide range of 5 specific weights can be produced from alumina by the foam method. Products of pre-burnt alumina show the best qualities. The light corundum blank shows little strength as well as a high shrinkage in drying and burning and should be burnt at 1700 - 1750° .

Card 2/3

福建集计

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6"

Light Aluminu	um Oxide Refractories	SOV/131-59-2-6/16
	By adding 1 - 2% of TiO_2 the bu	rning temperature can be
	reduced to 1550 ⁰ . The light co as heat-insulating material up 6 tables, and 11 references, 8	rundum-foam product may serve to 1750°. There are 8 figures,
ASSOCIATION:	Khimiko-tekhnologicheskiy insti (Chemico-Technological Institut	tut im. Mendeleyeva e imeni Mendeleyev)
Card 3/3		

GUZMAN, I. Ya., Cand Tech Sci -- (diss) "Heat insulation of highrefractory ceramics from Al₂O₃BeO and ZrO₂. (Technology, structure, and properties)." Moscow, 1960. 23 pB; 2 pages of illustration; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Lenin Chemical Technology Inst im D. I. Mendeleyev); 180 copies; price not given; (KL, 17-60, 152)

APPROVED FOR RELEASE: 09/17/2001

المتهاجية المتهاجين

ð

CIA-RDP86-00513R000617720002-6"

,

POLUBOYARINOV, D.N.; ADUSHKIN, L.Ye.; GUZMAN, I.Ya.; ZAYONTS, R.M.
Some properties of porous cordierite ceramic. Ogneupory. 26 no.8: 370-372 '61. (MIRA 14:9)
1. Khimiko-tekhnologicheskiy institut im. Mendeleyeva (for Poluboyarinov, Adushkin, Guzman). 2. Nauchno-issledovatel'skiy institut stroitel'noy keramiki (for Zayonts). (Cordierite) (Refractory materials)

APPROVED FOR RELEASE: 09/17/2001 C





GUZMAN, I.Yü.; MOROZOVA, V.S. Foamed carborundum and its properties. Ogneupory 28 no.12: 558-561 '63. (MIRA 16:12) 1. Khimiko-tekhnologicheskiy institut im. D.I. Mendeleyeva.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

CONTRACTOR OF THE REAL PROPERTY OF

CIA-RDP86-00513R000617720002-6

s/0131/64/000/004/0182/0185 AP4029227 ACCESSION NR: AUTHOR: Guzman, I. Ya.; Komissarova, N. M.; Krutikova, I. M.; Stepanov, M. A. Sintering and some properties of CaF, ceramics TITLE: Ogneupory*, no. 4, 1964, 182-185 SOURCE: ABSTRACT: Calcium fluoride has found wide use in various regions of technology as an active flux. Recently, calcium fluoride has begun to be used as a construction and shielding material for conducting a number of high-temperature chemico-metallurgical processes in fluorine-containing media. The authors bring to light processes of sintering as well as some properties of ceramics based on calcium fluoride. Characteristics of the initial materials are given in a table. Characteristics of ceramics from commercial calcium fluoride and the characteristics of ceramics from pure calcium fluoride are presented in tables which depict their properties at different temperature ranges. The composition in properties of grain structure samples of commercial calcium fluoride are given. Testing of calcium fluoride ceramics for corrosion resistance was conducted in a fluorine medium (concentration 92-97%) at a temperature of 750°C for 16 hours. The evaluation was conducted by visual and weight methods, as well as by stability change during the testing. The rate of corrosion of laboratory and industrial samples was from 5.5 to 19 $g/m^2/hr$; Card 1/2

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6

ACCESS ION	NR:	AP4029227
------------	-----	-----------

during testing the stability increased. The obtained results attest to the fact that in a fluorine medium, at 750°C, calcium fluoride ceramics are completely stable and maintain their stability. Therefore, parts can be recommended for service under such conditions as refractory lining material, filters, etc. Orig. art. has: 4 tables.

۰

al a fei el el a compara de la c

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Chemicotechnological Institute)

:	SUBMITTED:	00	i i	DATE ACQ:	28Apr64	. .	ENCL:	00	
	SUB CODE:	ML	. /	NO REF SOV	: 000		OTHER:	005	
•					•				
			ì.					•	
•			ч. ¹					•	
:				,			•	•	
			•			·	` -	\mathbf{n}^{\pm}	
. •	Cord 2/2		•		•		• .		
	-								

APPROVED FOR RELEASE: 09/17/2001

CESSION NR: AP4040466	s/0131/64/000/006/0281/0284
THOR: Guzman, I. Ya.; Serova,	G. A.
TLE: Porous magnesium oxide re	fractories
URCE: Ogneupory*, no. 6, 1964	, 281-284
PIC TAGS: magnesium oxide, mag riclase refractory, porous ref thod, periclase	
ompted the study of the physica ide products as compared with (ide refractories. A relatively fractory material was obtained	l characteristics of magnesium oxide al properties of porous magnesium the properties of dense magnesium y strong, permeable, and highly with technical grade magnesium porosity. The properties of the
rous products can be controlled	ller to binder ratio, content and
rous products can be controlled	

GEN

2

ACCESSION NR: AP	4040466	1
rerractory, highly obtained with per: The low thermal co ble their use as 1	he combustible additive (petroleum coke). Highly y permeable (to gases), porous materials were iclase by the method of combustible additives. onductivity of periclase-based ceramics makes possi high-temperature heat insulators, in the absence of	[-
filters in correction or for the second seco	udden temperature changes; they could be used as osive media where basic refractories are required. 4 tables and 1 figures.	
filters in corre orig. art. has: A ASSOCIATION: Khim (Chemicotechnologi	udden temperature changes; they could be used as osive media where basic refractories are required. 4 tables and 1 figure. hiko-tekhnologicheskiy institut im. D. I. Mendeleye cal/Institute)	
heavy loads and su filters in corre Orig. art. has: ASSOCIATION: Khim (Chemicotechnologi SUBMITTED: 00	udden temperature changes; they could be used as osive media where basic refractories are required. 4 tables and 1 figure. aiko-tekhnologicheskiy institut im. D. I. Mendeleye cal/Institute) DATE ACQ: 06Jul64 ENCL: 00	
heavy loads and su filters in corre Orig. art. has: A ASSOCIATION: Khim (Chemicotechnologi SUBMITTED: 00	udden temperature changes; they could be used as osive media where basic refractories are required. 4 tables and 1 figure. hiko-tekhnologicheskiy institut im. D. I. Mendeleye cal/Institute)	
heavy loads and su filters in correct Orig. art. has: ASSOCIATION: Khim (Chemicotechnologi SUBMITTED: 00	udden temperature changes; they could be used as osive media where basic refractories are required. 4 tables and 1 figure. hiko-tekhnologicheskiy institut im. D. I. Mendeleye cal/Institute) DATE ACQ: 06Jul64 ENCL: 00	
heavy loads and su filters in correct Orig. art. has: ASSOCIATION: Khim (Chemicotechnologi SUBMITTED: 00	udden temperature changes; they could be used as osive media where basic refractories are required. 4 tables and 1 figure. hiko-tekhnologicheskiy institut im. D. I. Mendeleye cal/Institute) DATE ACQ: 06Jul64 ENCL: 00	

计计算机 的复数形式

54792-65 EHP(e)/ENT(E)/T-WH- CESSION NR: AP5013511	UR/0131/65/000/005/0041/0046 666.76+546.201
THOR: Guzman, I. Ya.; Tumakova, Ye. I.	· · · · · · · · · · · · · · · · · · ·
TLE: Bond formation during firing of r	efractories based on silicon carbide
URCE: Ogneupory, no. 5, 1965, 41-46 PIC TAGS: silicon, carborundum, refrac	story material, siliton carbide
g of masses made up of Si+CSi in nitrog this study were temperature and the co ecimens were made up of grade N-14 carb ameter 14µ) and grade KR-O silicon (~99 C/Si weight ratios which were studied w 100. Samples with a diameter and heigh 1.000 kg/cm ² . The specimens were roas	cal changes which take place during calcin- gen and in carbon charges. The variables poposition of the carbon charge. The test porundum (~98% SiC, average particle 9% Si, average particle diameter 2µ). The were: 100:0; 80:20; 60:00; 40:60; 20:80; ht of ~25 mm were pressed under a pressure sted in charges of three types: 1) coke pproximately 4%); 2) a mixture of 50% coke
rd 1/\$	

CIA-RDP86-00513R000617720002-6

L 54792-65 ACCESSION NR: AP5013511

12.12

Source of the second

and 50% quartz sand; 3) a mixture of 50% coke, 40% quartz sind and 10% elemental silicon. Roasting was done in three temperature ranges: 1300-1350, 1450-1500, and 1650-1700°C. Provision was made for ten hours holding at 1300-1350°C, i.e. at a temperature somewhat lower than the molting point of silldon, and for two hours holding at the final temperature. The properties of calcined samples with a composition of 40% Si and 60% SiC [apparent density (volumetric weight) of the naw material was 1.58 g/cm3] as a function of the reasting temperature and the composition of the carbon charge are given in table 1 of the Enclosure. The changes in chemical composition of a sample based on 60% Si and 40% SiC as a function of reasting temperature in a coke charge are given in fig. 1 of the Enclosure. It was found that the bond formation during roasting of silicon and of a mixture of silicon carbide with silicon in carbon charges is caused by reactions of silicon with the gaseous phase--basically with CO and N2. The interaction results in a considerable change of weight -- up to ~67% in the case of full reaction of silicon. It is a simple matter to determine the change in weight during roasting and this should be done to control calcining of refractories of this type. Bond formation takes place mainly in the 1100-1450°C range, 8-SiC being the main compound which is formed. Silicon hydroxynitride Si20N or Si20N2 is also formed as well as a certain amount of cristobalite. In a pure carbon charge above 1500°C the fond bugins to dissociate

en ar a la de la completa de la comp

Card 2/5

APPROVED FOR RELEASE: 09/17/2001

110	
	L 54792-55 ACCESSION NR: AP5013511
	due to interaction of SiC and residual silicon with CO to form silicon monoxide.
	This reaction is accompanied by losses of weight in the specimens and an increase in their porosity together with losses in strength. When articles made of a mix-
	ture of SiC with Si are being roasted in a pure carbon charge, the temperature should not be raised above 1450°C. When quartz sand and/or silicon are added to
	the carbon charge, the mechanism of bond formation is not changed but dissociation is prevented. Therefore it is recommended that quartz sand he added to the charge.
	In chemical analysis of refractories of this type and in estimating the quantity of
	silicon nitride from the nitrogen content, it should be kept in mind that the ni- tride is in the form of hydroxynitride (Si ₂ ON or Si ₂ ON ₂). Onig. art. has: 5 fig-
	ures, 3 tables.
	ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut in. D. I. Mendeleyeva (Noscow Institute of Chemical Technology)
 	SUBMITTED: OG
	SUBMITTED: 0C ENCL: 02 SUB COTE: MT NO REF SOV: 004 OTHER: 004

ACC NR: AP6017671 . SOURCE CODE: UR/0063/65/010/005/0571/0578
AUTHOR: Guzman, I. Ya. (Candidate of technical sciences)
ORG: none
TITLE: Porous technical ceramics made of high-refractory oxides and carbides
SOURCE: Vsesoyuznoye khimicheskoye obshchestvo. Zhurnal, v. 10, no. 5, 1965, 571-578
TOPIC TAOS: refractory oxide, carbide, alumina, vacuum furnace, silicon carbide, ceramic material, heat insulation
ABSTRACT: . Heat-insulating refractory materials are widely used in heat equipment of different branches of technology. Chamottee
and dinas lightweights are highly effective heat-insulating mate-
rials; however, due to their moderate refractoriness (1610-1750°C) they cannot be used at temperatures higher than 1400-1500°C.
afforded by the use of high-alumina lightweight refractories landa
of natural and artificially high-aluming raw materials and also
the principal heat-insulating refractories based on magnesial raw materials. These types of articles, in several cases, do not meet
one Biowing requirements blaced on heat-inculating and heat and
to our a materials for high-temperature vacuum furnadas maakat
equipment, etc. Therefore, during the postwar years numerous Cord 1/3

67567

L 27425-66		
ACC NR: AP6017671		
studies have been made on the development of technology	on the m	
sound of surducure and properties of norous technicol com	amlan T	
based on pure high-reiractory oxides and carbides of sili.	202	
There are many methods of making ceramic materials porous	Three	
methods in general are applied in obtaining high-refractor	ry heat-	
insulating materials for porous end products: introduction	on of	
calcined additives with low ash content; addition to sus	pensions	
of ceramic materials of foaming agents or individual prepa	ared	
foam; gas formation through chemical reactions. Selection of the method of porous product manufacture depi		
the porosity required and the desired structure. To obtain	enas on	
rials with a 30% porosity, usually compositions based on a	in mate-	
granular narrow-fractionated filler bound by a high-disper	ellneled	
component of the same chemical composition are used. The	nanadti	
can be increased somewhat by replacement of the sintered i	filler	
grains with porous granules.		
grains with porous granules. Materials with a porosity up to 50-60% are obtained by the	method	
of introduction and subsequent combustion of calcined addi	tives.	
The highest porosity, all the way to 85-90%, is attainable	only	
when the foaming method or gas formation through chemical tions is used.	reac-	· · · · ·
JONS IS USED.		
	• a 1	
		•
Card 2/3		
	the state of the s	
	anerisen diriginationen anterioren a	W2MALLINE LIPOLL

CIA-RDP86-00513R000617720002-6

19477. ET 1. ET 1



APPROVED FOR RELEASE: 09/17/2001

ACC NR: AT6036926	SOURCE CODE:	UR/0000/66/000/060/0040/0053
AUTHORS: Poluboyarinov, D. N.; G	uzman, I. Ya.	
ORG: nong		
TITLE: Fundamentals of technolog properties	y of porous refractory	ceramics, its structure and
SOURCE: Nauchno-tekhnicheskoye o pravleniyo. Vysokoogneupornyye m Izd-vo Metallurgiya, 1966, 40-53		
TOPIC TAGS: porous foam ceramics product	, oxide ceramic, ceram	ic material, refractory
ABSTRACT: Preparation of porous, Al ₂ O ₃ , BeO, ZrO ₂ , MgO, SiO ₂ , SiC,		
properties as well as the effect tion of these materials were inves oxide, the porosity was produced sequent removal by reasting of lo in the wet phase by mechanical me employed in the first case, and r	tigated. To maintain by oither of two metho w-ash organic compound eans. Petroleum coke w	the high purity of each ds: 1) introduction and sub- ls; 2) formation of gas bubbles with ash content ~ 22 was
Card 1/2	•	

1634

INFID-CURE

CC NR: A	T6036926							:	
ion was uch as: oefficie	found bet volumetr nt of the l and ind	tween the ric mass, ermal expa	structures intrinsic nsion, com	of 0.20. of the pro porosity, c pressibilit s of these	duced porc coefficient cy. number	us ceramics of gaseous of thermal	and prop penetrat	perties Lion, etc.	
UB CODE:	11/ SI	JBM DATE:	02Nov65/	ORIG REF:	001				
					• •				
						. .	·		
/ .			•		2	·		•	
ard 2/2									

134

	and other and states on account south that is before a fit before builting	
ACC NRI AT6036930	SOURCE CODE: UN/0000/66/000/00082/009	1
AUTHORS: Nishanova, I. Ye.; Popil's	skiy, R. Ya.; <u>Guzman, I.</u> Ya.	
ORG: none		
TITLE: Manufacture of quartz glass a technology	articles by using methods employed in ceramics	
SOURCE: Nauchno-tekhnicheskoye obshq pravleniye. Vysokoogneupornyye materi Izd-vo Metallurgiya, 1966, 82-91	chostvo chernoy metallurgii. Moskovskoye ialy (Highly refractory materials). Moscow,	
TOPIC TAGS: quartz, glass, oxide cer	ramic, ceramic pressing, ceramic technology	
ceramic methods was investigated. The of I. Fleming (Am. Cer. Soc. Bull., 1 material consisted of 99.44% SiO ₂ . T surface area of 40 000 cm ² /g. The sp method of D. S. Sominskiy and G. S. K 1957, No. 29). The powder was compre	ing articles made of quartz glass by employing the investigation is an extension of the work 1961, 40, No. 12, 748750). The initial The material was pulverized and had a specific pecific surface area was determined after the Chodakov (Nauchnyye soobshcheniya VNIINSMa; essed at a pressure of 800 kg/cm ² and was fired	
tens were determined. The experiment	cage, density, and strength limit of the speci- al results are summarized in graphs and tables	·
ard 1/2		



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6



APPROVED FOR RELEASE: 09/17/2001

40%. The the above	t pH 34, optimum fi results, a	ring tempera pilot proje	ture was found and for the mat	uspension of A ad to be 1300 anufacture of Orig. art.)	11,000. refractor	On the basis y bricks has	of
SUB CODE:		SUBM DATE:	•	ORIG REF:			
1							
						:	
_	•.	•					
		· .	· · · · · /				
•	· .	•	4		•		
ord_2/2		•			•		



ISSEI7

			<u></u>	
ACC NR: AP7005512	(A) _{so}	URCE CODE: UR/0131,	/66/000/011/0033/0037	
AUTHOR: Poluboyarinoy, I	D. N.; Andrianov,	, N. T.; Guzman, I. Y	la.; Lukin, Ye. S.	
ORG: Moscow Chemico-Tec tekhnologicheskiy institut)	chnological Institu	ite im. D. I. Mendeley	ev(Moskovskiy khimiko-	,
TITLE: Evaporation of porc	ous oxide ceramic	es at elevated temporat	ures	
SOURCE: Ogneupory, no. 1	1, 1966, 33-37			
TOPIC TAGS: oxide cerami porosity	c, porous foam, c	ceramic, refractory pr	oduct, ovaporation,	
ABSTRACT: The thermoment ceramics have been previous yeva, 1965, t. 10, no. 5, s. rials for equipment with a hi evaporation, on which no info of Al_2O_3 , ZrO_2 , BeO and Ma	sly investigated ((571) but the suital gh vacuum or wit ormation has prev	Juzman, I. Ya. Zhurna bility of these ceramics h a neutral gaseous me viously been available.	I VKhO im. D. I. Mendel s as heat insulating mate- edium is also limited by To fill this gap, specime	e- -
foam method and by the method	nod of burnout of a	additives, were tested	for evaporation rate in	
Card 1/3		UDC: 666.764		
		 C. DAVID C. DAVID<		

ACC NR: AP7005512

||検護||「「「「「「「「」」」」

vacuum and in a helium atmosphere at 2073-2573 K by the method described by Lukin and Poluboyarinov (Ogneupory, 1964, no. 9, s. 418) for solid ceramics (since evaporation in porous bodies is difficult to determine, in this case conditional rate of evaporation, i.e. loss of weight per unit time per unit surface determined according to external dimensions of the specimen was used as the yardstick). Findings: given equal porosity, foam ceramics have a higher apparent porosity, a much lower gas permeability and smaller unit surface area than the ceramics prepared by the method of burnout of additives. The ratio K of effective surface area Seff to total S , which also includes the surface area of isolated pores, represents the part of surface area of pores from which evaporation occurs: $K = S_{eff}/S_t$. In this connection, on the basis of the obtained findings and their comparison with data on the evaporation of solid sintered specimens, empirical equations are derived for calculating the evaporation of porous pure-oxide ceramics without resorting to intricate experiments. Thus the evaporation rate of a ceramic of any porosity can be determined from the relation $G = \Delta g/S_{eff}t$, where Δg is the weight loss of the specimen, g; S_{eff} is the effective surface area, cm^2 ; t is the time of evaporation, sec. The higher the porosity and hence also the higher Seff is, the greater the weight loss Δg must be. A comparison of experimental and theoretical findings on specimens of Card 2/3

APPROVED FOR RELEASE: 09/17/2001

BR / H

• ACC NR: AP7005512	and an annual data distriction in a static of the static o	
varying porosity sho the method of their has: 2 figures, 3 ta	ows that K is constant for all types of ceramics and depends or fabrication, which determines the nature of their structure. ables.	ily on Orig. art.
SUB CODE: 11, 20/	SUBM DATE: nonc/ ORIG REF: 005	
· ·		
Card 3/3		


APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001

Þ



1991年1月19日1日日1月1日日

[Light-weight concrete; manufacture, properties, uses] [Translated from the French] Legkie betony; prigotovlenie - svoistva - primenenie. Red. M.P. Elinzona i I.A. IAkub, Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 145 p. (MIRA 11:7) (Lightweight concrete)

APPROVED FOR RELEASE: 09/17/2001

GUZMAN, M.A., red. izd-va; MOCHALINA, Z.S., tekhn. red.

师把构建出出的变计。1477

[Over-all mochanization and automation of the quarrying and dressing of natural wall stone] Kompleksnaia mekhanizatsiia i avtomatizatsiia dobychi i obrabotki prirodnogo stenovogo kamnia. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.i stroit. materialam, 1961. 117 p. (MIRA 14:12)

APPROVED FOR RELEASE: 09/17/2001

GAK, B.N., kand.tekhn. nauk; GERVIDS, I.A., kand. tekhn. nauk; GCNCHAR,
P.D., inzh.; VASIL'KOV, S.G., kand. tekhn. nauk; YEVNEVICH, A.V.,
kand. tekhn.nauk; KIPTENKO, A.K., inzh.; LUNDINA, M.G., kand.
tekhn.nauk; NAUMCV, M.M., kand. tekhn. nauk; PATRIK, S.A., inzh.;
POFOV, L.N., kand. tekhn. nauk; ROCOVOY, M.I., inzh.; SEDOV, V.G.,
inzh.; SOKOLOV, Yu.B., inzh.; FRANCHUK, K.O., inzh.; KHAYKIN,
V.Ya., inzh., nauchnyy red.; CHIBUNOVSKIY, N.G., inzh., nauchnyy
red.; NOKHRATYAN, K.A., red. [deceased]; <u>GUZMAN, M.A., red.</u>;
OURVICH, E.A., red.; BOROVNEV, N.K., tekhn. red.

[Handbook on the production of structural ceramics]Spravochnik po proizvodstvu stroitel'noi keramiki. Moskva, Gosstroiizdat. Vol.3.[Wall and roofing ceramics]Stenovaia i krovel'naia keramika. Pod red. M.M.Naumova i K.A.Nokhratiana. 1962. 699 p. (MIRA 16:1)

(Ceramics) (Building materials industry)

APPROVED FOR RELEASE: 09/17/2001 CIA-





APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6

GUZMAN, Z.I.

Prophylaxis of diseases in young farm animals. Veterinariia 39 no.5:37-39 My 162 (MIRA 18:1)

1. Zaveduyushchiy Klimovichskoy mezhrayonnoy veterinarnc-bakteriologicheskoy laboratoriyey, Belorusskaya SSR.

APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6

GUZOV, A. F. (Minsk)

Birth injury to the fetal spine (Survey of the literature). Arkh. pat. no.2:12-19 '62. (MIRA 15:2)

 Iz kafedry patologicheskoy anatomii (zav. - prof. Yu. V. Gul'kevich) Minskogo meditsinskogo instituta (dir. - dotsent A. A. Klyucharov)

(SPINE_WOUNDS AND INJURIES) (BIRTH INJURIES)

APPROVED FOR RELEASE: 09/17/2001

TRUBETSKOV, L., kand.tekhn.nauk; GUZOV, E., inzh. Remote control of electric locomotives. Radio no.2:27 F '63. (MIRA 16:2) (Remote control) (Electric locomotives)

> CIA-RDP86-00513R000617720002-6" APPROVED FOR RELEASE: 09/17/2001

ą

TRUBETSKOV, L.V.; GUZOV, E.S.

व्यस्य वर्ष

12 128-116

\$ 3

Introduction of apparatus for the remote control of electric locomotives at loading points in Gigant Mine. Sbor. nauch. trud. KGRI no.19:62-65 ¹62. (MIRA 16:5) KGRI no,19:62-65 '62.

(Krivoy Rog Basin-Mine railroads)

(Remote control)

(a) Fill define illenter entration for a substance in a substance in a substance in a substance of a substance o

APPROVED FOR RELEASE: 09/17/2001

IL'IN, Anatoliy Afanas'yevich; PELIPENKO, Viktor Nikolayevich; SHULIN, N.I., retsenzent; GUZOV, E.S., retsenzent; BYKHOVSKIY, Ya.L., otv. red. [Dispatcher communication using the contact network in mines] Dispetcherskaia sviaz' po kontaktnoi seti rudnikov. Moskva, Nedra, 1964. 163 p. (MIRA 18:3)

APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001

冠筆用

of ma-
im- xamples hining,
1
_

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

.

is avec a general and the second s

CIA-RDP86-00513R000617720002-6

GUZOV, L. A.

"Static and Dynamic Calculation of the Boom of the Walking Excavator ESh-4/40." Cand Tech Sci, Dnepropetrovsk Order of Labor Red Banner Metallurgical Inst imeni Stalin, Min Higher Education USSR, Dnepropetrovsk, 1954. (KL, No 3, Jan 55)

nie wird einen in meinigen berteine bereinen ber

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556, 24 Jun 55

APPROVED FOR RELEASE: 09/17/2001

医神经静脉 时

CIA-RDP86-00513R000617720002-6

AUZOV, M.Z.

Calculation of seepage in earthen dams having plastic cores. Dop. AN URSE no.6:425-428 '53. (MLRA 7:1)

1. Kiivs'kiy gidromeliorativniy institut. Predstaviv diysniy chlen Akademii nauk Ukrains'koi RSR 0. Yu. Ishlins'kiy. (Dams) (Soil percolation)

APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000617720002-6

64120V, M.2. /3130. Guzov, M. Z., Computition of seepage through earth dum with an apron and a cutoff (in Russian), Gidrotekb. Stroit. 22, 19, 31-32, 1953. Apron is an inclined core resting on upstream face; it is con-tinued by a vertical cutoff extending up to the impervious base. Author wishes to simplify for: ula [Ugindus, Moscow, 1940] involving cubic equation for intercept of stepage line with apron in case of full reservoir. Body of dam is homoseneous; apron is an thick and as permeable as cutoff. He equates amount of scepnge across apron plus cutoff to that through body of dam. He gets formula for intercept of extended scepage line with vertical through cutoff. Equation for seepage line is of the form $y = (a + bx)^{4}$. Reviewer finds treatment simple and much idealized as compared to cases met in practice. G. H. Beguin, Switzerland

APPROVED FOR RELEASE: 09/17/2001

General Content of the

Lisbort-tion: Mantifiltration werize for which which in **Perv**ise a solution word of a second structure of a second solution of a secon

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

CIA-RDP86-00513R000617720002-6 "APPROVED FOR RELEASE: 09/17/2001 的复数原始的复数形式使用的资料的资料。 1999年1月,1999年,1993年1月日(1993年),1993年,1993年,1993年,1993年,1993年,1993年,1993年,1993年,1993年,1993年,1993年,1993年,1993年,19

SOV/124-58-4-4326

Translation from: Referationyy zhurnal, Mekhanika, 1958, Nr 4, p91 (USSR)

AUTHOR: Guzov, M.Z.

Calculation of the Seepage Through Earth Dams With Considera-TITLE: tion of the Permeability of the Facing and the Upstream Apron (Filtratsionnyy raschet zemlyanykh plotin s uchetom vodopronitsayemosti ekrana i porura)

PERIODICAL: Tr. Kivevsk. gidromelior, insta, 1956, Nr 6, pp 115-118

The article gives a comparatively simple hydraulic method ABSTRACT: of seepage calculations through earth dams having permeable upstream aprovs and facings. By separate determination of the seepage quantities passing through the upstream apron. the tacing, and the permeable foundation, and by equating the sum of these quantities to the amount of seepage passing under the dam as determined from Dupuy's formula, the author obtains a quadratic equation involving the magnitude of the head under the end of the apron. Thereupon, the author receives a simple expression for the equation of the line of seepage which includes the abovementioned quantity. This calculation method is simpler than the other known methods for the seepage through similar Card 1/2

APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001

SOV/124-58-4-4326 Calculation of the Seepage Through Earth Dams With Consideration (cont.) structures. The reviewer notes that in his evaluation of the accuracy of his method the author uses experimental data from the Akulovo dam (Shankin, P.A., Calculation of the Seepage in Earth Dams, Moscow, Izd-vo M-va rechn. flota, 1947) and claims that his method gives the closest results as compared with measurements (error: 2.5%) while affording a considerable simplicity. However, in the work of the reviewer [A. A. Uginchus, Raschet fil' tratsii cherez zemlyanyye plotiny. (The Calculation of Seepage Through Earth Dams), Leningrad-Moscow, Stroyizdat, 1940] it was stated that the model of Akulovo dam had a partial cut-off wall 5.0 m deep; with the thickness of the permeable foundation layer of 13.0 m, this is an essential factor in the additional reduction of the head. Therefore, the theoretical methods should produce a certain overestimation of the ordinates when compared to the actual values obtained in presence of the additional resistance caused by the cut-off wall. Accordingly, the author's method, giving a 2.5% smaller ordinate, is not sufficiently accurate. However, its comparative simplicity is an asset. The reviewer also notes that the author has adopted from P.A. Shankin's work Table 1 which contains results of incorrect calculations. Bibliography: 7 references. 1. Dams--Physical properties 2. Water--Penetration A. A. Uginchus 3. Mathematics Card 2/2र्वे के बाद प्रस्तित के कि कि कि कि

APPROVED FOR RELEASE: 09/17/2001

PISHKIN, B.A. [Pyshkin, B.A.], otv.red.; ARISTOVSKIY, V.V. [Aristovs'ky1, V.V.], doktor tekhn.nauk, red.;; GUZOV, M.Z. [Huzov, M.Z.], kand.tekhn. nauk, red.; ZAGUMENNYY, O.G. [Zahumennyi, O.H.], red.; PECHKOVSKAYA, O.M. [Piechkovs'ka, O.M.], red.izd-va; MIL'OKHIN, I.D., tekhn.red.

> [Calculation of seepage through hydraulic structures; collection of scientific works] Fil'tratsiini rozrakhunky gidrotekhnichnykh sporud; zbirnyk naukovykh prats'. Kyiv, 1959. 161 p. (MIRA 13:2)

1. Akademiia nauk URSR, Kiev. Rada po vyvchenniu produktyvnykh syl URSR. 2. Chlen-korespondent AN URSR, golova Komisii po problemi kompleksnogo vikoristannya vodnikh resursiv URSR RPS AN URSR (for Pishkin).

(Hydraulic engineering--Tables, calculations, etc.)

APPROVED FOR RELEASE: 09/17/2001

and stime

제 공장

AP 150 39 75

अन्द्रध्यत्व अवश्वमध्यः १४ तृत्वन् ।

GUZMAN, Petr Abramovich; KUZNETSOV, V.I., prof., doktor tekhn.neuk, red.; VKRTINSKIY, N.S., red.; SAVCHENKO, Ye.V., tekhn.red.

[In the world of Soviet science and technology; through the halls of the Polytechnical Museum. Metallurgy, chemistry, and fuel] V mire sovetskoi nauki i tekhniki; po zalam Politekhnicheskogo muzeia. Metallurgiia, khimiia, toplivo. Pod red. V.I.Kusnetsova. Moskva, Isd-vo "Enanie," 1960. 42 p. (MIRA 14:1) (Metallurgy) (Chemistry)

APPROVED FOR RELEASE: 09/17/2001



APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

GUZOV, S. G.		PA 20/49T43	
	USSR/Engineering Pipe Lines Welding, Equipment	Sep 48	
	"High-Pressure Acetylene Pipes," S. G. I. I. Strizhevskiy, Cand Chem Sci, All- Inst of Antogenous Welding, 3 ¹ / ₂ pp	Guzov, Engr, Union Sci Res	
	"Avtogennoye Delo" No 9		
	Many acetylene generators working under 1.5 ats have recently been produced. is published in interest of accident pro- Treats subject under: (1) acetylene exp their causes, (2) detonation, (3) cata copper acetylenide, (5) formation of ca and (6) conclusions.	This article revention. plosions and lysts, (4) rystallohydrates,	
		20/49143	

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

CIA-RDP86-00513R000617720002-6

GURV, S. G.

ONVERN-FLIS COTTING OF HICH-CHRONIUM STRIL. G.B. Gugoy. (Avtogennes Delo, 1948, No. 13, pp. 24-25). (In Dissian). A very brief eccount is given of the method of cutting high-chronium steel with injection of flucly divided iren-rich flux into the gas stream for the removal of the refractory chronium oxide produced by the exidation of the steel.

Immediato source elipping

APPROVED FOR RELEASE: 09/17/2001

fr. 50/49**T**32 GUZOV, S. C. -"Avtogen Delo" No 5 all length and larger nozzles permitting steadler control by the operator who is consequently far-ther from the flame, increased economy in using a "starting rod" for preheating, and maneuverability Guzov, Engr, 2 pp oxygen and greater cutting ability, greater overperior to other models in having: larger stream of Torch RVP-49 for surface oxygenous cutting is su-"A.New Powerful Torch for Surface Cutting," S. G. USSR/Engineering USSR/Engineering Diagrams and performance chart. by placing fireproof steel wheels on the nozzles. retained, despite increased weight of the torch, Cutting (Contd) 50/49132 50/49132 May 45 May 49 An Marines An Mar 1311 1

CIA-RDP86-00513R000617720002-6

"APPROVED FOR RELEASE: 09/17/2001

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000617720002-6"

GUZOV, J. G.

27766. SLUTSKAYA, T. M. -- Khrupkost'zomy tormich skogo vliyaniya pri svarke malouglerodistoy stali. trudy po avtomat. svarke pod flynsom (in-t elektrosvarki im. patona), sl. 7, 1949 S. 3-12 --onovom standarte na rastvorenny atsetilem--Sm. 27769.

So: Letopis' Zhurnal'nykh Statey Vol. 37, 1949.

APPROVED FOR RELEASE: 09/17/2001