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L 54473-65 EWT(m)/EPF(n)-2/EWP(j)/T/EWP(t)/EWP(b) Pc-4/Pu-4 IJP(c)
JD/WW/JG/GS/RM

ACCESSION NR: AT5013650 UR/0000/65/000/000/0153/0156
543.253:540.791

AUTHOR: Paley, P. N.; Gusev, N. I.; Sklyarenko, I. S.; Chubukova, T. M.

TITLE: Polarographic determination of uranium in nitric acid media containing tri-n-butyl phosphate

SOURCE: AN SSSR. Otdeleniye obshchey i tekhnicheskoy khimii. Radiokhimicheskiye metody opredeleniya mikroelementov (Radiochemical methods for determining trace elements); sbornik statey. Moscow, Izd-vo Nauka, 1965, 153-156

TOPIC TAGS: polarography, uranium determination, tributyl phosphate, nitric acid concentration

ABSTRACT: The article points out the advantages of the polarographic determination of U(VI) in moderately concentrated (2.0 N) nitric acid solutions as compared to weakly acidic media (~0.3 N HNO_3). The presence of 0.02-0.035% gelatin eliminates the influence of tributyl phosphate (TBP) on the wave of U(VI) and raises the permissible concentration of Fe(III) to Fe:U = 5:1. When there is a considerable fluctuation of acidity (from 1.5 to 2.0 N HNO_3), the determination should be carried out after diluting TBP with a three- or five-fold volume of 1.75 N HNO_3. Moderately concentrated HNO_3 solutions are more convenient

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than dilute ones because the height of the polarographic wave obtained is nearly twice as great, and uranium can be determined in the presence of higher concentrations of impurities. The study indicates that the use of complex-forming media (e.g., oxalic acid, acetic acid, etc.) in the polarography of TBP solutions of U(VI) for the purpose of eliminating the interference of certain cations is greatly hindered by the pronounced influence of TBP in weakly acidic solutions (pH 2-5). Apparently, only those reagents can be used which react with U(VI) in acid solutions. Orig. art. has: 5 figures.

ASSOCIATION: None

SUBMITTED: 16Mar64 ENCL: 00 SUB CODE: IC, OP

NO REF SOV:001 OTHER: 001

2/2

Card

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.I.; SHMELEV, F.N.; FAYMAN, V.S.

Effect of first and second group cations on the kinetics of anode dissolving of copper in an acid electrolyte. Izv.vys. uchebzav.; khim.i khim.tekh. 8 no.4:587-591 '65.
(MIRA 18:11)

1. Moskovskiy institut narodnogo khozyaystva imeni Plekhanova, kafedra fizicheskoy i kolloidnoy khimii.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

KOVAL'CHUK, M.F., inzh., red.; GUSEV, N.M., prof., red.

[Construction specifications and regulation] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.2. Sec.A. ch.8.[Natural illumination; specifications for designs] Estestvennoe osveshchenie, normy proektirovaniia (SNiP II-A.8-62) 1962. 12 p. (MIRA 17:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Koval'chuk). 3. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR, Nauchno-issledovatel'skiy institut stroitel'noy fiziki Akademii stroitel'stva i arkhitektury SSSR (for Gusev).

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., redaktor

[Studies in structural physics; a collection of articles] Issledovaniya po stroitel'noy fizike; sbornik statey. Pod red. N.M.Guseva. Moskva, Gos. izd-vo stroit. lit-ry. 1949. 235 p.
(Structures, Theory of) (MLRA 10:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., KHOROSHILOV, G.I. i RUZINA, YE.K.

24024. Gusev, N.M. Khoroshilov, G.I. i Ruzina, Ye. K. Noviye Grintsipi Normirovaniya Po Stroit. Fizike. M.-L., 1940, S. 4-24

So: Letopis' No. 33, 1940

S. Gornoye Dolo

A. Obshchiye Voprosi

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N. M., ed.

Research work in the lighting engineering Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1952. 83 p. (54-18011)

TH7703.M7

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., professor, doktor tekhnicheskikh nauk.

[Glass in contemporary construction] Steklo v sovremennom stroitel'stve. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 117 p. (MLRA 6:5)

(Glass construction) (Glassmanufacture)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Nikolay Mikhaylovich; GUROV, S., redaktor; LIL'YE, A., tekhnicheskiy redaktor

[Cold light]O kholodnom svete. Moskva, Mosk. rabochii, 1956. (MIRA 10:4)
71 p.
(Lighting)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

SOV/112-59-5-10396

8(4)

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 5, p 279 (USSR)

AUTHOR: Gusev, N. M.

TITLE: Steps for Bettering Lighting in Residential Buildings

PERIODICAL: Tr. II Sessii Akad. str-va i arkhitekt. SSSR po vopr. zhil. str-va, 1957, M., 1958, pp 341-345

ABSTRACT: Data is reported that testifies to the fact that modern residential buildings poorly utilize daylight. It is pointed out that in order to use the natural light better, it is necessary to design window sizes according to existing SNiP standards and to secure the natural-illumination factor not less than 0.5% (?). Graphs are presented for determining window size depending on room size and on the obstruction from near-by buildings. It is also recommended that glass members be widely used in the construction of residential buildings; examples: polished 4-5-mm plate glass, hollow glass blocks, and glass channels. Efficient application of glass items will increase the useful floor area and help in cutting construction costs.

A.A.M.

Card 1/1

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., doktor tekhnicheskikh nauk, professor; SOLOV'YEV, S.P., kandidat tekhnicheskikh nauk.

Using glass and reinforced concrete elements. Stroi. prom. 35 no.5: 27-32 My '57. (MLRA 10:6)

(Glass construction)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M.

Improving the lighting of industrial buildings. Nauch.dokl. vys.shkoly; stroi. no.2:221-228 '59. (MIRA 13:4)

1. Rekomendovana kafedroy stroitel'noy fiziki Moskovskogo arkhitekturnogo instituta.
(Factories--Lighting)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M.

Current problems in architectural lighting. Izv.ASIA no.3:79-98 '59. (MIRA 13:6)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR.
(Lighting, Architectural and decorative)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., prof.

Architectural lighting at the Brussels World Fair of 1958.
Svetotekhnika 5 no.6:6-11 Je '59. (MIRA 12:8)

1.Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury.
(Brussels--Lighting, Architectural and decorative--Exhibitions)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M.

Light, color, and sound in the architecture of industrial buildings. Izv. ASiA no. 3:72-84 '60. (MIRA 13:12)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR.
(Factories--Lighting) (Architectural acoustics)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., prof.. Prinimal uchastiye KHOROSHILOV, P.I., starshiy nauchnyy sotrudnik. KOVAL'CHUK, M.F., inzh., red.; KLIMOVA, G.D., red.izd-va; EL'KINA, E.M., tekhn.red.; GOL'BERG, T.M., tekhn.red.

[Instructions for calculating and designing the natural lighting of buildings] Instruktsiia po raschetu i proektirovaniiu estestvennogo osveshcheniia zdanii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 59 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Gusev).
(Lighting, Architectural and decorative)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., SOKOLOV, M.V., doktor tekhn.nauk

Results of the 16th session of the International Commission on Illumination. Svetotekhnika 6 no.6:24-29 Je '60. (MIRA 13:7)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury (for Gusev).

(Electric lighting--Congresses)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M.

Lighting of industrial buildings having no natural light.
Svetotekhnika 6 no.9:22-24 S '60. (MIRA 13:9)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR.
(Factories--Lighting)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., doktor tekhn. nauk, red.; BUDARINA, E.M., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Transactions of the Second All-Union Conference on Radiation Climate] Trudy vsesoiuznoi konferentsii po svetovomu klimatu, 2d. Pod red. N.M.Guseva. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 94 p. (MIRA 14:8)

1. Vsesoyuznaya konferentsiya po svetovomu klimatu, 2d. 2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Gusev).
(Solar radiation—Congresses)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Nikolay Mikhaylovich; KALISH, V.G., arkh., nauchnyy red.; PAVLENKO, M.V., red. izd-va; TEMKINA, Ye.L., tekhn. red.

[Natural lighting of buildings] Estestvennoe osveshchenie zdanii. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 168 p. (MIRA 14:10)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Gusev).

(Lighting)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., doktor tekhn. nauk, red.; BUDARINA, E.M., red. izd-va; KASIMOV, D.Ya., tekhn. red.

[Problems of the operation of monitors and windows in industrial buildings] Voprosy ekspluatatsii fonarei i okon v promyshlennykh zdaniiakh; trudy. Pod red. N.M.Guseva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 93 p. (MIRA 15:5)

1. Vsesoyuznoye soveshchaniye po voprosam ekspluatatsii osteklenia proizvodstvennykh zdaniy, Moscow, 1960.
(Factories--Lighting)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M.

Natural lighting in industrial buildings. Izv. ASiA 4 no.2:26-35 '62. (MIRA 15:9)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR.

(Factories—Lighting)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M.; TEMCHIN, N.A., arkhitektor

Division of the territory of the U.S.S.R. into districts according to natural light conditions. Izv.ASiA 4 no.4:94-101 '62. (MIRA 16:1)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury (for Gusev).

(Lighting)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

VOL'KENSHTEYN, A.A.; GORODINSKIY, G.M.; GUREVICH, M.M.; GUREVICH, N.N.; GUSEV, N.M.; KOZLYANINOV, M.V.; LAZAREV, D.N.; LEVITIN, I.B.; MESHKOV, V.V.; POPOV, O.I.; SAMSONOVA, V.G.

Andrei Aleksandrovich Gershun. Svetotekhnika 8 no.12:1-3 D '62. (MIRA 16:1)

(Gershun, Andrei Aleksandrovich)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., prof.

Concerning the permanent supplementary artificial lighting of industrial buildings. Prom.stroi. 41 no.4:8-12 Ap '64. (MIRA 17:9)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.M., prof.

Setting standards for natural lighting in industrial buildings.
Prom. stroi. 42 no.9:30-33 S '64. (MIRA 17:6)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Nikolay Mikhaylovich, doktor tekhn. nauk, prof.; KLIMOV, Pavel Petrovich, kand. tekhn. nauk, dots.; NIKOL'SKIY, V.N., kand. tekhn. nauk, retsenzent; KLYUYEV, S.A., kand. tekhn. nauk, retsenzent; VASIL'YEV, B.F., kand. tekhn. nauk, nauchn. red.

[Physics in construction] Stroitel'naia fizika. Moskva, Stroiizdat, 1965. 225 p. (MIRA 18:4)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.N.; KAZANTSEV, Ye.A.

Electric-abrasive machining of parts in the manufacture of instruments. Priborostroenie no.11:22-24 N '60. (MIRA 13:11)
(Electric metal cutting)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Nikolay Nikolayevich; CHERNOUSOV, N.P., red.; FREGER, D.P., red. izd-va; GVIRTS, V.L., tekhn. red.

[Use of a rotating magnetic field for the rotor drive in the cleaning grinding, and polishing of internal pipe surfaces made of nonmagnetic materials]Primenenie vrashchaiushchegosia magnitnogo polia dlia privoda instrumenta pri ochistke, shlifovanii i polirovanii vnutrennei poverkhnosti trub iz nemagnitnykh materialov. Leningrad, 1962. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom Seriia: Elektricheskie metody, obrabotki materialov, no.6) (MIRA 15:12)

(Grinding and polishing)
(Magnetic fields--Industrial applications)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Nikolay Nikolayevich; KITAYEV, Ivan Georgiyevich; YURRE, Nil Andreyevich[deceased]; MOLCHANOV, A.A., retsenzent; TIMOFEYEV, V.P., retsenzent; DUBININ, P.S., red.

[Forestry] Lesovodstvo. Moskva, Lesnaia promyshlennost', 1965. 246 p. (MIRA 18:12)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

KAPLINSKIY, M.B., kand.med.nauk; BURGANSKIY, B.Kh., kand.med.nauk; KORTEV, A.I., kand.med.nauk; MALYARCHIKOVA, G.S.; ANAN'YEV, I.T.; GUSEV, N.P.; KARASEV, A.G.

Listerellosis infection in the Urals. Sbor.rab.Sverd.med.inst. no.32:73-78 '61. (MIRA 16:2)

1. Iz Okruzhnogo Sanitarno-epidemiologicheskogo otrayada (nachal'nik A.S.Mats) i kafedry infektsionnykh bolezney (zav. kafedroy - dotsent A.I.Kortev) Sverdlovskogo meditsinskogo instituta.

(URAL MOUNTAIN REGION--LISTERELLOSIS)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

MATS, A.S.; BURGANSKIY, B.KH.; BELYAYEV, P.A.; KAPLINSKIY, M.B.; BEZRUKOV, V.M.; KOPIT, Z.M.; GUSEV, N.P.

Features of the influenza epidemic of 1957 in the Urals and the adjacent areas; author's abstract. Zhur. mikrobiol. epid.i immun. 29 no.12:107-108 D '58. (MIRA 12:1)

(URAL MOUNTAIN REGION—INFLUENZA)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

BOGOMOLOV, B.A., red.; BARANOV, A.M., red.; MURONETS, I.I., red.; GUSEV, N.P., red.; PANKIN, A.V., red.; VACHAYEVA, Z.P., red.-leksikograf; VILENSKAYA, O.V., red.l-leksigogr.; ARTEMOV, L.V., red.-leksikogr.; YEREMINA, N.N., mlad. red.; VANSOVSKAYA, L.Ye., mlad. red.; CHEKRYZHOV, P.F., spets.red.; PLAKSHE, L.Yu., tekhn. red.

[German-Russian polytechnical dictionary] Nemetsko-russkii politekhnicheskii slovar'. Podgotovleno pri redaktsionnom uchastii izdatel'stva "Tekhnika" GDR. Moskva, Glavnaia red. inostrannykh nauchno-tekhn. slovarei Fizmatgiza, 1963. 812 p. (MIRA 17:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

LICHAK, S.K. [Litschak, S.K.]; GUSEV, N.P., red.; AKSEL'ROD, I.Sh., tekhn. red.

[German-Russian dictionary on internal combustion engines and gas turbine installations] Nemetsko-russkii slovar' po dvigateliam vnutrennego sgoraniia i gazoturbinnym ustanovkam. Moskva, Glav. red. inostr. nauchno-tekhn. slovarei Fizmatgiza, 1961. 319 p. (MIRA 14:10)

(German language—Dictionaries—Russian)
(Gas and oil engines—Dictionaries) (Gas turbines—Dictionaries)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

MALAKHOVSKIY, Yakov Emmanuilovich; GUSEV, N.P., red.; PLAKSHE, L.Yu., tekhn. red.

[German-Russian motor vehicle and tractor dictionary] Nemetsko-russkii avtotraktornyi slovar'. Moskva, Glav. red.inostr. nauchno-tekhn. slovarei Fizmatgiza, 1961. 323 p. illus. (MIRA 15:4)

(Motor vehicles--Dictionaries)
(German language--Dictionaries--Russian)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GRABOV, Isaak Naumovich; AKKERMAN, D.A., red.; BARANOV, A.M., red.; BOGOMOLOV, B.A., red.; GUSEV, N.P., red.; MURONETS, I.I., red.; POGREBNAYA, L.L., red.; KRYUCHKOVA, V.N., tekhn. red.

[German-Russian dictionary on welding] Nemetsko-russkii slovar' po svarke. Moskva, Glav.red.inostr. nauchno-tekhn.slovarei Fizmatgiza, 1962. 246 p. (MIRA 15:7)
(German language--Dictionaries--Russian)
(Welding--Dictionaries)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

VASIL'YEV, I.G., inzh.; VOLOBRINSKIY, S.D., kand. tekhn. nauk;
GUSEV, N.P., inzh.

Study of the heat resistance of contact wires. Vest. elektroprom. 34 no.3:45-49 Mr '63. (MIRA 16:8)

(Electric railroads—Wires and wiring)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.P., inzh.

Special features of the calculation of a three-phase line using the track circuit as one of the conductors. [Trudy] LIIZHT no.193:202-211 '62. (MIRA 15:12)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo transporta.

(Electric railroads--Current supply)
(Electric power distribution)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Nikolay Petrovich, prepodavatel'

Nonsymmetry of currents and voltages at the power takeoff points of an a.c. traction network. Izv. vys. ucheb. zav.; elektromekh. 4 no.9:79-94 '61. (MIRA 14:9)

1. Kafedra elektrosnabzheniya elektricheskikh zheleznykh dorog Leningradskogo ordena Lenina instituta inzhenerov zheleznodorozhnogo transporta imeni V.N. Obraztsova.
(Electric railroads--Current supply)
(Electric power distribution)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

VASIL'YEV, I.G., inzh.; VOLOBRINSKIY, S.D., kand.tekhn.nauk, dots.; GUSEV, N.P., inzh.; MOLOSNOV, N.F., inzh.

Automatic voltage regulators used in separating capacity from a.c. traction networks. Elek. i tepl.tiaga 2 no.4:9-11 Ap '58. (MIRA 12:3)

(Voltage regulators)
(Electric railroads--Wires and wiring)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

KUKSENKO, Fedor Nikitich, kand. sel'skokhozyayastvennykh nauk; GUSEV, N.P., red.; KOZLOV, S.V., tekhn. red.

[Two corn crops a year] Dva urozhaia kukuruzy v god. Alma-Ata, Kazakhskoe gos. izd-vo, 1956. 22 p. (MIRA 11:7)
(Kazakhstan--Corn (Maize))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N. S.; IVANOVA, Z. M.; KONSTANTINOV, I. Ye.

"The Gamma Spectrometer with Anti-Coincidence Scintillation Shielding."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

MIFI (Moscow Engineering Physics Inst)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

L 1166-66 EWT(m)/EPF(c)/EWP(j) DIAAP RM

ACCESSION NR: AT5023152 UR/2892/65/000/004/0078/0082

AUTHOR: Gusev, N. S. ; Ivanova, Z. M. ; Konstantinov, I. Ye.

TITLE: Anticoincidence gamma spectrometer with shielded scintillator

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Voprosy dozimetrii i zashchity ot izlucheniy, no. 4, 1965, 78-82

TOPIC TAGS: gamma spectrometer, scintillation spectrometer, shielding, gamma ray, cesium, zinc, particle counting

ABSTRACT: The article gives a schematic diagram of a modern gamma spectrometer with shielded scintillator. The crystal analyzer (NaI(Tl) and the photomultiplier are located inside the shielded scintillator. Since the dimensions of the shielded scintillator are usually large (sometimes more than 50 cm), several photomultipliers are generally used to collect light and the amplitudes of their impulses are added. The anticoincidence scheme is governed by a multichannel amplitude analyzer. Impulses from the NaI (Tl) crystal are analyzed only when

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ACCESSION NR: AT5023152

there is no impulse from the external scintillator. This construction makes it possible to eliminate from the spectrum of the NaI (Tl) crystal impulses due to gamma quanta, which are scattered from the crystal because of the Compton effect and which interact with the shielded scintillator. In the experiments described a liquid shielded scintillator was used- to toluene with terphenyl (5 grams/liter) plus POPOP (0.1 gram/liter). The scintillation solution (about 130 liters) was located in a steel container 58 cm in diameter and 52 cm high and the well had a diameter of 17 cm and a height of 32 cm. To explore the suppression of the distribution components, lines were obtained for gamma rays of Cs^{137} (0.661 Mev)and Zn (1.12 Mev). Each measurement was repeated twice, once under anticoincidence conditions and once under the operating conditions of an ordinary single crystal gamma spectrometer. In the case of the Cs^{137} spectrum with the anticoincidence method, Compton distribution decreased by 2.3 times, while for Zn^{65} it decreased by 2.7 times. Measurements were made of the background with energies from 0 to 1.2 Mev with a single crystal spectrometer and under anticoincidence conditions- the breadth of the analyzer channel was 12 kev. In this spectral region, the background decreased 1.8 times under anticoincidence conditions. Orig. art. has: 4 figures

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

L 1166-66

ACCESSION NR: AT5023152

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: NP

NR REF SOV: 000 OTHER: 009

Card 3/3

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

ZHELEZNYKH, A.M.; GUSEV, N.V.

Dust suppression in the mine atmosphere. Shakht. stroi. no.7:28-29 '58. (MIRA 11:9)

1. Nauchno-issledovatel'skiy sektor Kombinata Kuzbasshakhtostroy. (Mine dusts) (Dust--Removal)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

Gusev, N. V.

AID P - 4315

Subject : USSR/Engineering

Card 1/1 Pub. 128 - 15/26

Author : Gusev, N. V., Engineer

Title : Cutting of openings without the use of a matrix in upsetting operations on horizontal-forging machines.

Periodical : Vest. mash., #3, p. 52-54, Mr 1956

Abstract : The author outlines the method of hole-punching in upsetter forgings accomplished without the use of a matrix which makes the production more economical and wastes less material. Diagrams.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.V.

GUSEV, N.V.

Efficient hole boring method. Shekht.stroi. no.10:23-24 O '57. (MIRA 10:12)

(Boring)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

SOV/122-59-2-30/34

AUTHOR: Gusev, N.V., Docent

TITLE: Contribution to the Problem of Upsetting Components from Tubular Stock (K voprosu vysadki detaley iz trub)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 2, pp 82-83 (USSR)

ABSTRACT: Referring to a paper by I.F.Golovnev in Vestnik Mashinostroyeniya, 1958, Nr 5, who recommended the hot upsetting of small batches of components from extruded tubular and profile stock, the present author questions the practicability of the processes described. Rapid cooling of the stock will interfere with proper forging. The length of the stock subject to upsetting has been left out of account. The formation of flash has been ignored. In practice, the upsetting from tubular stock is limited to short components with a small degree of thickening by upsetting as well as components produced by expanding the tubular end.

Card 1/1

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.V.

Devices and mechanisms improving the safety of miners. Bezop.truda v prom. 4 no.4:25-29 Ap '60. (MIRA 13:9)

1. Kombinat Kuzbasshakhtostroy.
(Kuznetsk Basin--Coal mines and mining--Safety measures)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, S.I.; KUMOV, V.I.; SOKOLOVA, Ye.V.

Use of β-hydroxy-α-naphthoic aldehyde in analytical chemistry. Trudy kom. anal. khim. 11:82-86 '60. (MIRA 13:10)

1. Permskiy meditsinskiy institut.
(Naphthaldehyde)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

KLIMENKO, S.M.; STEPANOV, A.N.; GUSEV, N.V.

Cryostat for obtaining thin sections from non-fixed tissue, frozen with freon-12. Vop. virus. 5 no. 1:106-108 Ja-F '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva. (MICROTOME)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.V.; ALEKSEYEV, V.P.

Experimental ring forging on an upset forging machine [GKM] in two coaxial passes. Kuz.-shtam.proizv. 4 no.8:6-8 Ag '62. (MIRA 15:8)

(Forging machines)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV N.V.

AID Nr. 990-6 14 June

SCIENTIFIC-TECHNICAL CONFERENCE ON MODERN GYROSCOPE TECHNOLOGY (USSR)

Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye, v. 6, no. 2, 1963, 156-158. S/146/63/006/002/010/010

The Fourth Conference on Gyroscope Technology, sponsored by the Ministry of Higher and Secondary Special Education RSFSR, was held at the Leningrad Institute of Precision Mechanics and Optics from 20 to 24 November 1962. The conference was attended by representatives from 93 organizations in 30 Soviet cities, including educational establishments, scientific research institutes, design bureaus, and industrial concerns. The following are some of the topics covered in the 92 papers presented and discussed at the conference. Vibrations of a gyroscope pendulum with a movable suspension in a nonuniform gravitational field: M. Z. Litvin-Sedoy, Senior Scientific Worker; improving dynamic characteristics of some gyro instruments and devices: A. V. Reprikov, Docent, Candidate of Technical Sciences; some problems of the dynamics of a gyroscope with an electric drive installed in a gymbol suspension: S. A.

Card 1/3

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

AID Nr. 990-6 14 June

SCIENTIFIC-TECHNICAL CONFERENCE [Cont'd] S/146/63/006/002/010/010

Kharlamov, Engineer; problems of the theory of the inertial method for measuring aircraft acceleration: I. I. Pomykayev, Docent, Candidate of Technical Sciences; determining the drift of a floated-type integrating gyroscope without the use of a dynamic stand: G. A. Slomyanskiy, Docent, Candidate of Technical Sciences; natural damping of nutational vibrations of a gyroscope: N. V. Gusev, Engineer; motion of a not quite symmetrical gyroscope pendulum with vertically movable support: A. N. Borisova, Aspirant; gyroscope-type inclinometer for surveying vertical freezing wells: V. A. Sinitsyn, Candidate of Technical Sciences; effect of joints between channels in triaxial gyro-stabilized platform: L. N. Slezkin, Engineer; theoretical proposal for the possible design of a generalized gyro instrument: M. M. Bogdanovich, Docent, Candidate of Technical Sciences; problem of drift in a power-type triaxial gyro stabilizer: V. N. Karpov, Engineer; methods of modeling random disturbances in gyro systems: S. S. Shishman, Senior Engineer; method of noise functions for investigating a system subjected to random

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

AID Nr. 990-6 14 June

SCIENTIFIC-TECHNICAL CONFERENCE [Cont'd] S/146/63/006/002/010/010

signals: G. P. Molotkov, Docent, Candidate of Technical Sciences; drifts in a gyro-stabilized platform as a result of the effect of cross joints under determined and random disturbances: B. I. Nazarov, Docent, Candidate of Technical Sciences; stability and natural oscillations in inhomogeneously rigid gyro systems with backlash under external influences: S. A. Chernikov; methods of designing a gyro vertical with automatic latitude and course corrections: A. V. Til', Candidate of Technical Sciences; use of asymptotic methods in solving problems of the motion of an astatic gyroscope in gymbol suspension: D. M. Klimov, Candidate of Physical and Mathematical Sciences, and L. N. Slezkin; theory of aperiodic gyro pendula: V. S. Mochalin, Docent, Candidate of Technical Sciences; and selecting basic parameters of course gyros by using nomograms: V. P. Demidenko, Engineer. [AS]

Card 3/3

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

BR

ACCESSION NR: AP4037471 S/0146/64/007/002/0115/0123

AUTHOR: Gusev, N. V.

TITLE: Natural damping of nutation oscillations in a free gyroscope

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 2, 1964, 115-123

TOPIC TAGS: gyroscope, gyro, free gyro, nutation, nutation oscillation, free gyro nutation oscillation

ABSTRACT: For a long time, it has been assumed that the nutation oscillations of a free gyro damp rather quickly due to friction in the gimbal supports. The article considers differential equations of the free motion of such a gyro mounted on a fixed platform and develops this formula for the damping factor:

$K = -\frac{2I}{\pi}\omega \ln \Pi$, where I is the moment of inertia of the external gimbal with an allowance for the internal gimbal and the gyro rotor, Π is the transient overcontrol, and ω is the nutation frequency. The nutation damping was studied on a

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ACCESSION NR: AP4037471

free gyro with a type GM-4 spin motor supplied at 50, 400, and 500 cps. It is found that: (1) The observed natural damping of nutation cannot be accounted for by the gimbal friction moments or by the surrounding air resistance; (2) The damping, apparently, is determined by the friction due to micromovements in the spin motor joints; the movements are caused by gyroscopic and inertial moments; (3) Other things being equal, the nutation damping increases with the increase of the kinetic moment and with the decrease of the equatorial rigidity of the connection between the rotor flywheel and the gyrochamber. Orig. art. has: 5 figures, 25 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 28Feb63 DATE ACQ: 05Jun64 ENCL: 00

SUB CODE: AC NO REF SOV: 001 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.V., tekhnik

Increasing the rate of mining galleries in the Kuznetsk Basin. Shakht. stroi. 5 no.7:5 Jl '61. (MIRA 15:6)

1. NIS-7 Kombinata po shakhtnomu stroitel'stvu Kuznetskogo kamennougol'nogo basseyna.
(Kuznetsk Basin--Coal mines and mining)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, N.Z.

2

1313. LOW TEMPERATURE CARBONIZATION OF GUSINOE OZERO COALS WITH A SOLID HEAT CARRIER. Perepelitsa, A.L. and Gusev, N.Z. (Trud. Vost. Sib. Fil. Akad. Nauk SSSR (Proc. E. Sib. Branch Acad. Sci. U.S.S.R.), 1956, (9), 58-63; abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1957, (3). Experiments were carried out with a 3-5 mm fraction in a plant in which the coke itself was used as the heat carrier. The process takes 15 min., and the volatiles are removed in the first 5-6 min. The gas obtained has a calorific value of 3500-4000 Kcal/cu.m. The quantity and quality of the gas were examined at different process temperatures. The coal did not cake with the heat carrier. A formula for the consumption of the heat carrier was confirmed experimentally.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

PEREPELITSA, A.L.; GUSEV, N.Z.

Thermal treatment of the Gusinoye Ozero coal with a solid heat carrier in a mobile bed. Trudy BKNII no.5:43-50 '61. (MIRA 18:2)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

PEREPELITSA, A.L.; GUSEV, N.Z.

Determining time required to heat standardized samples formed out of Cheremkhovo coal. Izv.Sib.otd.AN SSSR no.11:59-69 '58. (MIRA 12:2)

1. Vostochno-Sibirskiy filial AN SSSR.
(Coal--Testing) (Coke industry)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

PEREPELITSA, Aleksandr Lavrovich; GUSEV, Nikolay Zakharovich; BRUK, A.S., prof., doktor tekhn. nauk, otv. red.; BANKVITSER, A.L., red.; POLENOVA, T.P., tekhn. red. MAKAGONOVA, I.A., tekhn. red.

[Use of solid heat carriers in a flow sheet for the continuous coking of Irkutsk Basin coals] Primenenie tverdogo teplonositelia v skheme nepreryvnogo koksovaniia uglei Irkutskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 143 p. (MIRA 16:4)

(Irkutsk Basin--Coal) (Coke ovens)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O. [Husiev, O.]; RUSAK, A.

Lvov regional economic council reports. Nauka i zhyttia no.11:40-42 N '61. (MIRA 14:12)

1. Obshchestvennyye korrespondenty zhurnala "Nauka i zhittya". (Ukraine--Technological innovations)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

EWT(1)

ACC NR: AT6031763

SOURCE CODE: UR/3092/66/000/004/0136/0143

AUTHOR: Gusev, O. A.

ORG: none

TITLE: Series-parallel inverter for feeding tuned circuits

SOURCE: Moscow. Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury. Elektrofizicheskaya apparatura, no. 4, 1966, 136-143

TOPIC TAGS: electromagnet, synchrotron, ion inverter, charged particle, accelerator

ABSTRACT: A description of an inverter with a switching capacitor connected in series with the load is presented. This system is free of many shortcomings associated with the conventional series inverter which has a choke at the middle point. The investigation showed that the circuit parameters may be selected in such a way that the switching of the inverter current may be achieved by the discharge of a single series capacity. Under these conditions, the inverter may operate without a leading firing angle and can easily feed a tuned circuit without special circuitry. Its operation in transient state is also stable. Unlike the conventional series inverter with the choke at the middle point, the proposed inverter may operate in oscillatory as well as in aperiodic modes. This extends the choice of circuit element parameters. An experimental version of the inverter was tested in a system for powering the electro-

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

ACC NR: AT6031763

magnet of a synchrotron. The output power of this inverter was 350 kilowatts. Current and voltage oscillograms obtained during the tests are presented. Orig. art. has: 12 formulas, 3 figures.

SUB CODE: 09,20/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 003

Card 2/2 egr

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

L 07921-67 EWT(1)/EWT(m) IJP(c)

ACC NR: AT6031762 SOURCE CODE: UR/3092/66/000/004/0123/0135

AUTHOR: Belyak, A. Ya.; Gusev, O. A.; Nechayev, A. G.; Rezchikova, N. S.

ORG: none

43
B+1

TITLE: Controlling the magnetic field derivative during injection into a synchrotron

SOURCE: Moscow. Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury. Elektrofizicheskaya apparatura, no. 4, 1966, 123-135

TOPIC TAGS: synchrotron, magnetic field intensity, magnetic field stabilization

ABSTRACT: The physical basis for controlling the magnetic field derivative, the method for controlling this derivative, the variation in this derivative as a function of circuit parameters, the selection of circuit parameters, and the methods of stabilizing the derivative are established and verified experimentally by means of a model. The model consisted of a charging network, a discharging network and a system for stabilizing the voltage of the storage capacitor. The model was tested both in the stationary and transient state. The results of the experiment showed that in order to obtain a discharge current pulse with an amplitude of 210 amp, the maximum for the model, the storage capacitor must be charged to a voltage of 2500 v while the voltage of the charging transformer reaches a value of 220 v. A stable operation of the system was obtained by varying the damping resistance in the range from 40 to 400 ohms when the

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

L 07921-67

ACC NR: AT6031762

model was powered by line voltage. Oscillograms of the transient process show that after the circuit is turned on, a steady state is established after 7-8 periods. The stabilization system becomes active during the 6th period. The results of the investigation showed that the equations derived and used to compute the circuit parameters of the model are valid. Orig. art. has: 7 figures, 18 formulas.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 004

Card 2/2 vmb

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

L 07193-67 EWT(1)

ACC NR: AT6031764 SOURCE CODE: UR/3092/66/000/004/0144/0159

AUTHOR: Gusev, O. A.; Rezchikova, N. S.

ORG: none

29

B+1

TITLE: Transient processes in an ion inverter operating with a tuned circuit

SOURCE: Moscow. Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury. Elektrofizicheskaya apparatura, no. 4, 1966, 144-159

TOPIC TAGS: synchrotron, ion inverter, switching circuit, Mev accelerator

ABSTRACT: An analysis is presented of transient processes in a parallel ion inverter with the natural switching of current and in an inverter with an artificial current switching element in the form of a tuned circuit. The method described was used to compute the transient processes in the power system of the 280 Mev synchrotron at the FIAN (institute). The nature of the curves associated with the transient processes shows that 1) during operation with a high Q tuned circuit, the envelope of the transient process in the inverter has an oscillatory nature; 2) in the inverter with natural commutation, the amplitudes of transient currents and voltages have a slightly larger value compared with the corresponding values in the inverter with an artificial switching element; 3) the maximum overshoot in both systems is exhibited by currents in the cathode reactor circuit during the first half cycle of the oscillatory

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

L 07293-67

ACC NR: AT6031764

transient process; 4) in the inverter with the artificial switching element the graph of the voltage on the switching capacitor coincides with the graph of the current in the cathode reactor circuit; 5) when utilizing devices to improve commutation without affecting the transient proccess; they must be designed on the basis of maximum transient current switching since this current may be substantially greater than the current in the steady state mode. The results of the analysis present a sufficiently complete explanation of phenomena associated with the disruption of inverter switching current during transient operation. Orig. art. has: 34 formulas, 3 figures.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 004

Card 2/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.A.; LEBEDEV, A.P.; SHUKEYLO, I.A.

Electromagnetic deflector for electron extraction from a synchrotron. Elektrofiz. app. no.2:120-130 '64.

(MIRA 18:3)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

ACCESSION NR: AT5015938 UR/3092/65/000/003/0076/0085

AUTHOR: Gusev, O. A.

TITLE: Using an artificial commutation in a parallel ion inverter which supplies a resonant circuit

SOURCE: Moscow. Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury. Elektrofizicheskaya apparatura: sbornik statey, no. 3, 1965, 76-85

TOPIC TAGS: ion inverter, electron synchrotron

ABSTRACT: Parallel-type ion inverters supplying the resonance circuit of the electromagnet of an electron synchrotron have these drawbacks: (1) A special starting circuit is required for turning on the inverter; (2) Low power factor because of the voltage-current phase shift at the inverter output; (3) Instability of inverting under transient conditions when the lead angle is small. Three auxiliary artificial-commutation circuits are suggested to eliminate the above

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ACCESSION NR: AT5015938

drawbacks. Two of them comprising thyristors, capacitors, and auxiliary rectifier(s) are suitable for lower (20—30 cps) frequencies; the third circuit, requiring only a midtap reactor and a capacitor, is considered simpler, more reliable, and suitable for 50-cps operation. Circuit diagrams and design formulas are supplied. Orig. art. has: 3 figures and 15 formulas.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: NP, EC

NO REF SOV: 003 OTHER: 000

Card 2/2

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L 45394-65 EEC(b)-2/EWA(h)/EWT(1) Pl-4/Peb

ACCESSION NR: AP5010859 UR/0286/65/000/007/0033/0033

AUTHOR: Gusev, O. A.

TITLE: A device for shaping rectangular current pulses. Class 21, No. 169560

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 33

TOPIC TAGS: pulse shaper

ABSTRACT: This Author Certificate presents a device for shaping rectangular current pulses (see Fig. 1 on the Enclosure). The device includes a correcting ladder network and, connected to the power supply source, a shaping line with distributed parameters. The shaping line is connected through a controlled rectifier to the primary winding of the pulse transformer. The secondary winding of the pulse transformer is loaded by an impedance. In order to reduce the power losses in the correcting network and to increase the steepness of the leading and trailing edges of the shaped pulse, the correcting network is made in the form of a reservoir capacitor connected with the direct current source through a charging rectifier and an inductance. The reservoir capacitor is connected through the control discharge rectifier to the supplementary winding of the pulse transformer which is arranged on the auxiliary core. The pulse transformer is shunted by a

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L 45394-65

ACCESSION NR: AP5010859

second controlled rectifier. The secondary winding of this pulse transformer encompasses both the basic and the auxiliary cores. Orig. art. has: 1 figure.

ASSOCIATION: Organizatsiya gosudarstvennogo komiteta elektronnoy tekhniki SSSR (Organization of the State Committee of Electronic Engineering, SSSR)

SUBMITTED: 18Jul63 ENCL: 01 SUB CODE: EC

NO REF SOV: 000 OTHER: 000

Card 2/3

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

L 45394-65

ACCESSION NR: AP5010859

ENCLOSURE:

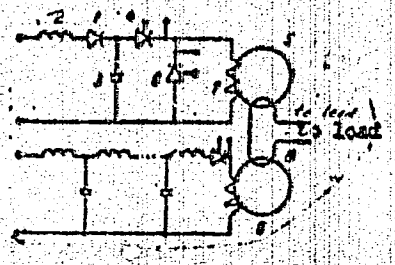

Fig. 1. 1- charging rectifier; 2- inductance; 3- reservoir capacitor; 4- discharging rectifier; 5- auxiliary core; 6- controlled rectifier; 7- supplementary winding of the transformer; 8- secondary winding; 9- basic core

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Caddis flies of northeastern Lake Baikal. Priroda 45 no.12:105-106 D '56. (MLRA 10:2)

1. Barguzinskiy zapovednik.
(Baikal, Lake--Caddis flies)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

The "Podlemorye" Preserve. Priroda 46 no.7:63-70 Jl '57. (MLRA 10:8)

1. Barguzinskiy gosudarstvennyy zapovednik (Buryat-Mongol'skaya ASSR) (Barguzin Preserve)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

SOV/26-59-3-23/47

AUTHOR: Gusev, O.K.

TITLE: Ant-Hills on the Ushkaniy Islands

PERIODICAL: Priroda, 1959, Nr 3, pp 105 - 106 (USSR)

ABSTRACT: In the northern part of Lake Baykal, opposite the peninsula Svyatoy Nos, there are 4 islands of the Ushkaniy archipelago. V.V. Lamakin was the first to call attention to the unusual number of ants inhabiting the Bol'shoy Ushkaniy Island. The author visited the island in the summer and winter of 1957, together with A.F. Tatarinov, a laboratory assistant of the scientific station of the Barguzin Reservation. The entire island has an area of 9 square km and the number of ant-hills is at least 6,000 to 7,000. There is 1 photograph and 1 Soviet reference.

ASSOCIATION: Barguzinskiy zapovednik (Barguzin Reservation)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Materials on the study of natural characteristics connected with the life of hot springs in the northern Baikal region. Kraeved.sbor. no.4:72-83 '59. (MIRA 13:7)

(Baikal region--Springs)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Oleg Kirillovich, zoolog; SHAFIROVA, A.S., red.; PECHERSKAYA, T.I., tekhn. red.

[From the Barguzinskiy Reservation to the Ushkan'i Islands; traveler's notes] Ot Barguzinskogo zapovednika do Ushkan'ikh ostrovov; zapiski puteshestvennika. Irkutsk, Irkutskoe knizhnoe izd-vo, 1960. 126 p. (MIRA 14:6)

1. Vostochno-sibirskiy filial AN SSSR (for Gusev)
(Malyye Ushkan'i Islands--Discovery and exploration)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Brown bear in the Baikal Region. Priroda 49 no.11:60-62 N '60. (MIRA 13:11)

1. Vostochno-Sibirskiy filial AN SSSR, Irkutsk.
(Baikal region--Bears)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Birds of Ushkan'i Islands. Ornitologiia no.3:226-233 '60. (MIRA 14:6)

(Malyye Ushkan'i Islands—Birds)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Nesting of birds on the islands of Chivyrkuy Bay and Lake Rangotuy. Trudy Vost.-Sib.fil.AN SSSR no.23:69-88 '60. (MIRA 14:6)
(Chivyrkuy Bay--Birds--Eggs and nests)
(Rangotuy, Lake--Birds--Eggs and nests)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Significance of windfall in the life of the sable. Trudy Vost.-Sib.fil.AN SSSR no.23:107-118 '60. (MIRA 14:6)
(Baikal Lake region—Sables)
(Animals, Habits and behavior of)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Ornithological observations in the northern Lake Baikal region. Ornitologiia no.5:149-160 '62. (MIRA 16:2)
(Baikal Lake region—Birds)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Oleg Kirillovich; DOBRONRAVOVA, K.O., red.

[In the mountains of the northern Lake Baikal Region; a traveler and naturalist's notes] V gorakh Severnogo Pribaikal'ia; zapiski puteshestvennika-naturalista. Moskva, Mysl', 1964. 141 p. (MIRA 17:10)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K.

Materials on determining fur qualities of the Buryat sable. Trudy BKNII no.5:164-175 '61. (MIRA 18:2)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUS[illegible]

[illegible] on the ornithofauna of the Baikal Lake region. Ornitologia [illegible]:487-491 '65. (MIRA 18:10)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.K. (Moskva)

Let's preserve the bird colonies of Lake Baikal. Priroda 53 no.6:77-80 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, O.V.

Minimum staff gauge. Meteor. i gidrol. no.3:50-52 Mr '56.
(Stream measurements) (MLRA 9:7)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, Oleg Vladimirovich; DERYUGINA, V.N., red.; BRAYNINA, M.I., tekhn. red.

[Ice crossings] Perepravy po l'du. Leningrad, Gidrometeor. izd-vo, 1961. 16 p. (MIRA 15:1)

(Ice crossings)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

AGAFONOV, S.L.; ALEKSEYEVA, A.N.; BELLYUSTINA, L.N.; GOLOV, I.I.; GUSEV, O.V.; DMITRIYEVA, V.I.; YEVLAMPIYEVA, F.A.; YELISEYEV, A.I.; ZHAVORONKOV, N.A.; ZHARKOV, S.A.; KIR'YANOV, I.A.; KRAYNOV, L.A.; KUSTOV, K.L.; LEOV, F.A.; LIPATOV, N.A.; LIPOVETSKIY, I.A.; MALYUGIN, V.N.; MARINOV, N.N.[deceased]; MIKHAYLOV, A.N.; POTAPOVA,Ye.D.; TRUKHMANOV, G.A.; UKHIN, V.A.; FILIPPOV, V.A.; CHEBURASHKIN, A.M.; SHKOTOV, A.T.; GARANINA, L.F., kand. fil. nauk

[The city of Gorkiy; a guidebook] Gorod Gor'kii, Volgo-Viatskoe knizhnoe izd-vo, 1964. 374 p. (MIRA 17:12)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

VEDYUSHKIN, G.A. (Novosibirsk); GUSEV, O.Z. (Novosibirsk); DANILEVSKIY, Yu.L. (Novosibirsk); LITVINCHUK, V.I. (Novosibirsk); STERELYUKHINA, L.N. (Novosibirsk)

Measurement of differential magnetic susceptibility of ferromagnetic films. Avtometriia no.3:122-126 '65. (MIRA 19:1)

1. Submitted Feb. 15, 1965.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

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L 47056-66 EWT(d)/EWT(1)/EWT(m)/EWP(v)/EWP(t)/ETI/EWP(k)/EWP(b)/EWP(e) IJP(c)
ACC NR: AP6015326 JD/GG (N) SOURCE CODE: UR/0410/65/000/003/0122/0126

AUTHOR: Vedyushkin, G. A. (Novosibirsk); Gusev, O. Z. (Novosibirsk); Danilevskiy, Yu. L. (Novosibirsk); Litvinchuk, V. I. (Novosibirsk); Sterelyukhina, L. N. (Novosibirsk)

ORG: none

TITLE: Measuring the differential magnetic susceptibility of ferromagnetic films [Paper presented at the Sixth All-Union Conference on Automatic Control and Electrical Measurement Methods held in Novosibirsk in September 1964]

SOURCE: Avtometriya, no. 3, 1965, 122-126

TOPIC TAGS: magnetic susceptibility, ferromagnetic film, magnetic field measurement

ABSTRACT: The authors describe a simple method for measuring and analyzing experimental curves of differential magnetic susceptibility of a ferromagnetic film at various relative orientations of the external fields, the pick-up loop, and the anisotropy axis of the film. The method employs a special assembly in which the film is acted on by low (50 cps) and high (60 to 180 Mc) frequency fields. The unbalanced signal received at the output of the HF bridge balancing system is proportional to the differential magnetic susceptibility of the film. The HF signal is amplified, filtered, and detected, then passed through an LF amplifier into the vertical input

Card 1/2 UDC: 621.317.41

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L 47056-66

ACC NR: AP6015326

of an oscillograph. Phase correction is provided. Sensitivity level of the instrument permits reception of signals from films 0.05-μ thick, at a spot 1 mm in diam. Use of the HF field makes it possible to reduce the number of amplification stages and to operate with a single pick-up loop. In conclusion, the authors thank Cand. of Tech. Sci. V. L. Dyatlov for the statement of the problem and assistance in the work. Orig. art. has: 5 figures and 8 formulas.

SUB CODE: 20/ SUBM DATE: 15Feb65/ ORIG REF: 003/ OTH REF: 002

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, P.

Strengthen the ties between educational institutions and industry. Avt. transp. 36 no.11:45-46 N '58. (MIRA 11:11)

1. Zamestitel' direktora po uchebnoy chasti Novocherkasskogo avtodorozhnogo tekhnikuma.
(Education, Cooperative)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

MATSYNIN, M.; GUSEV, P.

Results of the reorganization of training. Avt.transp. 40 no.1: 46-47 Ja '62. (MIRA 15:1)

1. Novocherkasskiy avtodorozhnyy tekhnikum.
(Novocherkassk--Technical education)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, P.; RAKITIN, N.

Not a parade, but an inspection. Voen. znan. 41 no.3:24-25 Mr '65. (MIRA 18:5)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8

GUSEV, P.

Preserve fully the procured grain in the Russian Federation. Muk.-elev. prom. 29 no.9:3-4 S '63. (MIRA 17:1)

1. Zamestitel' nachal'nika Vserossiyskogo ob"yedineniya khleboproduktov.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617530010-8"