DODIK, S.D.; KHARCHENKO, R.R., doktor tekhn. nauk, prof., retsenzent; KUTYASHOVA, Ye.M., kand. tekhn. nauk, dots., nauchnyy red.; DIKAREVA, A.I., red.; BELYAYEVA, V.V., tekhn. red.

[Transistorized d.c. voltage and current regulators]Poluprovodnikovye stabilizatory postoiannogo napriazheniia i toka. Moskva, Izd-vo "Sovetskoe radio," 1962. 352 p. (MIRA 15:12)

(Voltage regulators)
(Electric power supply to apparatus)

LEVIN, M. I.; DODIK, S. D.

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Izm. tekh. no.10:42-45 O '62. (MIRA 15:10)

(Voltage regulators)

DODIK, S.D.; KAPNIK, M.Sh.; SERGEYEV, A.S.

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Izm.tekh. no.4:39-41 Ap '63. (MIRA 16:5)
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L 05104-67

ACC NR: AP6013241 SOURCE CODE: UR/0413/66/000/008/0033/0034

AUTHORS: Dodik, S. D.; Gavrilov, A. I. 24 B

ORG: none

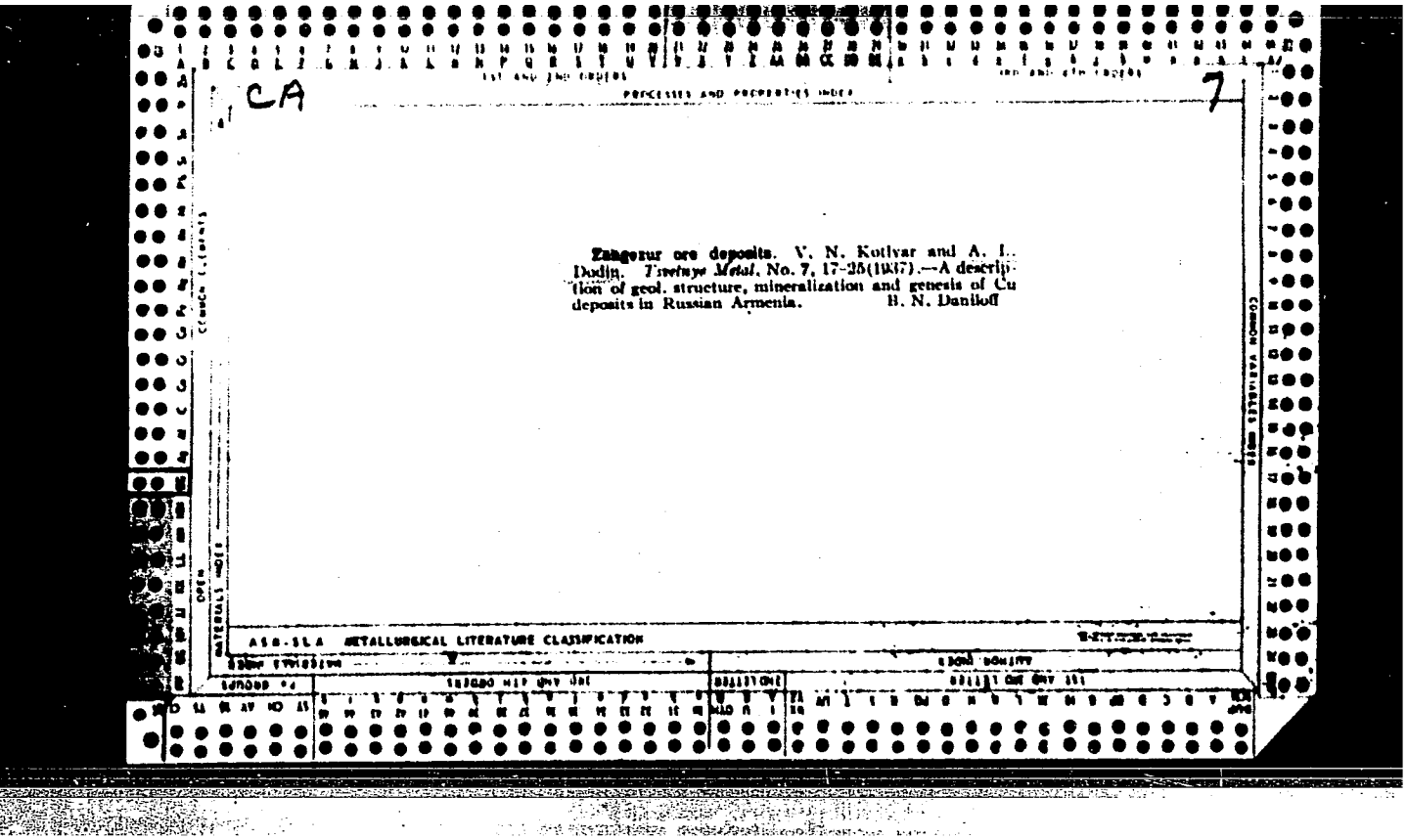
TITLE: A device for the composite protection of a semiconductor voltage stabilizer. Class 21, No. 180643

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 33-34

TOPIC TAGS: voltage stabilizer, circuit design; electric protective equipment

ABSTRACT: This Author Certificate presents a device for the composite protection of a semiconductor voltage stabilizer from overloads, a short circuit in the output of the stabilizer, and a depression of the voltage larger or smaller than the specified values. The design simplifies the device and increases its reliability. The collectors of all semiconductor triodes operating in the comparison circuits are connected through the relay winding with the minus power supply source. These collectors are connected through the normally closed relay contact and resistor to the positive power supply source. The normally closed relay contact is connected to the collector circuit of the control transistor.

Card 1/1 vmb UDC: 621.316.93



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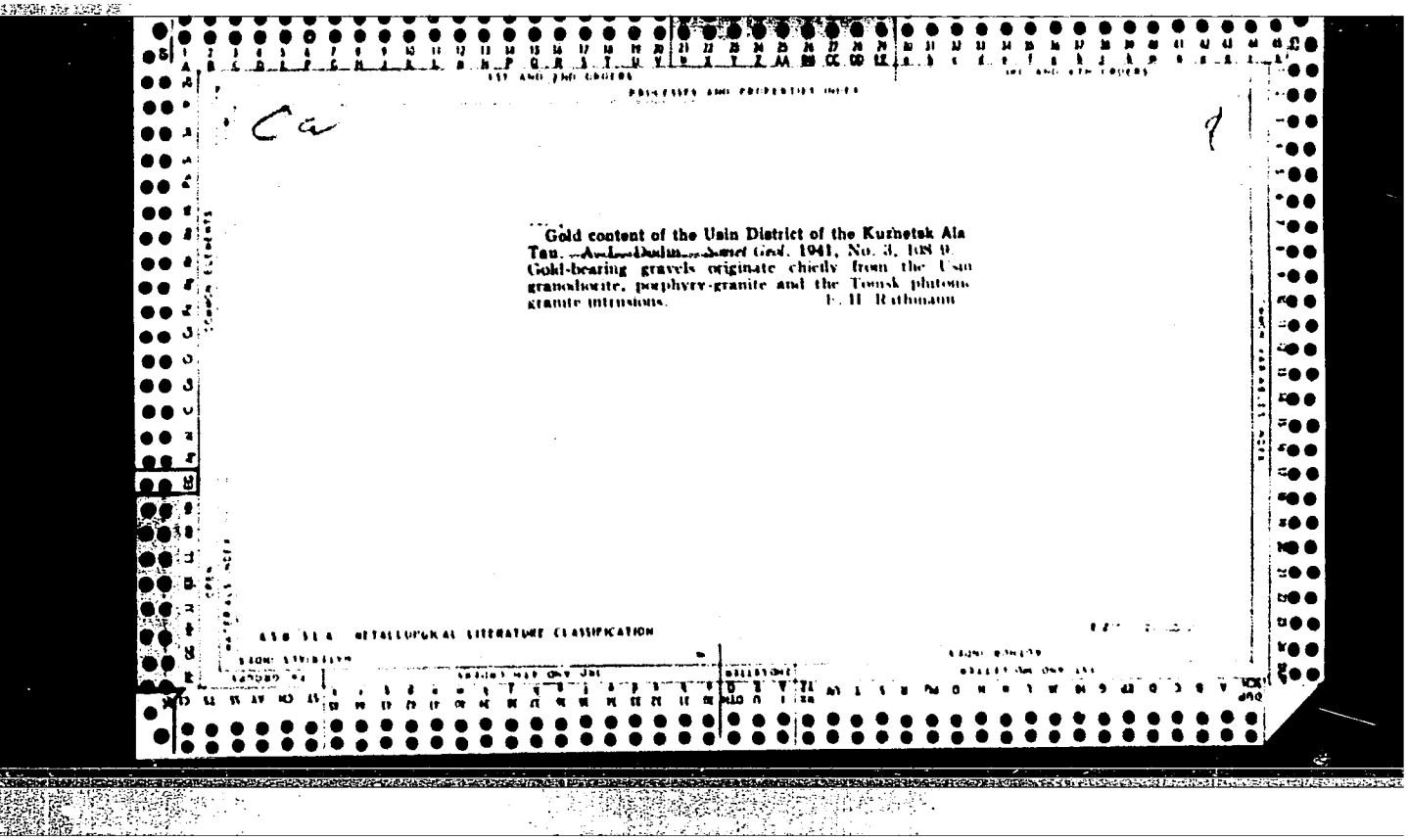
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



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DLC: QE315.D6

So: LC, Soviet Geography, Part II, 1951/Unclassified.

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Meteorites - Tannu Tuva

Discovery of a meteorite in Tuva, Zap. Vses. min. ob. 81 No. 1, 1952

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(Kuznetsk Ala-Tau--Geology, Stratigraphic)

DODIN, A.L.

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(Gornaya Shoriya--Rocks, Igneous)

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(Altai Mountain region--Geology)

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[Iron-ore deposits of the Altai-Sayan region] Zhelezorudnye mestorozhdeniia Altae-Saianskoi gornoi oblasti. Vol.1. Book 1. [Geology]

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SPIZHARSKIY, T.N., red.; BODYLEVSKIY, V.I., red.; BOCH, S.G., red.; VASILENKO, V.K., red.; DODIN, A.L., red.; DOMRACHEV, S.M., red.; KRASNOV, I.I., red.; MELESHCHENKO, V.S., red.; MEYNER, V.V., red.; NIKIFOROVA, O.I., red.; OBRUCHEV, S.V., red.; RZHONSNITSKAYA, M.A., red.; ROSTOVTSEV, N.N., red.; SAKS, V.N., red.; SARYCHEVA, T.G., red.; FOMICHEV, V.D., red.; CHERNYSHEVA, N.Ye., red.; YAKOVLEV, S.A., red.; SKVORTSOV, V.P., red.izd-va; PEN'KOVA, S.A., tekhn.red.

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(Siberia--Geology, Stratigraphic)

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[Iron ore deposits of the U.S.S.R.] Zhelezorudnye mestorozhdeniia SSSR. Otv.red.I.P.Bardin. Moskva. Vol.1. [Iron ore deposits of the Altai-Sayan mountainous region] Zhelezorudnye mestorozhdeniia Altae-Saianskoi gornoi oblasti. Book 2. [Description of the deposits] Opisanie mestorozhdenii. 1959. 601 p. (MIRA 13:3)

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(Sayan Mountains--Geology)

DODIN, A.L.; MAN'KOVSKIY, V.K.

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(Sayan Mountains--Geology, Stratigraphic)

LIKHANOV, B.N.; KHAUSTOVA, M.N.; YEROKHINA, A.A.; MARKOV, F.G.; SPIZHARSKIY, T.N.; DODIN, A.L.; KHIL'TOVA, V.Ya.; CHEREPNIN, L.M.; GROMOV, L.V., kand. geol.-mineral. nauk; SHCHERBACHEV, V.D.; SHUTYY, M.Ye.; NEMCHINOV, V.S., akad., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.V., red.; ZUBKOV, A.I., kand. ekon. nauk, red.; KAVUN, T.K., red. izd-va; SUSHKOVA, L.A., tekhn. red.

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Basic characteristics of the tectonics of the central and eastern parts of the Altai-Sayan region. Trudy VSEGEI 66:21-32 '61. (MIRA 15:4)

(Altai Mountains--Geology, Structural)
(Sayan Mountains--Geology, Structural)

DODIN, A.L.

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(Sayan Mountains—Geology)

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Landslide in Odessa. Priroda 51 [i.e. 52] no.5:112 '63.
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(Odessa--Landslides)

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Engineering and geodetic observations on deformations in transport-and-dumping bridges. Ugol' Ukr. 3 no.7:24-27 Jl '59. (MIRA 12:11)

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(Mine surveying)

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DODIN, D.A.; GOLUBKOV, V.S.; ARKHIPOVA, A.I.; ATLASOV, A.I.

Division of the trap formation in the northwestern margin of the Siberian Platform in medium-scale geological mapping. Inform. sbor. NIIGA no.30:8-21 '62. (MIRA 17:1)

DOBIN, [illegible], L.G.

Practice in the composition of the unified stratigraphic scale of volcanic formations in the northwestern part of the Siberian Platform (Yenisey ore area). Uch. zap. NIIGA Reg.geol. no.3:27-50 '64. (MIRA 18:10)

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GOLUBKOV, V.S.; DODIN, D.A.

New prospective section in the Noril'sk ore region. Uch. zap. NIIGA. Reg. geol. no.4:98-115 '64. (MIRA 18:12)

BALAKIREV, V.P., inzh.; DODIN, L.G., inzh.

State and development of hydraulic mounted systems abroad. Trakt. sel'khozmash. 33 no.6:46-3 of cover Je '63. (MIRA 16:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy traktornyy institut.
(Tractors—Hydraulic equipment)

DODIN, L.G., inzh.

Characteristics of the design and parametric series of gear pumps.
Trakt. i sel'khozmash. no.7:46-48 Jl '64. (MIRA 18:7)

DODIN, M.G.

DODIN, M.G.; GERSHANOVICH, N.L.

A new method of treatment of genuine ozena. Vest. otorinolar. No.3: 72-74 May-June 50. (CLML 19:4)

1. Of the Central Scientific-Research Insitute of Otolaryngology of the Ministry of Public Health RSFSR (Director -- Honored Worker in Science Prof. V.K.Trutnev).

DODIN, M. G.

Results of unifications of polyclinics and hospitals in otorhinolaryngologic work (RSFSR). Vest. otorinolar., Moskva 13 no.4:13-16 July-Aug 1951. (CIML 21:1)

1. Professor. 2. Of the Central Scientific-Research Institute of Otorhinolaryngology of the Ministry of Public Health RSFSR (Director — Honored Worker in Science Prof. V. K. Trutnev).

BRUK, O.L., inzh; DODIN, N.P., inzh; KAMENSHIY, V.S., kand. tekhn. nauk

Residue centrifuges for the reflux washing of residues.
Khim. i neft. mashinostr. no.2:4-7 Ag '64 (MIRA 18:1)

DODIN, V.Z., inzh.

Method for mechanical steam working of frozen ground. Stroi. prom. 36 no.9:8-13 S '58. (MIRA 11:10)
(Frozen ground) (Steam)

DODIN, V.Z., inzh.

Increasing the effectiveness of pre-excavation treatment of frozen ground. Prom.stroi. 37 no.8:38-42 Ag '59. (MIRA 12:11)
(Frozen ground) (Foundations)

DODIN, V.Z., inzh.

Laying temporary underground pipelines in permafrost. Prom. stroi. 37 no.10:40-43 O '59. (MIRA 13:2)

1. Nauchno-issledovatel'skiy institut organizatsii mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR.
(Frozen ground) (Pipelines)

UTENKOV, V.F., kand.tekhn.nauk [deceased]; BOGATYREV, I.I., kand.tekhn. nauk; DODIN, V.Z., inzh.; GORDIYENKO, N.A., inzh.; MUKHA, V.M., inzh.; BEREZOVSKIY, B.I., inzh.; KOVALEVSKIY, P.I., inzh.; ROGOVSKIY, L.V., inzh.; SHABALINA, V.I.; PETROVA, V.V., red.izd-va; ABRAMOVA, V.M., tekhn.red.

[Temporary instructions for carrying out building and assembly operations in the Far North and in permafrost regions] Vremennye ukazaniia po proizvodstvu stroitel'no-montazhnykh rabot v usloviiakh Krainego Severa i raionov rasprostraneniia mnogoletnei merzloty. VU 2-60. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960. 59 p. (MIRA 14:6)

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(Russia, Northern—Building—Cold weather conditions)

DODIN, V.Z.

Construction of underground piping in the northern part of the Angara-Pit Basin. Sbor.nauch.rab.AKKH no.12:55-81 '62.
(MIRA 16:4)
(Angara Valley--Pipelines) (Pit Valley--Pipelines)
(Frozen ground)

IODIN, V.Z., inzh.

Rapid thawing of frozen ground for the construction of trenches.
Stroi. i dor. mash. 6 no.10:29-31 O '61. (MIRA 14:10)
(Frozen ground)

ALPATKIN, Mikhail Tikhonovich, inzh.; DODIN, V.Z., kand. tekhn. nauk, nauchn. red.; ANDREYEV, V.A., inzh., nauchn. red.

[Mechanization of earthwork in perennially frozen ground] Mekhanizatsiia zemlianykh rabot v usloviiakh mnogoletnei merzloty. Moskva, Stroiizdat, 1965. 131 p.
(MIRA 18:4)

DODIN, Ya.I.

Let's organize the construction of instruments needed to automatize underground transportation; a letter to the editors. Gor.zhur. no.5: 63 My '56. (MLRA 9:8)

1. Glavnyy energetik Leninogorskogo kombinata.
(Mine railroads) (Automatic control)

DODIN, Ya.I.

DODIN, Ya.I., inzh.

Explosion hazards in compressor pistons. Gor. zhur. no.12:66-67 D '57. (MIRA 11:1)

1. Yuzhno-Kazakhstanskiy Sovnarkhoz.
(Compressors--Maintanance and repair)

DODIN, Ya.I.

MUSATOV, T.P. inzh.; SHCHUKIN, B.D.; FIKSMAN, S.I. (Odessa)
GERSHKOVICH, S.F.; SHNELL', R.V.; DODIN, Ya.I.; ZEYLIDSON, Ye.D.

Problem of automation and remote control in industrial substations. Prom.energ. 12 no.8:1-7 Ag '57. (MIRA 10:10)

1.Stalinskiy setevoy rayon Donbassenergo (for Musatov). 2.Gidroproyekt, g. Kuybyshev (for Shchukin). 3.Novo-Kemerovskiy khimkombinat (for Gershkovich). 4.Novosibirskoye otdeleniye Gosudarstvennogo proyektnogo instituta Elektroproyekt (for Shnell'). 5.Leninogorskiy polimetallicheskiy kombinat (for Dodin). 6.Tekhnicheskoye upravleniye Ministerstva elektrostantsiy (for Zeylidzon).

(Electric power) (Automatic control)

Dodin, Ya.I.

AUTHOR: Dodin, Ya.I., Engineer 110-12-19/19

TITLE: Defects of the Method of Starting Synchronous or Induction Motors from One of Two Parallel Circuits at Rated Voltage. (Comments to the article by Prof. A.Ya. Berger, published in No.9, 1956) (Nedostatki puska v khod sinkhronnogo ili asinkhronnogo dvigatelya ot odnoy iz dvukh parallel'nykh vetvey pri nominal'nom napryazhenii) (Po povodu stat'i Prof. A.Ya. Bergera, pomeshchennoy v No.9 za 1956 g.)

PERIODICAL: Vestnik Elektropromyshlennosti, 1957, Vol.28, No.12, pp. 74 - 75 (USSR)

ABSTRACT: An article entitled "Starting of Synchronous or Induction Motors from One of Two Parallel Circuits at Rated Voltage" by Prof. A.Ya. Berger was published in Vestnik Elektropromyshlennosti, No.9, 1956, but did not mention defects in this method. A most important matter is the stability of the winding insulation with this method of starting, and operating experience has shown that the starting currents have a very damaging effect thereon. The method was used on a mine skip hoist manufactured by the Khar'kov Electrical-mechanical Works (KhEMZ). The machine was started from one of the parallel supply sources, but only with difficulty and after a time the stator insulation was badly damaged. When the machine had been rewound, starting

Cardl/2

Defects of the Method of Starting Synchronous or Induction Motors from One of Two Parallel Circuits at Rated Voltage. (Comments to the Article by Prof. A.Ya. Berger, published in No.9, 1956)

was arranged through a reactor. Another case of the same kind is quoted and it is said that others have occurred so that the Khar'kov Works no longer recommends the method.

Reply by Prof. A.Ya. Berger

This article is followed by a brief reply from Prof. A.Ya.Berger, who says that Dodin's conclusions are not justified. The method of starting is being widely used in the USA and will undoubtedly be used in the USSR. The trouble was that in Dodin's case, the wrong starting conditions were used. The damage to the stator windings occurred because they were not sufficiently reinforced. Only one ring of binding wire was used instead of two, as is done with the corresponding motors of the Elektrosila Works. It should be borne in mind that the starting current is reduced not for the sake of the motor but for the sake of the supply circuit. The motor should be able to stand up to the starting conditions just as a generator should be able to withstand sudden short circuits.

Card2/2

ASSOCIATION: Leninogorsk Polymetallic Kombinat (Leninogorskiy Polimetallicheskiy Kombinat)

AVAILABLE: Library of Congress.

DODIN, Ya. I.

94-3-6/26

AUTHOR: Dodin, Ya.I., Engineer.

TITLE: A Method of Locating the Route of Metal Pipelines (Metod opredeleniya trass metallicheskikh truboprovodov)

PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13, No.3, pp. 11 - 12 (USSR).

ABSTRACT: The article describes a method of tracing buried pipes by passing audio-frequency current and searching with a search coil and headphones. Simple typical circuits are given, and show a.f. injection through two manholes or through one manhole and a driven earth. One installation used a 950-cycle valve oscillator with an output of from 4 to 100 V.
There are 2 figures.

ASSOCIATION: Leninogorsk Polymetal Combine (Leninogorskiy polimetallicheskiy kombinat)

AVAILABLE: Library of Congress

Card 1/1

DODIN, Ya. L.

DECEASED

c. 1963

1963

Founding
steel ingots

BROVMAN, M.Ya.; DODIN, Yu.S.

Shaping bimetal by pressure. Kuz.-shtam. proizv. 5 no.1:3-5 Ja '63. (MIRA 16:2)

(Laminated metals) (Sheet-metal work)

BROVMAN, M.Ya.; DODIN, Yu.S.

Calculation of temperature fields in rollers. Inzh.-fiz. zhur. no.11:77-81 N '64. (MIRA 18:2)

31055. DODINA, YE. L.

Spongioblastoma zritel'nogo nerva. Vestnik oftalmologii, 1949, No. 5, s. 44-45

S/137/62/000/001/074/237
A060/A101

AUTHORS: Brovman, M. Ya., Dodin, Yu. S.

TITLE: Determination of stresses in continuous mills

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 2, abstract 1D7 (V sb. "Stal'". Moscow, Metallurgizdat, 1961, 287 - 300)

TEXT: The stresses between the stands have a considerable effect upon the forces and moments of the rolling and the forces on the rolls, which affects the operation of the individual elements of the mill. Formulae are derived for determining the stresses and the changes in roll forces related to them, and also formulae for correcting the number of revolutions with the aim of eliminating the stresses. A relation was established between the stretches and the roll speeds at which the stresses will be absent. The formulae can be applied, for example, to calculate a slabbing mill (1st stand horizontal, 2nd stand vertical). A numerical example is given for calculating the stresses between the 2nd, 3rd, and 4th stands of a continuous billet mill 850/700/500. The results obtained coincided closely with those found experimentally. The method is applicable to any number of stands. There are 6 references. Ye. Bukhman

[Abstracter's note: Complete translation]

Card 1/1

S/182/63/000/001/001/012
A004/A126

AUTHORS: Brovman, M. Ya., Dodin, Yu. S.

TITLE: Problems concerning the pressure working of bimetals

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 1, 1963, 3 - 5

TEXT: Since forging and rolling of bimetals is being employed to a growing extent, not only the calculation of the deformation stresses, but also determining the possibility of deformation, while the cohesion between the metal layers is ensured, is of interest for practical purposes. The authors study various problems connected with the plastic deformation of forgings consisting of several layers with different mechanical properties. They are analyzing the diagram of plane deformation, including the stress components, speed components and yield point, and derive a number of formulae, taking into account the various technological factors. The solutions obtained for forging operations refer, in an analogous mode, also to the rolling, drawing and pressing of bimetallic strip. There are 5 figures.

Card 1/1

DODIOMOVA, V.G.

PER, M.I., prof.; DODIOMOVA, V.G.; KUNDEL', L.M.; MASHKILLEYSON, A.L. (Moskva)

Side effects in the treatment of certain severe skin diseases with ACTH and cortisone. Probl. endok. i gorm. 3 no.6:83-89 N-D '57. (MIRA 11:3)

1. Iz muzhskogo koshnogo otdeleniya (zav.-prof. M.I.Per) klinicheskoy koshno-venerologicheskoy bol'nitsy imeni Korolenko (glavnyy vrach-zaslushennyy vrach RSFSR V.P. Nikolayev)

(SKIN DISEASES, therapy,
ACTH & cortisone, side eff. (Rus)
(ACTH, injurious effects,
side eff. in skin dis. ther. (Rus)
(CORTISONE, inj. eff.
same)

1. BEREZOVSKIY, V. M. DODIONAVA, E. P.

2. USSR (600)

4. Stereochemistry

7. Spatial hindrances in the formation of stereoisomeric N-polyoxyalkyl substitutes of oaminoazo dyes. Dokl. AN SSSR 87 no. 4: D '52

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

L 58363-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) Pf-4 WJW/JD/HW

ACCESSION NR: AR5013021 UR/0137/65/000/004/I056/I056

669.15.018.85

SOURCE: Ref. zh. Metallurgiya, Abs. 4I350

AUTHOR: Dabagyan, N. P.; Sagitov, G. A.; Barziy, V. K.; Dodoka, L. I.

TITLE: Structure and properties of a three-layered Kh18N9T + St3sp + Kh18N9T steel.

CITED SOURCE: Sb. tr. Ukr. n.-i. in-t metallov, vyp. 10, 1964, 210-215

TOPIC TAGS: metal cladding, metal mechanical property, steel

TRANSLATION: The steel was prepared by casting stainless slabs into molds and subsequently rolling the three-layered ingots. The untrimmed sheet had a width of 1100 mm, overall thickness of 6.0-6.3 mm, and cladding thickness of 0.75-0.85. The chemical composition of the steel was as follows (in %): Kh18N9T--0.[illegible], 1.[illegible] Mn, 10.55 Ni, 17.68 Cr, and 0.50 Ti; St3sp--0.020 C, 0.52 Mn, 0.16 Si. The mechanical properties of cross sectional and longitudinal specimens were as follows, respectively: σ_b = 56.6 and 57.8 kg/mm^2, σ_s/σ_b = 0.755 and 0.740, ζ_k = 30.0 and 39.0 kg/mm^2 and σ_{10} = 27 and 29.2%. The clad steel behaved like a homogeneous metal when cold

Card 1/2

L 58363-65
ACCESSION NR: AR5013021

bent until the sides touched. The optimum method of heat treatment of the steel is normalization from 900°C for 5 min which gives the clad layer satisfactory resistance to intergranular corrosion and the following high mechanical properties σ_s = 36.6-40.4 kg/mm^2, σ_t = 54.2-56.4 kg/mm^2, σ_s/σ_t = 0.688-0.722, δ_5 = [illegible] and σ_{10} = 24.0-26.4%. The structure of the clad layers consists of austenite and uniformly distributed carbides of Cr; the structure of the base metal consists of grains of ferrite and perlite. At the layer boundaries there is a decarburized layer in the base metal which is about 0.1 mm thick. The microhardness of the base metal is 210 kg/mm^2, 161 kg/mm^2 for the decarburized layer, and [illegible] kg/mm^2 for the clad layer.

SUB CODE: MM ENCL: 00

Card 2/2

DODKHOYEV, S.D.

Dynamics of "stem manifestations" in the EEG under the effect of dehydrating substances in patients with cerebral tumors. Vop. neirokhir. 28 no.1:27-33 Ja-F '64.

(MIRA 18:1)

1. Laboratoriya neyrofiziologii (zav. - doktor biologicheskikh nauk V.Ye. Mayorchik) Nauchno-issledovatel'skogo ordena Trudovogo Krasnogo Znameni instituta neyrokhirurgii imeni N.N. Burdenko (direktor - deystvitel'nyy chlen AMN SSSR prof. B.G. Yegorov) AMN SSSR, Moskva.

SOKOLOVA, A.A.; FALLF:, T.O.; DODKHOYEV, S.D.

Dynamics of cerebral edema under the effect of dehydrating substances according to EEG data. Vop. neirokhir. 28 no.1: 22-27 Ja-F '64. (MIRA 18:1)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neyrokhirurgii imeni N.N. Burdenko (direktor - deystvitel'nyy chlen AMN SSSR prof. B.G. Yegorov) AMN SSSR, Moskva.

DODKHUDOYEV, Nazarsho; MAYATNIKOV, I., red.; TYUNEYEVA, A., tekhn.red.

[Toward a new flourishing of Soviet Tajikistan] K novomu rastsvetu Sovetskogo Tadzhikistana. Moskva, Gos.izd-vo polit. lit-ry, 1959. 62 p. (MIRA 13:3)

1.Predsedatel' Soveta Ministrov Tadzhikskoy SSR (for Dodkhudoyev).
(Tajikistan--History) (Tajikistan--Economic policy)

DODNOVA, O. N.; YABLOKOVA, M. L.; SHAPIRO, S. L.

"On the basic problems of combatting measles."

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

DODC, B.

DODC, B. Diagram for the damping factor of torsional vibration in reciprocating engines. p. 109.

No. 45, 1955
ZBORNIK RADOVA
Beograd, Yugoslavia

So: Eastern European Accession Vol. 5 No. 4 April 1956

DODOC, P.

Additions to the method of establishing the optimum conditions for metal splintering with hard-alloy-plated tools. p. 199.

METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriei Metalurgice si Contructiilor de Masini si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia) Bucuresti, Rumania; Vol. 11, no. 3, Mar. 1959

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 9, Sept. 1959

Uncl.

VAYSMAN, Khaim Gershevich; DODOGORSKIY, N.A., insh., red.; SOLODKOV, V.A., red.izd-va; BEGICHEVA, M.N., tekhn.red.

[Electric devices for controlling marine electric motors] Elektricheskaia apparatura upravleniia sudovymi elektrodvigateliami. Moskva, Izd-vo "Morskoi transport," 1958. 383 p. (Mira 11:12)

(Electricity on ships) (Electric controllers)

DODOGORSKIY, N.A., inzh.

Problems concerning the manufacture of low-voltage apparatus.
Vest. elektroprom. 34 no.1:4-5 Ja '63. (MIRA 16:1)
(Electric equipment industry)

ACC NR: AT6012089 (N) SOURCE CODE: UR/3177/65/021/000/0038/0052

AUTHOR: Chekmarev, A. P. (Academician AN UkrSSR); Saf'yan, M. M. (Professor); Meleshko, V. I. (Candidate of technical sciences); Prokof'yev, V. I. (Candidate of technical sciences); Avramenko, I. N. (Engineer); Dodoka, V. G. (Engineer); Kaenzak, F. A. (Engineer) Kudin, D. P. (Engineer); Lola, V. N. (Engineer); Movshovich, V. S. (Engineer); Pavlishchev, V. B. (Engineer); Soroko, L. N. (Engineer); Sukhobrus, Ye. P. (Engineer); Kholodnyy, V. P. (Engineer); Yudin, M. I. (Engineer)

ORG: none

TITLE: Improvements in the techniques of production of Kh18N10T cold-rolled wide-strip steel at the Zaporozhstal' Plant

SOURCE: Dnepropetrovsk. Institut chernoy metallurgii. Trudy, v. 21, 1965. Prokatnoye proizvodstvo (Welding production), 38-52

TOPIC TAGS: stainless steel, bright stock lubricant, metal rolling, sheet metal, industrial plant / Kh18N10T stainless steel, P-28 bright stock lubricant

ABSTRACT: On increasing to 11.8 tons from the previous 10.3 tons the weight of the ingots

Card 1/2

L 41274-66

ACC NR: AT6012089

of Kh18N10T stainless steel used to produce 1000 mm wide sheets, the Zaporozhstal' Plant found it possible to reduce by 40-50 kg/mm^2 the wastage of metal during slabbing. Other innovations introduced in recent years at this plant include: fettling, flame scarfing and planing of ingot surfaces so as to eliminate defects of metallurgical origin prior to slabbing. These measures, along with improvements in the ingot reheating regime, have made it possible to increase the productivity of slabbing mills by 15-20%. The ingots themselves are cone-shaped in order to optimize the conditions of crystallization of the molten metal. After trimming and heating to 1050-1300°C the slabs proceed to a continuous strip mill where they are rolled into 1000 mm wide strip. By introducing the cold rolling of this strip in a reversible four-high mill with a reduction of 85% and by abandoning the practice of intermediate quenching during the production of 0.8-1.4 mm thick sheets rolled from 3.0 mm thick stock, using P-28 bright stock (highly viscous mineral oil) as the lubricant, using highly polished rolls, and increasing the convexity of the rolls to offset the increase in roll pressure, and thus streamlining the rolling techniques to an extent at which it became possible to roll in 13 passes 0.8 mm thick strip without overloading the rolls and main drive, the Zaporozhstal' Plant has found it possible to increase by 81% the productivity of its sheet mill and by 180%, the productivity of its reversible cold-rolling mill. The annual savings produced by these innovations amount to: for the slabbing-mill shop, 162,000 rubles; for the sheet-mill shop, 91,000 rubles; for the cold rolling shop, 719,000 rubles. Orig. art. has: 3 figures, 9 tables.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 015

Card 2/2 LC

TSELUYKO, Yu.I.; SADAKH, A.F.; BOBOSHKO, V.S.; DODOKA, V.G.; LIKHININ, A.I.; Prinimali uchastiye: PEKKER, A.N.; LOLA, V.N.; KSENZUK, F.A.; BONDAREV, L.V.; REZNIKOV, Yu.N.; KLEKL', A.E.

Study of the heating of metal in a holding furnace. Stal' 25 no.5:462-464 My '65. (MIRA 18:6)

1. Nauchno-issledovatel'skiy i proyektnyy institut metallurgicheskoy promyshlennosti.

DODOKHODZHAYEV, Ya.Yu.

Comparative data on the weight and volume of the thyroid gland in fetuses and the newborn in Leningrad and Stalinabad. Zdrav. Tadzh. 8 no.3:46-49 My-Je '61. (MIRA 14:6)

1. Iz kafedry akushersťva i ginekologii No.1 (zav. - doktor med. nauk S:Kh.Khakimova) i kafedry patologicheskoy anatomii (zav. - prof. B.I.Monastyrskaya) Stalinabadskogo medinstituta imeni Abuali ibni Sino.

(THYROID GLAND)

DODOLINA, V. T.

Cand Agr Sci - (diss) "Light-brown soils and solonetzes of the southern part of the Volga River Region Heights and changes of their properties as a result of agricultural use." Moscow, 1961. 22 pp; (All-Union Order of Lenin Academy of Agr Sci imeni V. I. Lenin, All-Union Scientific Research Inst of Fertilizers and Agro-Soil Behavior); 200 copies; price not given; (KL, 7-61 sup, 251)

R/009/60/000/010/004/009
A125/A126

AUTHORS: Bivolaru, Ion, and Dodon, Eugen

TITLE: On the determination of the static rigidity of drilling machines

PERIODICAL: Metalurgia şi Construcţia de Maşini, no. 10, 1960, 878 - 882

TEXT: The authors prove in this paper that at drilling machines the machining accuracy and the productivity of the machine depend on its rigidity. On the basis of the general relation of rigidity R,

$$R = \frac{P}{\Delta} \text{ kg/mm}, \qquad (1),$$

coefficient of accuracy ε,

$$\varepsilon = \frac{D}{\Delta}, \qquad (2),$$

feeding pressure P,

$$P = C_p D^z p_s^{y_p}, \text{ kg}, \qquad (4),$$

Card 1/4

drilling time T,

$$T = \frac{L}{ns} \text{ min}, \qquad (6),$$

drilling speed v,

$$v = \frac{C_v}{t^{x_v} s^{y_v}} \text{ in } \frac{m}{\text{min}}, \qquad (9),$$

and unitary time T_{unit},

$$T_{unit} = \frac{K \cdot D^{\frac{(z_p-1)(1-y_v)}{y_p}} \cdot \varepsilon^{\frac{1-y_v}{y_p}}}{R^{\frac{1-y_v}{y_p}}} \text{ min}, \qquad (11),$$

they deduce the equation of the productivity:

$$Q = \frac{R^{\frac{1-y_v}{y_p}}}{KD^{\frac{(z_p-1)(1-y_v)}{y_p}} \cdot \varepsilon^{\frac{1-y_v}{y_p}}}, \qquad (12),$$

where y_p, y_p, and z_p are the exponents, D - the diameter of the drill and K - a constant. This relation expresses the connection between the productivity Q, rigidity R, diameter of the drill D and coefficient of accuracy, and shows the importance of the rigidity with regard to accuracy and productivity. The authors use then the method of statical determination of the rigidity. It consists of the loading of the drilling machine with a known force by a dynamometer and of the measuring of the distortions in different parts of the machine by comparators. The measurements have been accomplished with a type ∅ 25, "Intrăţirea", Oradea radial drilling machine and a Sokolovskiy dynamometer. The maximum load was 500 kgf. The distortion of the machine along the maximum displacement Δ can be computed on the basis of the obtained results. After having determined the angle between the main shaft and the vertical β_c,

$$\beta_c = \frac{Ml}{EI} \text{rad}, \qquad (13)$$

and the angle between the perpendicular line of the table and the vertical line, as well as the maximum displacement β_m,

On the determination of the static rigidity...

$$\beta_m = \frac{3}{2}\frac{Y_m}{L} \text{ rad}, \qquad (14)$$

the authors deduce the maximum displacement

$$\Delta = l_1 \cdot \sin \beta_c - \frac{l_1}{l} Y_c \qquad (15).$$

The machining accuracy is influenced by the inclination due to the distortion of the column and due to the distortion of the table console. On the basis of equation $\beta = \beta_c + \beta_m$, (16) in which the angle β indicates the deviation of the performed hole axis against the theoretical hole axis, the authors deduce the relation of the final error of the hole δ, in function of the depth h and diameter of the hole, productivity, rigidity of the machine and concrete technological factors, K:

$$\delta = \frac{K \cdot D^{z_p} \cdot Q^{\frac{y_p}{1-yv}}}{R} + h \operatorname{tg}\beta, \qquad (21).$$

This relation can be used for the determination of the machining conditions. There are 13 figures, 3 photos and 3 Soviet-bloc references.

Card 4/4

DODON, E.

Splintering system for tu-ing by the copying process. Bul St si Tehn Tim 7:177-184 '62.

DODON, L.L.

O kul'ture povedeniia sovetskogo molo-
dogo cheloveka (Cultivation of behavior of the young
Soviet person. Leningrad, Vsesoiuznoe obshchestvo
po rasprostraneniiu politicheskikh i nauch. znanii, 1952. 32 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 1, April 1953

DODON, N.

"Déviation of silk cocoons from the normal in regard to aspect and characteristics, and their importance in spinning", p. 21,(TEXTILE, Vol. 2, no. 6, June 1951, Bucuresti)

SO: Monthly List of East European Accession, Vol. 2, no. 8, Library of Congress, August 1953, Uncl.

DODONA, S.

Reducing the waste of bitumen in the Selenice mine, p. 4, TEKNIKA, (Ministria Industri-Miniera dhe Ndertim-Komunikacion) Tirane, Vol. 3, No. 2, Mar./Apr. 1956

SOURCE: East European Accessions List, (EEAL) Library of Congress, Vol.5, No. 12, December 1956

DODONA, S.

Coordination of the mechanism of work in our mines. p. 20

TEKNIKA. (Ministria Industri-Miniera dhe Ndertim-Komunikacion) Tirane, Bulgaria. (Issued by the Ministry of Industry and Mining and the Ministry of Construction and Communication. Bimonthly) Vol. 5 (i.e. 6) no. 3, May/June 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

DODONOV, A.

Problems of the theory of amortization. Vop. ekon. no.8:117-128 Ag '63. (MIRA 16:9)
(Depreciation)

PHASE I BOOK EXPLOITATION SOV/4343

Soveshchaniye po teorii liteynykh protsessov, 3d

Usadochnyye protsessy v metallakh; trudy soveshchaniya (Shrinkage Processes in Metals, Transactions of the Third Conference on the Theory of Casting Processes) Moscow, AN SSSR, 1960. 281 p. Errata slip inserted. 3,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: B.B. Gulyayev, Doctor of Technical Sciences, Professor; Ed. of Publishing House: V.S. Rabesnikov; Tech. Ed.: T.V. Polyakova.

PURPOSE: This collection of articles is intended for scientific workers, engineers, technicians of scientific research institutes and industrial plants, and for faculty members of schools of higher education.

COVERAGE: The collection contains technical papers presented at the Third Conference on the Theory of Casting Processes, organized by Liteynaya sektsiya Komissii po tekhnologii mashinostroyeniya Institute mashinovedeniya AN SSSR (Casting Section of the Commission for Machine-Building Technology of the Institute of Science of Machines, Academy of Sciences USSR) and by Institut metallurgii imeni Baykova AN SSSR (Institute of Metallurgy imeni A.A. Baykov, Academy of Sciences USSR). The most serious defects in castings, ingots, and welds as a result of metal shrinkage are reviewed. Factors contributing to the formation of shrinkage cavities, porosity, cracks, fissures, distortion, and internal stresses are analyzed along with measures taken to prevent and remedy them. The hydrodynamics of molten metals and the process of solidification of metals are discussed. Also presented are resolutions adopted at the Conference with regard to the problem of shrinkage in metals. No personalities are mentioned. Most papers are accompanied by bibliographic references, the majority of which are Soviet.

TABLE OF CONTENTS:

Card 1/6

Dodonov A.A.

PHASE I BOOK EXPLOITATION SOV/4344

Soveshchaniye po teorii liteynykh protsessov, 4th

Kristallizatsiya metallov; trudy soveshchaniya (Crystallization of Metals; Transactions of the Fourth Conference on the Theory of Casting Processes) Moscow, Izd-vo AN SSSR, 1960. 325 p. 3,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: B. B. Gulyayev, Doctor of Technical Sciences, Professor; Ed. of Publishing House: V. S. Rzheznikov; Tech. Ed.: S. G. Tikhomirova.

PURPOSE: This book is intended for metallurgists and scientific workers. It may also be useful to technical personnel at foundries.

COVERAGE: The book contains the transactions of the Fourth Conference (1958) on the Theory of Casting Processes. [The previous 3 conferences dealt with hydrodynamics of molten metals (1955), solidification of metals (1956), and shrinkage processes in castings (1957)]. General problems in the crystallization of metals, including the crystallization of constructional steels, alloy steels with special properties, cast iron, and of nonferrous alloys, are discussed. Recognition is given to D. K. Chernov and N. T. Gudtsov and their students, B. B. Gulyayev and A. G. Spasskiy, for their contributions to the understanding of the basic problems involved in the theory of crystallization of ferrous and nonferrous metals and alloys. Academician A. V. Shubnikov is also mentioned in connection with his work on the planning of research on crystal formation. References accompany several of the articles.

III. CRYSTALLIZATION OF SPECIAL-PROPERTY STEELS AND ALLOYS

IV. CRYSTALLIZATION OF CAST IRON

V. CRYSTALLIZATION OF NONFERROUS ALLOYS

Dodonov, A. A.

DoDoNoV, A.A.

AUTHOR: None given SOV/180-59-4-47/48

TITLE: A Conference on the Accuracy of Machine Building Castings

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 4, pp 255-256 (USSR)

ABSTRACT: A conference on the above subject took place in the Institute of Machine Building of the Academy of Sciences of the USSR on 22-24th April 1959. About 200 representatives of scientific-research institutes, laboratories, universities and largest works from 34 towns participated in the conference. The following papers were read: B.B.G'ulyayev "The present state of studies of the accuracy of castings"; P.N.Aksenov "Tasks of investigations of the dependence of the accuracy of castings on technological factors"; N.P.Berg "Methods of analytical evaluation of dimensions of castings"; Yu.A.Vorob'yev "Theoretical and experimental investigations of the accuracy of castings"; I.P.Yegorenkov - "The system of allowances for mechanical working of castings"; Ye.G.Kopanevich "Methods for the determination of tolerances for dimensions of cast parts"; S.A.Karenkin "Tolerances for non-ferrous castings produced by various methods of casting"; G.N.Nikol'skiy "Methods of controlling the cleanliness of the surfaces of castings"; I.S.Konstantinov "The influence of stresses formed during casting on the accuracy of castings", L.Ye.Komarov "The process of packing moulds as a factor determining the accuracy of castings", S.S.[illegible] and Yu Ch'uan-chin "Sources of errors in the dimensions of castings caused by specific features of operation of the pattern-mould boxes equipment", A.M.Dubrovskiy "Typical deformations of casting moulds", V.U.[illegible] "Conditions of making accurate castings in sand moulds"; N.P.Ivanov "The influence of the chemical composition of iron on the accuracy of dimensions of castings"; S.N.Fomchenko and B.B. Gulyayev "Improvement in the accuracy of castings made in pressed shell moulds"; V.Y.[illegible] "Experience in increasing the cleanliness and accuracy of large castings"; [illegible] and I.I.Zhelikov "On the accuracy of castings made by the lost wax method"; I.Y. [illegible] "An investigation of the accuracy and surface cleanliness of castings made under pressure and by the lost wax method"; M.F.[illegible]skiy and B.B.Gulyayev "The formation of the contour of castings during casting under pressure", K.G.[illegible], A.A.Dodonov, and N.N.Belousov "An improvement in the surface quality of castings made under pressure by forming a vacuum the pressure moulds". It was established that studies on the subject of the accuracy of castings are developing too slowly mainly due to lack of coordination in the research work and insufficient numbers of specialists in the field of mathematics, physics and electronics. In order to develop methods for overall calculations of the accuracy, productivity and economics of casting processes the conference recommended organizing in Moscow, Leningrad and Kiyev (at scientific research institutes and universities) mixed teams consisting of foundry specialists, mathematicians, physicists and economists.

Card 1/3

Card 2/3

DODONOV, A. A

SOV-128-58-7-14/20

AUTHORS: Belousov, N.N., Candidate of Technical Sciences, and Dodonov, A.A., Engineer

TITLE: A Valuable Book for Foundrymen (Tsennoye posobiye dlya rabotnikov liteynykh tsekhov)

PERIODICAL: Liteynoye proizvodstvo, 1958, Nr 7, pp 27-28 (USSR)

ABSTRACT: This is a review of a "Spravochnik liteyshchika" ("Foundry Manual") for aluminum and magnesium casting, by I.F. Kolobnev, V.V. Krymov, and A.P. Polyanskiy, edited by N.N. Rubtsov, Mashgiz, 1957.

1. Foundries--USSR 2. Magnesium--Casting 3. Aluminum--Casting

Card 1/1

DODONOV A.A.

BELOUSOV, N. N. (cand. tech. Sci.) DODONOV, A. A. (Engr.) KOVVI, K. G., and MEDNIKOV, Z. G.

"Casting Under Pressure by Using a Vacuum."

All-Union Conference of Foundry Workers. end of 1957. Moscow. Mashinostroitel', 1958. No. 5, p. 48.

BCS. DOBONOV, A.A.

Raw Materials
4/1948

884. EXTRACTION OF ALUMINA FROM FERRUGINOUS CLAY.—A. A. Dobonov, G. V. Medov and E. M. Snihestvenskaya (*J. Appl. Chem., U.S.S.R.*, 20, 879, 1947).—The sulphuric acid method of extracting chemically pure alumina from ferrous clays of low alumina content (18·5 20·3%) produced 83% of the quantity obtainable theoretically. One alkali process of extraction, in which the clay is heated with an excess of sodium, had negative results with regard to the quantity of alumina produced.

DODONOV, A. A.

BELOGAY, V.M.

25(1) p-3 PHASE I BOOK EXPLOITATION SOV/1440

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Leningradskoye oblastnoye pravleniye

Lit'ye povyshennoy tochnosti (High-precision Casting) Moscow, Mashgiz, 1958. 196 p. (Series: Its: Sbornik, kn.45) 7,000 copies printed.

Ed.: A.N. Sokolov; Tech. Ed.: L.V. Sokolova; Managing Ed. for Literature on Machine-building Technology (Leningrad Division, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for engineers and technicians at foundries and planning and research institutes.

COVERAGE: The book contains the transactions of a special conference called in November, 1956, by the Leningrad Oblast Administration of the Nauchno-tekhnicheskoye obshchestvo NTO (Scientific and Technical Society of the Machine-building Industry). The articles describe advanced techniques used in

Card 1/5

High-precision Casting SOV/1440

AVAILABLE: Library of Congress

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Card 5/5

AUTHOR: Gulyayev, B.B. SOV/24-58-4-37/39

TITLE: Conference on Crystallisation of Metals (Soveshchaniye po kristallizatsii metallov)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 4, pp 153 - 155 (USSR)

ABSTRACT: This conference was held at the Institut mashinovedeniya AN SSSR (Institute of Mechanical Engineering of the Ac.Sc. USSR) on June 28-31, 1958. About 400 people participated and the participants included specialists in the fields of foundry, metallurgy, crystallography, physics, welding, heat, physical chemistry, mathematical physics and other related subjects. In addition to Soviet participants, foreign visitors included Professor D. Czikl (East Germany) and N.I. Chvorinov (Czechoslovakia). This conference on crystallisation of metals was the fourth conference relating to the general problem of the theory of foundry processes.

Crystallisation of Non-ferrous Metals. N.N. Belousov and A.A. Dodonov, - in their paper "Investigation of the Crystallisation and the Properties of Non-ferrous Metals Under Conditions of Applying Pressure", presented results of experiments on producing castings which crystallise under pressure from all sides and piston pressure within a wide range of specific loads. The results of the investigation provide material for improving existing methods of applying pressure to influence the crystallisation of alloys. The influence of the conditions of crystallisation on the casting and mechanical properties of aluminium alloys, at normal and at elevated temperatures, were discussed in the papers of I.F. Kolobnev and A.Ye. Semenov. The results of investigations of the conditions of crystallisation of aluminium alloys during continuous casting were presented in the paper of Ye.D. Zakharov. N.L. Pokrovskiy and D.Ye. Ovsiyenko dealt with the features of crystallisation of various

Card8/10

non-ferrous alloys and the physico-chemical phenomena accompanying this process.

Crystallisation of Metals in the Welding Bath. The following papers were read: B.A. Movchan - "Investigation of the Features of the Microscopic Chemical Non-uniformity in Alloys"; G.L. Petrov - "Crystallisation and Chemical Non-uniformity in Weld Joints"; M.Kh. Shorshorov and V.S. Sedykh - "Influence of Non-uniformities of Crystallisation in the Weld Bath on the Formation of Hot Cracks".

Crystallisation of Metals in an Ultrasonics Field. The following papers were read: Member of the Ac.Sc. Belorussian SSR N.N. Sirota, Ye.L. Lekhtblad and E.M. Smolyarenko - "Crystallisation of Metals and Alloys in an Ultrasonics Field"; I.I. Teumin - "Influence of Elastic Oscillations on the Processes of Crystallisation and the technological properties of Alloys"; L.L. Silin and A.A. Yerokhin - "Effect of Ultrasonics on Crystallising Metal in the Weld Bath".

Card9/10

16

DODONOV, A. A., and BELOUSOV, N. N.

"Vacuum Casting of Nonferrous Alloys," p. 95. in book Mechanization and Automatic Control of Founding Processes, Leningrad, 1957, 224pp.

ACC NR: AP6036384 SOURCE CODE: UR/0128/66/000/011/0003/0007

AUTHOR: Belousov, N. N. (Candidate of technical sciences); Dodonov, A. A. (Engineer)

ORG: none

TITLE: The effect of chemical composition and melting, casting and solidification conditions on the mechanical properties of new aluminum-magnesium alloys

SOURCE: Liteynoye proizvodstvo, no. 11, 1966, 3-7

TOPIC TAGS: aluminum magnesium alloy, zirconium containing alloy, beryllium containing alloy, titanium containing alloy, silicon containing alloy, iron containing alloy, aluminum cast alloy, alloy property/AL27-1 alloy, AL27 alloy, AL23-1 alloy, AL23 alloy, AL2 alloy, AL4 alloy, AL8 alloy, AL9 alloy

ABSTRACT: The effect of alloying and processing conditions on the quality and mechanical properties of parts cast from new AL27-1, AL27, AL23-1, and AL23 aluminum-magnesium alloys containing 3—11% magnesium and additionally alloyed with beryllium, titanium, zirconium, silicon or iron has been investigated. It was found that alloying with up to 0.2—0.25% zirconium, 0.3% beryllium, or 0.2—0.3% titanium improves all the mechanical properties, but higher alloying lowers the properties except for hardness. Alloying with silicon and iron also reduced the mechanical properties of alloys. Prior to pouring, the metal should be held at 700—730C for

Card 1/2 UDC: 621.745.55:669.715

ACC NR: AP6036384

2.5—3.0 hr, but pouring should be done at 640—680C. Higher pouring temperatures caused a gas porosity and reduced the mechanical properties. The mechanical properties dropped with increasing wall thickness of the castings. The strength of AL27 and AL27-1 alloys exceeds that of standard A18 or A14 alloys by 25—33% regardless of wall thickness, and the elongation of new alloys is 50—100% higher than that of AL2, AL4, AL8, or AL9 alloys. The optimum combination of properties (tensile strength 35—40 kg/m^2; elongation 12—22%; impact strength 3.5—4.7 kg·m/cm^2) were obtained in parts cast into metallic molds with 40 mm wall thickness preheated to 60—80C. Orig. art. has: 17 figures.

SUB CODE: 11, 13/ SUBM DATE: none/ ATD PRESS: 5107

Card 2/2

ACC NR: AP7001411 (A) SOURCE CODE: UR/0413/66/000/021/0112/0112

INVENTOR: Belousov, N. N.; Dodonov, A. A.; Ivankin, A. A.; Yegorova, V. A.

ORG: none

TITLE: Cast aluminum-base alloy. Class 40, No. 188012

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 112

TOPIC TAGS: aluminum, magnesium, beryllium alloy, titanium containing alloy, zirconium containing alloy, cast aluminum alloy

ABSTRACT: This Author Certificate introduces a cast aluminum-base alloy containing magnesium, beryllium, titanium, and zirconium. To improve its mechanical properties and ensure satisfactory corrosion resistance and formability, the alloy composition is set as follows: 10—11.5% magnesium, 0.05—0.12% beryllium, 0.03—0.1% titanium, 0.03—0.1% zirconium, 0.01—0.15% boron and 0.07—0.2% manganese, with impurities such as iron, silicon, copper and zinc, each not exceeding 0.05%. [ND]

SUB CODE: 11/ SUBM DATE: 04Dec65/ ATD PRESS: 5110

Card 1/1 UDC: 669.71.5'721' '725'295'296'74'781

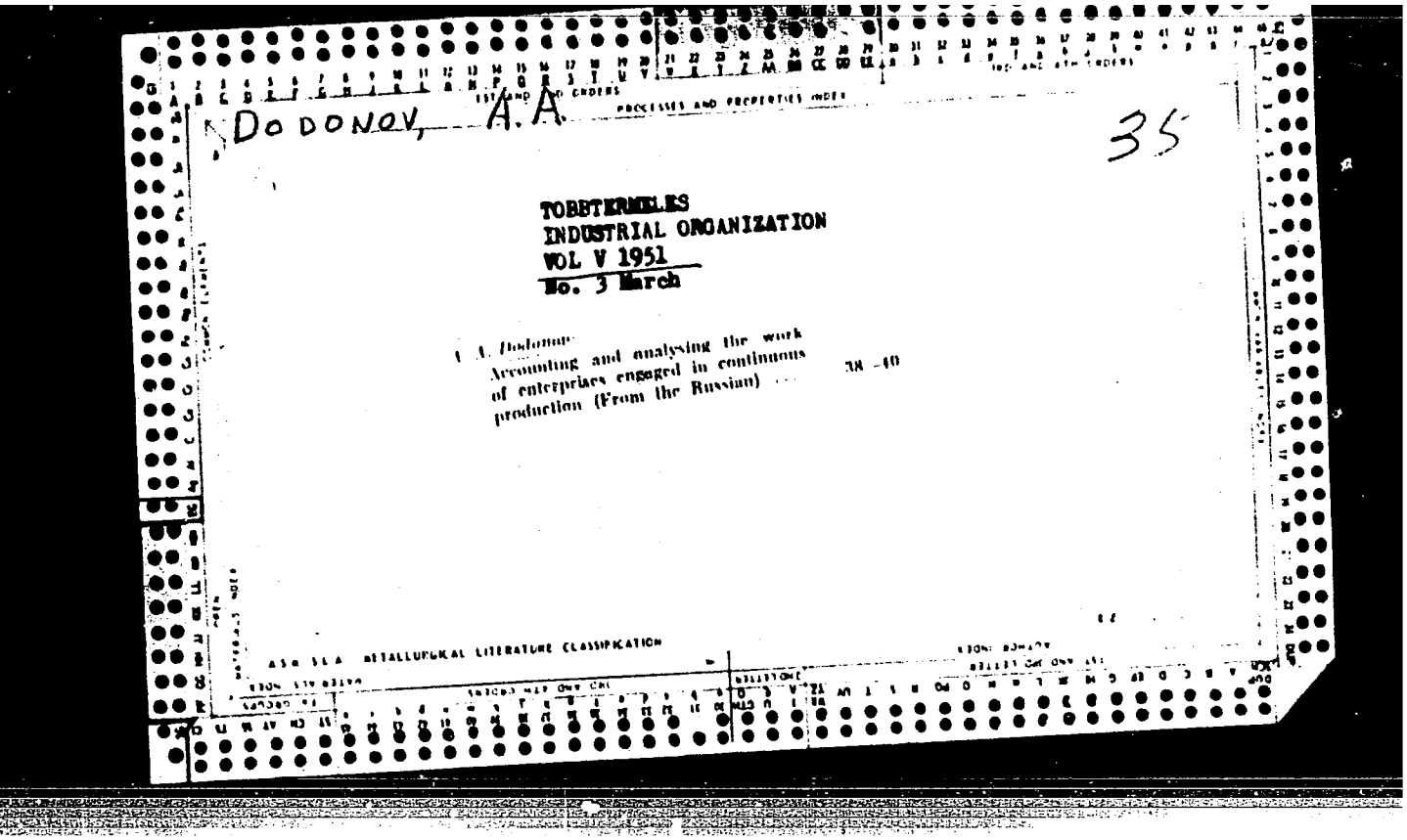
DODONOV, A.A.

Uchet i analiz raboty predpriiatiia pri potochnoi organizatsii proizvodstva. Moskva, Gosfinizdat, 1950. 113 p.

Job analysis in an enterprise using assembly-line methods of production.

DLC: T60.A75D6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.



DODONOV, A. A.

35

TOBBTKRMELES
INDUSTRIAL ORGANIZATION
VOL V 1951
No. 3 March

A. A. Dodonov
Accounting and analysing the work of enterprises engaged in continuous production (From the Russian) ... 38 -40

DODONOV, A.

"Computation and Accounting of Savings Obtained from Extending the Period Between Repair of Equipment," Bukhg. uchet 11, No 5, 1952.

MLRA Aug 52.

DODONOV, A. A.

Planning financing, accounting, and analysis of expenditure for repair of basis means Moskva, Gosfinizdat, 1954 p. (55-34214)

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1. Repairing. 2. Capital - Russia