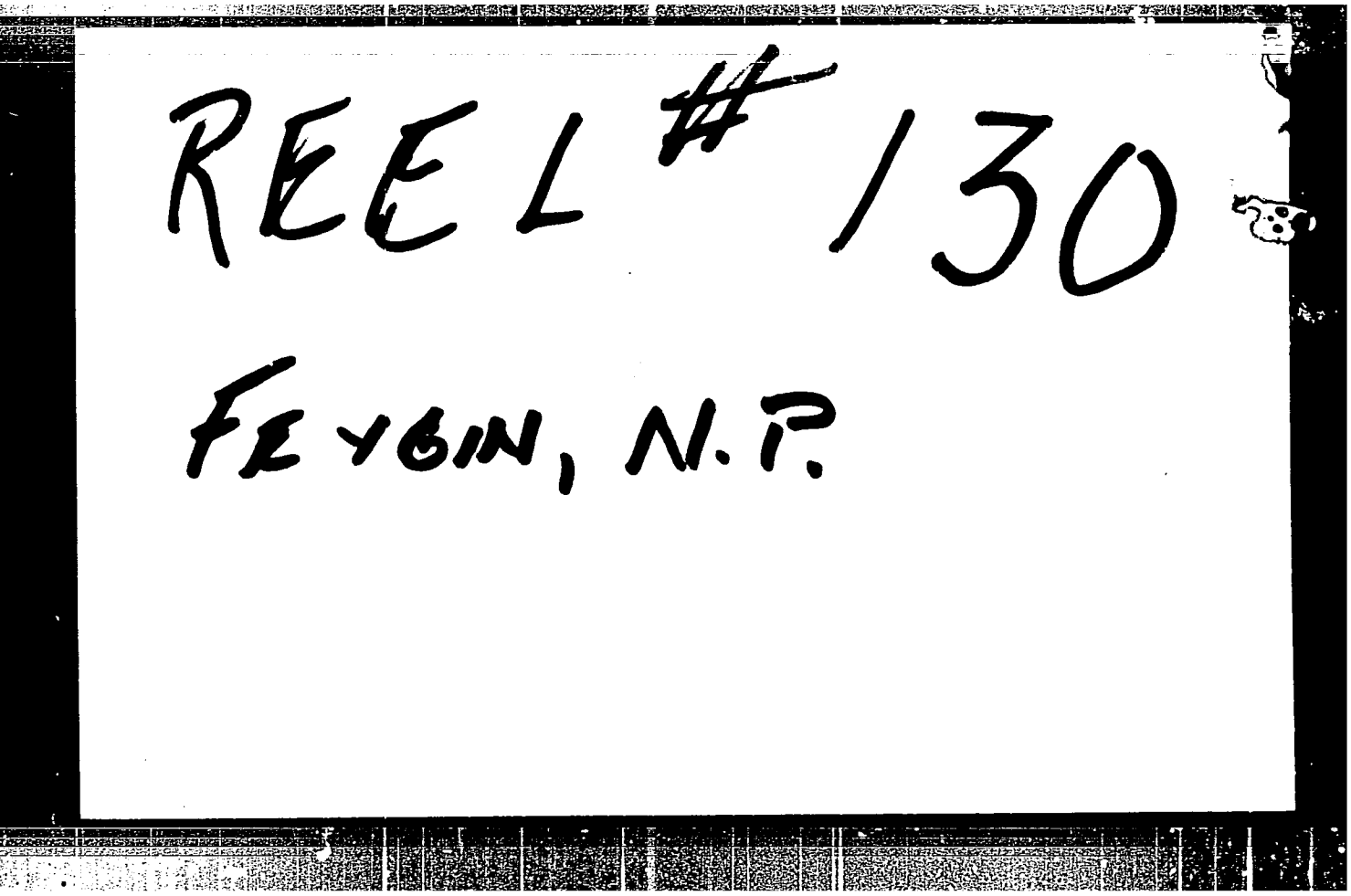


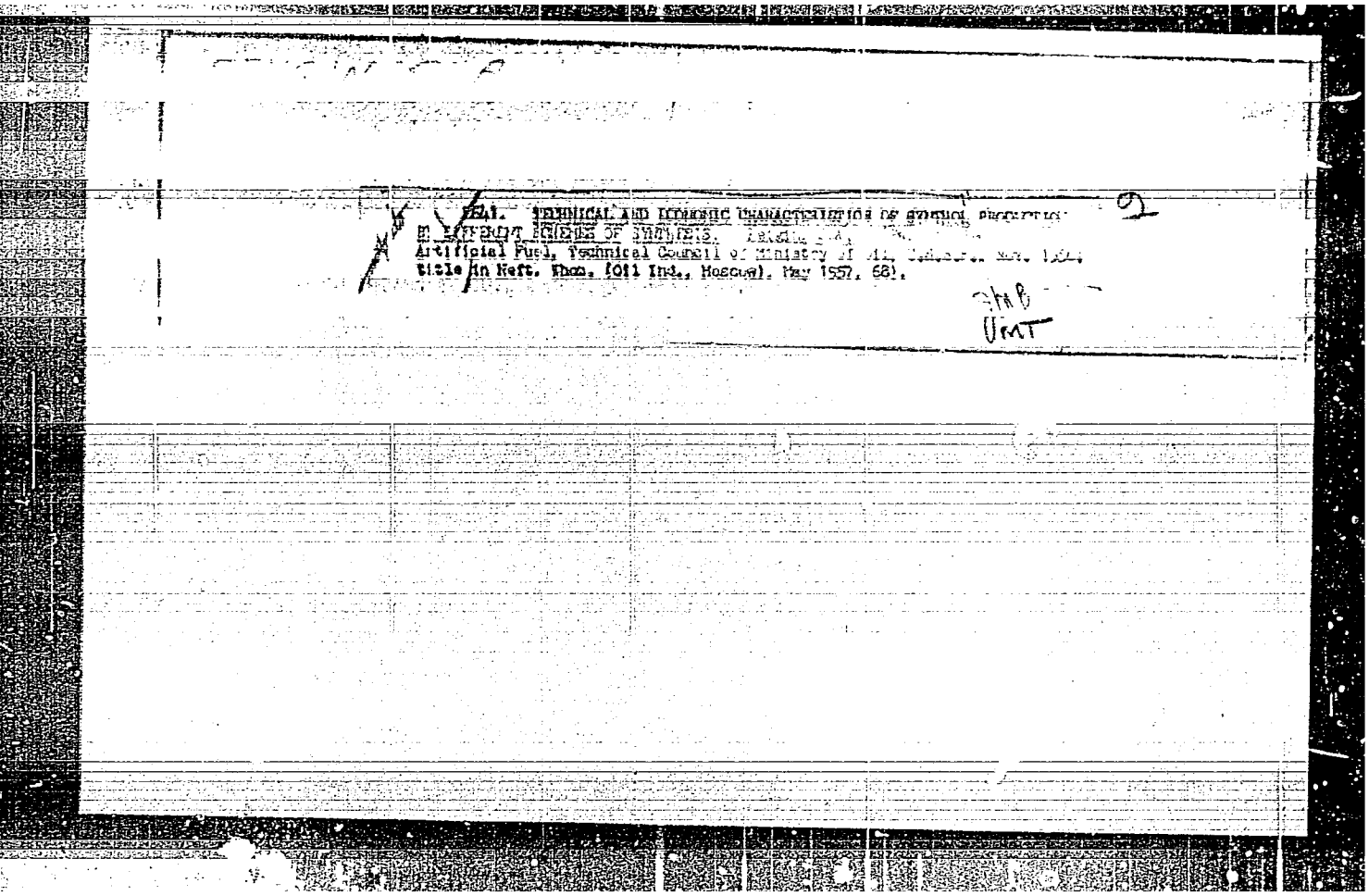
FRANTSUZOV, B.L., kand.med.nauk, POLYAK, L.A., FEYGIN, N.P., (kiyev)

Antibiotic therapy in chronic highmoritis. Vest.oto.-rin. 20 no.4 104-105 Jl-Ag '58 (MIRA 11:7)
(ANTIBIOTICS)
(SINUSITIS)

FEYGIN, N.P.

Morphological characteristics of palatine tonsils in dogs following ultrasonic irradiation. Zhur.ush., nos. i gorl. bol. 24 no.5:61-67 S-O '64. (MIRA 18:3)

1. Iz patomorfologicheskoy laboratorii (zav. - doktor med. nauk N.Ye.Botsman) Nauchno-issledovatel'skogo instituta otolaringologii Ministerstva zdravookhraneniya UkrSSR (dir. - zasluzhennyy deyatel' nauki prof. A.I.Kolomiychenko).



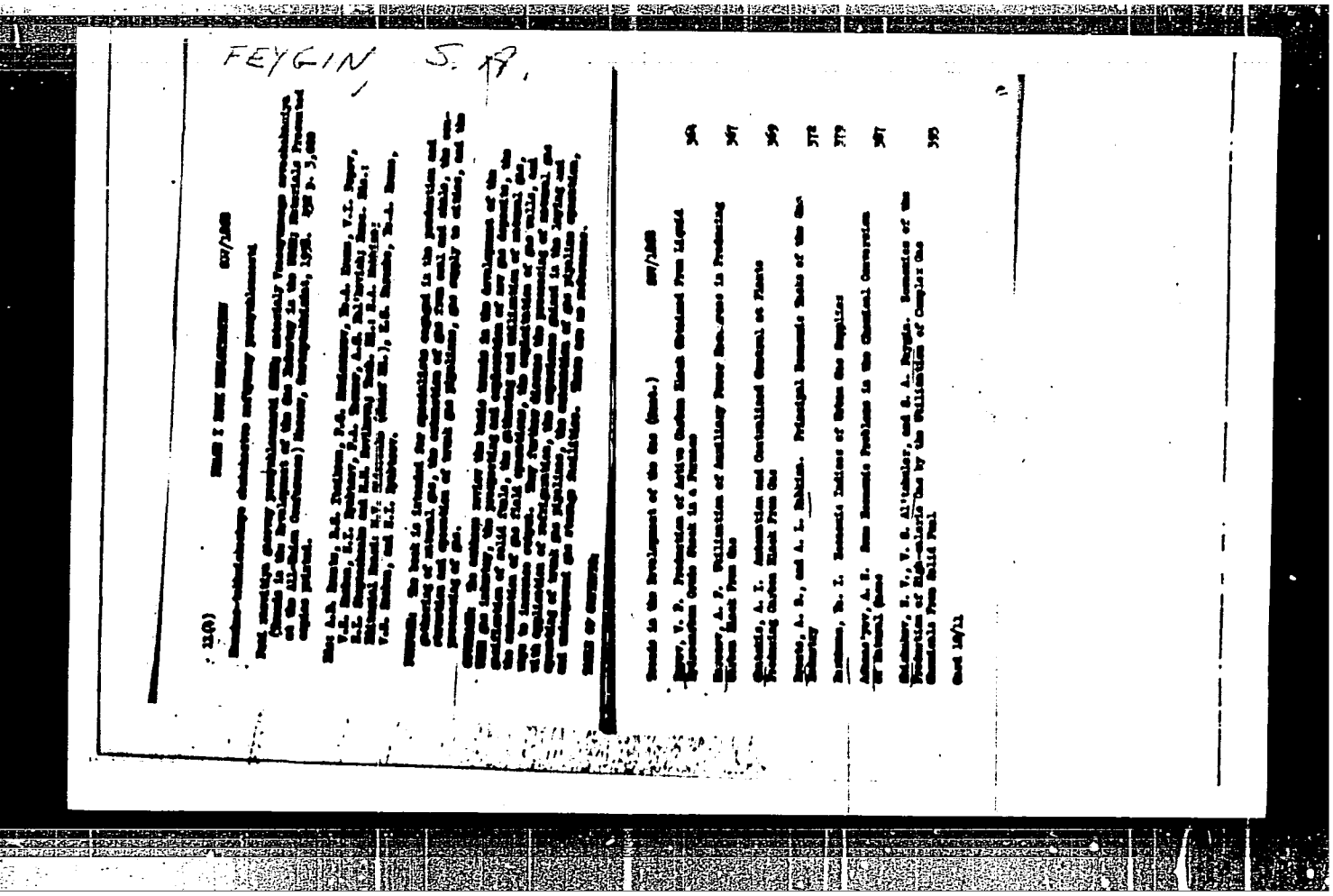
Title An Refr. Chem. Coll Ind., Moscow), May 1957, 681.

STAT

FEYGIN, S.A.; TYUFYAKIN, S.P.

Technical and economic indexes of the production of heating gas from oil-shale fines. Gaz. prom. no.3:9-11 Mr '57. (MIRA 12:3)

(Oil shales) (Gas manufacture and works)



FEYGIN, S. A.

11(2,7) PHASE I BOOK EXPLOITATION SOV/2416

Gazosnabzheniye vostochnykh rayonov SSSR na osnove gazifikatsii tverdykh topliv (Supplying the Eastern Regions of the USSR With Gas Produced by Solid Fuel Gasification) Moscow, Gostoptekhizdat, 1959. 214 p. 2,000 copies printed.

Ed.: N.V. Shishakov, Doctor of Technical Sciences; Executive Ed.: T. D. Yefremova; Tech. Ed.: A.V. Trofimov.

PURPOSE: This collection of articles is intended for designing, planning, and scientific research personnel, as well as for engineers, technicians, and students specializing in solid fuel gasification.

COVERAGE: This collection of articles describes the problem of supplying the eastern regions of the USSR with synthetic gas derived from the gasification of solid fuels to overcome that area's lack of natural gas. Individual articles discuss the distribution of the region's coal deposits, the quality and types of coal encountered, gasification process, and the economics involved in the production and supply of the synthetic gas product. The author thanks V.S. Al'tshuler, Doctor of Technical Sciences. References accompany each article.

AVAILABLE: Library of Congress (TP735.M92537)

FEYGIN, S.A.

PHASE I BOOK EXPLOITATION SOV/4579

Konferentsiya po razvitiyu proizvoditel'nykh sil Vostochnoy Sibiri, 1958. Khimicheskaya sektsiya

Khimicheskaya promyshlennost'; trudy konferentsii (Chemical Industry; Transactions of the Conference on the Development of Production Forces in Eastern Siberia) Moscow, Izd-vo AN SSSR, 1960. 202 p. (Series: Razvitiye proizvoditel'nykh sil Vostochnoy Sibiri) Errata slip inserted. 2,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil. Sibirskoye otdeleniye.

Editorial Board: I.P. Bardin (Deceased) Chief Ed., Academician; M.A. Lavrent'yev, Academician; S.I. Vol'fkovich, Academician, V.I. Dikushin, Academician; V.S. Nemchinov, Academician; V.I. Veyts, Corresponding Member, Academy of Sciences USSR; O.D. Levitskiy, Corresponding Member, AS USSR; N.N. Nekrasov, Corresponding Member, AS USSR; L.V. Pustovalov, Corresponding Member, AS USSR; T.S. Khachaturov, Corresponding Member, AS USSR; N.P. Rostovtsev, Academician, VASKhNIL; A.N. Popov, Corresponding Member, Academy of Building and Architecture USSR; L. Ye. Grafov, Deputy Chairman, Gosplan RSFSR; A.D. Gasbev, Member, Gosplan RSFSR; A. Ye. Probst. Professor; V.P. Vasyutin, Professor; V.A. Krotov, Professor; P.V. Vasil'yev, Doctor of Economic Sciences; G.I. Lyudogovskiy, Candidate of Technical Sciences; F.A. Letunov, Candidate of Geological and Mineralogical Sciences; and M.G. Shkol'nikov, Candidate of Economic Sciences: Editorial Board of this volume: S.I. Vol'fkovich (Resp. Ed.); G.V. Trubkov, Deputy Chairman, State Committee on Chemistry, Council of Ministers USSR; and V.P. Komarov, Docent; Ed. of Publishing House: A.L. Bankvitser; Tech. Ed.: V.V. Brusgal'.

PURPOSE: This book is intended for chemical engineers and economic planners concerned with the industrial development of Eastern Siberia.

COVERAGE: This volume is one of a series of 13 containing the Transactions of the Conference on the Development of the Productive Forces in Eastern Siberia. The Conference took place in August 1958. The volume contains summaries of 20 reports presented at the meetings of the Chemical Section of the Conference, brief summaries of pertinent discussions, and the text of resolutions taken by the Chemical Section. The reports deal with the possibilities of developing chemical industries in Eastern Siberia capable of producing artificial fibers, acetylene, plastics, synthetic detergents, synthetic rubber, mineral fertilizers, sulfuric acid, nitrogen, soda, chlorine, etc. No personalities are mentioned. There are no references.

Chemical Industry (Cont.) SOV/4579

Card 10/10

JA/dwm/mas
1-23-61

(7)

FEYGIN, S.A.

Technical and economic indices of the gas-chemical processing of unsorted oil shales. Trudy IGI 16:478-482 '61. (MIRA 16:7)
(Oil shale)

S/065/62/000/006/003/007
E075/E136

AUTHORS: Feygin, S.A., and Straume, M.K.

TITLE: On the method of estimating costs for petrochemical plants

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.6, 1962, 35-41

TEXT: A method of distribution of expenditure between the products and intermediates of petrochemical industries is described. For products derived from catalytic cracking, stabilized gasoline and its overhead fraction are included among the principal products. Heavy catalytic gas oil is costed in the same way as the feed for the process. The value of dry gas is estimated to be 20% higher than that of liquid boiler fuel or crude oil. For high temperature catalytic cracking the unsaturated hydrocarbons present in the dry gas are also considered as the principal product of the process. The value of saturated hydrocarbons is estimated to be 20% higher than that of crude oil. Light catalytic gas oil is considered as the

Card 1/3

On the method of estimating costs... S/065/62/000/006/003/007
E075/E136

principal product only if it is utilized for the production of carbon black. Hydrogen sulphide in the dry gas and overhead fraction is valued separately as source of sulphuric acid. It is proposed that the principal products of the separation of dry gases are hydrogen and ethylene. Propane-propylene fraction is valued according to the cost of the products of separation of the overhead fractions. The value of propane-propylene fraction is estimated to be the same as that of butane-butylene fraction and the value of pentane-amylene fraction the same as that of thermal cracking benzine. For the products resulting from catalytic reforming the authors consider that the valued product should be the total hydrogen-containing gas and not hydrogen only. The authors accept the estimate of Giproneftezavod in which the aromatic hydrocarbons are the principal products of the reforming process. The byproducts are valued as follows: motor gasoline as the feed oil; raffinates as the straight-run benzines; polymers as the crude oil. It is recommended that for the production of solid paraffins the principal products should be dewaxed oil and slack-wax. The recommentation of

Card 2/3

On the method of estimating costs ... S/065/62/000/006/003/007
E075/E136

Giproneftezavod to consider the soft waxes as principal products is accepted. For the production of fatty acids by the oxidation of paraffin waxes, the accepted principal products are C_5 - C_{20} acids. In the production of detergents all the propylene polymers are considered as the principal products, including the dimers. The 80-220 °C fraction of alkyl-benzenes is valued as benzine from catalytic cracking and the fraction boiling above 360 °C valued as boiler fuel.

ASSOCIATION: VNII NP

Card 3/3

40624

S/065/62/000/010/001/004
E194/E184

11 C132

AUTHORS: Feygin, S.A., and Buchina, L.I.

TITLE: Prospects of making and using gas turbine fuels

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.10, 1962, 42-46

TEXT: It is desired to use residual or heavy distillate fuels for gas turbines because diesel fuel, though suitable, is in short supply. The following maximum requirements apply to gas turbine fuel: vanadium 0.0005-0.001%; ash 0.03%; sulphur 3%; pour point +5 °C. Materials of suitable vanadium content include straight run distillates, and distillates obtained from thermal and catalytic cracking and from coke production. The economics of making gas turbine fuels from these materials are discussed and it is concluded that when making electrode carbon by slow coking of low sulphur crudes it is more economic to make gas turbine fuel than diesel fuel, partly because the motor gasoline yield is higher. With high sulphur crudes the advantages are greater because the diesel fuel requires hydrofining and the gas turbine fuel does not. Coking in a fluidised bed of heat transfer medium is also to be

Card 1/2

Prospects of making and using gas ... S/065/62/000/010/001/004
E194/E184

applied and in this case the gas turbine fuel will have a higher residual content and the motor gasoline yield is higher. Gas turbine fuel has not yet been made on a large scale from distillates of coke production, but available data point to the following conclusions. Gas turbines are still of lower efficiency than internal combustion engines but in making gas turbine fuel from low and high sulphur crudes the running and capital costs are only about half those of hydrofined diesel fuel and, therefore, considerable economy results from the use of gas turbines. This conclusion is supported by performance figures for ships' engines and locomotives.
There are 6 tables.

ASSOCIATION: VNII NP

Card 2/2

FEYGIN, S.A.; BASOV, A.N.; SHOLPO, I.N.; ZIL'BERMAN, F.Ya.

Economic prospect for the use of high-sulfur mazut by electric power plants. Khim.i tekh.topl.i masel 8 no.11:43-49 N '63. (MIRA 16:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

FEYGIN, S.A.; SHOLPO, I.N.

Petroleum crude as a source of ammonia. Neftepер. i neftekhim. no.8:31-33 '63. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

FEYGIN, S.A.; BURALEVA, A.I.

Expediency of the production of sulfur in petroleum processing plants. Khim.prom. no.1:20-21 Ja '64. (MIRA 17:2)

FEYGIN, S.A.; BASOV, A.N.; SHALPO, I.N.; BRANDOBOVSKAYA, L.A.

Economics of the refining of sour crude oil: a topic for discussion. Khim. i tekh. topl. i masel 9 no.5:44-48 5 My'64 (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

AGAFONOV, A.V.; ABAYEVA, B.T.; OKINSHEVICH, N.A.; PAKHNOYAN, P.N.; FINOGENOV, V.P.; LYSAKOV, G.A.; ZHADANOVSKIY, N.B.; FAYGIN, S.A.; KHOVSKIY, I.S.

Obtaining raw stock for the production of active carbon black by extraction with the selective solvents of the gas oils of catalytic cracking. Khim. i tekh. topl. i masel 9 no.7:36-39 Jl '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

FEYGIN, S.A.; BASOV, A.M.; KOSTYUKOVSKAYA, S.N.; [illegible], V.Kh.; KIEVLEYEV, M.A.; KOGAN, Yu.S.

Economic evaluation of the efficiency of alternatives for remodeling existing catalytic cracking units. Nefteper. i neftekhim. no.10: 11-14 '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

FEYGIN, S.A.; KHUPITSKIY, B.B.; KORYAGINA, L.A.

Prospects for the introduction of new methods for the production of benzene. Nefteper. i neftekhim. no.3:37-40 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.

L 41645-65 EPF(c)/EWT(m)/EWP(b)/T/EWP(t) Pr-4 WE/JD

ACCESSION NR: AP5006660 S/0065/65/000/003/0042/0045

AUTHOR: Feygin, S. A.; Karpichev, V. M.

TITLE: Prospects for the industrial introduction of a high temperature thermocontact cracking process

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 3, 1965, 42-45

TOPIC TAGS: Cracking, petroleum, mazut, fluidized bed, refining

ABSTRACT: The thermocontact cracking process on a fluidized bed, developed by VNIINP, is highly promising. The technology of this process permits creation of a mighty enterprise (over 3.0 million tons per year of mazut or 1.8-2.0 million tons per year of petroleum asphalt). Technical plans have been completed for the combined installation of "atmospheric distillation and thermocontact cracking on a fluidized bed" designed to process 3.0 million tons of petroleum annually. The thermocontact cracking process is flexible and, depending on the raw material and the processing conditions (principally the temperature), will permit production of a wide assortment of products (gasoline, diesel fuel, gas turbine fuel, raw material for catalytic cracking, boiler fuel and coke). The high temperature (600-515°C)

Card 1/2

L 41645-65
ACCESSION NR: AP5006660

variation of the thermocontact cracking process, developed at VNIINP, appears promising even for increasing the reserves of petrochemical raw materials. This variation of the process not only permits effective removal of the main mass of asphalt and tar substances in the form of coke from the heavy residues, and creation of a wide variety of products, but also significantly increases the yield of unsaturated hydrocarbons. A comparison was made of the two processes for cracking mazut: the yields of the various fractions were given. The economic features of the two processes were compared. The authors consider the high temperature variation of the thermocontact cracking process feasible for industrial operations. The problem of rational use of the 205-250°C fraction and the high sulfur coke must be solved to increase the effectiveness of the process. Orig. art. has: 5 tables.

ASSOCIATION: VNIINP

SUBMITTED: 00 ENCL: 00 SUB CODE: FP

NO REF SOV: 000 OTHER: 000

CC

Card 2/2

L 52569-65 EWT(m)/EPF(c)/T Pr-4 DJ

ACCESSION NR: AP5009899 UR/0065/65/000/004/0039/0043

AUTHORS: Feygin, S. A.; Bogacheva, L. G.; Chernyy, Yu. I.

TITLE: Prospects for introducing new purification processes in oil [illegible]

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 4, 1964, 39-43

TOPIC TAGS: petrolem industry, oil, distillation, lubricant, lubricating oil, filtration, adsorption dehydration, molecular adsorption, hydrogenation/ MS 20 residual oil

ABSTRACT: New processes for primary and secondary purification of crude oils are discussed. The two-stage de-asphaltizing of petrolem-asphalt by propane, combined with other purification methods, is recommended for the production of residual oils. This process results in an increased output of the products and a greater diversification of highly viscous oils. Because all the processes discussed produce similar results, the choice of procedure is determined by the oil quality required and by the available reagents. The duosol process is recommended for the production of residual oils of MS-20 type.\\Furfurol was widely used as a selective solvent in the production of distillate oil fractions from crudes low in tar and sulfur. The output of refined oils with furfurol purification exceeded by 5-6% the

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L 52569-65

ACCESSION NR: AP5009899

output of the phenol method, and consumed less energy. Because other processes differed little economically and technically from the furfurol process, their choice was also determined by the requirements of distillate oils. The adsorption purification method produced oils of the best color and coking capacity, and increased their output by 15%. The authors recommend that this process be further developed, that the production of synthetic adsorbents be increased and that the method of secondary contact purification be discontinued. The application of the deep hydrogenation at 50-70 atm pressure is also recommended for secondary purification of distillate and residual oils, especially at those plants with access to large quantities of hydrogen. The latter method is economical, improves oil quality, and can be applied to any type of crude and to the secondary products. Comparative production figures of oils purified by the various methods are tabulated. Orig. art. has: 3 tables.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: FP

NO REF SOV: 000 OTHER: 000

Card 2/2

[illegible], [illegible]; KI[illegible], V.[illegible]

Prospects for the utilization in the production of h[illegible] ture, thermal contact cracking processes. Khim. i [illegible] i masel 10 no.3:42-45 Mr '65. (MIRA 18:[illegible])

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po per[illegible] nefti i gazov i poluchenyu iskusstvennogo zhidkogo topliva.

LOVITSKAYA, I.V., nauchnyy sotrudnik; FEYGIN, S.L., nauchnyy sotrudnik

If you want to be healthy. Nauka i zhizn' 27 no.8:28-30 Ag '60. (MIRA 13:9)

1. Leningradskiy nauchno-issledovatel'skiy institut fizkul'tury.
(Physical education and training)

FEYGIN, S.L.

Familial alopecia areata. Vest.derm.i ven. 35 no.1:84 Ja '61.
(MIRA 14:3)

1. Iz Yurginskogo kozhno-venerologicheskogo dispansera Kemerovskoy oblasti (glavnyy vrach S.L. Feygin).
(BALDNESS)

FEYGIN, S.Ye., inzh.

Effectiveness of increasing the operating period between general overhauls of boiler and turbine equipment of electric power plants. Elek. sta. 36 no.10:27-30 O '65.

(MIRA 18:10)

FEYGIN, Ye.S.

Sanitary conditions of the Oka River at Ryazan. Gig. i san. no.10:46 O '55. (MLRA 9:1)
(OKA RIVER--POLLUTION) (RYAZAN'-WATER--POLUTION)

FEYGIN, T. S. Cand Med Sci -- (diss) "Dysentery bacteria and bacteriophage, which destroys dysentery stimulants, in the open reservoirs of the city of Ryazan," Ryazan, 1959, 24 pp, 250 cop. (Ryazan Medical Institute im Acad. I. P. Pavlov) (KL, 45-60, 129)

FEYGIN, T.S.

Sanitary indications in the detection of bacteriophage lysing dysentery pathogens in the water of open reservoirs. Zhur. mikrobiol., epid. i immun. 40 no.11:132-137 N '63. (MIRA 17:12)

1. Iz Vil'nyusskogo instituta epidemilogii i gigiyeny.

FEIGIN, V.

FEIGIN, V. Kustarno--remeslennaia promyshlennost' SSSR. Moskva, Moskovskii rabochii, 1927. 127 p.
NN DLC: HD2346.R8F4

SO: LC, Soviet Geography, Part I, 1951, Uncl.

FEYGIN, V., inzhener.

Giant controlled by electrons. Tekh.mol.23 [i.e24] no.7:12-13 Jl '56. (Automatic control) (Rolling mills) (MIRA 9:9)

FEYGIN, V.A., inzh.

Work of the Scientific-Technological Society of the White Russian Machinery Industry should contribute to the solution of vast problems. Mashinostroitel' no.9:47 S '59. (MIRA 13:2)

1.Zamestitel' predsedatelya Pravleniya nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti Belorussii.
(White Russia--Research, Industrial)

FEYGIN, V.A., inzh.

Mechanization of auxiliary operations in forge shops. Mekh. i avtom. proizv. 16 no.6:28-29 Je '62. (MIRA 15:6)
(Forge shops--Technological innovations)

FEYGIN, V.A.

Conference of cutting-tool industry workers in White Russia. Stanok instr. 34 no.2:45 F '63. (MIRA 16:5)
(White Russia—Machine-tool industry)

FEYGIN, V. I.

"Single Armature Cascade Booster with the "Rototrol' Exciter," Elektrichestvo, M No. 2, 1948.

Engr. Cen. Lab of Automatics, Ministry of Ferrous Metall USSR.

FEYGIN, V. I.

USSR/Engineering Sep 48
Regulators, Automatic
Furnaces, Electric Arc

"Automatic Regulators for Arc Steel Melting Furnaces, Equipped With 'Regulex' Electromechanical Boosters," Yu. I. Yefroymovich, Cand Tech Sci, V. I. Feygin, Engr, Cen Lab of Automatics, Min of Ferrous Metals, 3-pp

"Prom Energet" No 9

Present trend in designing regulators for subject furnaces is to replace relay-contact circuits by electromachine automatic circuits. Research is being carried out in VEI (All-Union Electrotech Inst) and

30/49T68

USSR/Engineering (Contd) Sep 48

TsLA (Cen Lab of Automatics). Existing regulators are of rotctrol or regulex type. Former described in previous article (see 32T5). Here, gives detailed account of construction and performance of regulex type, with one circuit diagram, and three graphs.

30/49T68

FEYGIN, V. I. PA 55/49T51

USSR/Engineering May 49
Electrothermal Equipment
Automatic Control

"Review of 'Electrothermics,'" V. I. Feygin, Engr, 1 p

"Elektrichestvo" No 5

Book is symposium of technical and informative material on research, design and manufacture of electrothermal equipment. Points out absence of material on induction smelting furnaces for ferrous metals and on ferroalloy arc furnaces. In addition, problems of automatic control [illegible]

55/49T51

USSR/Engineering (Contd) May 49

and regulation of electrothermal units are insufficiently covered. Over half of the articles are theoretical; general level of articles differs widely. Reviewer recommends establishment of new electrothermal journal.

55/49T51

FEIGIN, V.I. 0000000

PHASE I TREASURE ISLAND BIBLIOGRAPHIC REPORT

BOOK

Call No.: TN686.T54

Authors: EFROIMOVICH Yu.E., Cand. of Tech. sciences
KRICHEVSKIY, G.M., Engineer
LEVITANSKIY, B.A., ENgineer
MALAYA, R.Yu., Cand. of Tech. Sciences, deceased
NEIFAKH, G.M., Cand. of Tech. Sciences
POPOV, M.D., Engineer
SMORODINSKIY, I. M., Cand. of Tech. Sciences
SOSUNOV, V.N., Engineer
STASYUK, V.N., Engineer
TAITS, A.A., Engineer
FEDOSEEV, L.M., Engineer
FEIGIN, V.I., Engineer
CHELYUSTKIN, A.B., Engineer
SHFRENTSIS, A.N., Engineer

Full Title: A HANDBOOK FOR ELECTROTECHNICAL PERSONNEL IN FERROUS METALLURGICAL INDUSTRIES.

Transliterated Title: Spravochnik elektrika predpriyatii chernoi metallurgii

Publishing Data

Originating Agency: None.

Publishing House: State Publishing House of Scientific-Technical Literature on Ferrous and Nonferrous Metallurgy (Metallurgizdat). Moscow.

Date: 1962 No. pp.: 1167 No. copies: 14,000

1/2

FEIGIN, M.I.

00000058

2/2

Call No.: TN686.T54

Full Title: A HANDBOOK FOR ELECTROTECHNICAL PERSONNEL IN FERROUS METALLURGICAL INDUSTRIES

Editorial Staff

Compiler: Tikhomirov, I.G., Engineer
Editors: Shalyapin, M.G.
Levitanskiy, B.A.

Tech. Ed.: None.
Appraiser: None.

Text Data

Coverage: A detailed handbook containing technical data on specifications, standards, design and operation of various types of electrical equipment in ferrous metallurgical industries: electric power supply plants and their distributing systems, transforming stations and transmission lines (high and low tension), blast furnace works, rolling mill plants, open-hearth plants, mines, electrical steel smelting and ferroalloy furnaces, sintering plants, coke plants, and electrical transport. Tables and diagrams. Subject index.

Purpose: A handbook for electrotechnical personnel, engineering technicians, machine operators, and planning personnel of metallurgical industries.

Facilities: None.

No. of Russian references: References listed at end of each chapter.

Available: Library of Congress.

FEYGIN, V.I.

FEYGIN, V.I.; CHELYUSTKIN, A.B., redaktor; SIDOROV, V.N., redaktor; VAYNSHTEYN, Ye.B., tekhnicheskiy redaktor

[Electric-machine power booster in rolling mills] Elektromashinnye usiliteli v prokatnykh tsekhakh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 83 p. (MIRA 8:4)
(Electric generators) (Boosters, Electric)

ФЕЙГИН В.И.

ZHIRYAKOV, N.I.; LESYUK, B.Z.; RABINOVICH, B.V.; SOZAYEV, S.M.; FEYGIN, V.I.

Automatic control in the production of zinc. TSvet. met. 27 no.1: 30-41 Ja-F '54. (MLRA 10:9)
(Automatic control) (Zinc--Metallurgy)

CHELYUSTKIN, A.B.; ROZENMAN, Ye.A.; FEYGIN, V.I., redaktor; NEPOMNYASHCHIY, N.V., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Automatic control of rolling-mill machinery] Avtomaticheskoe upravlenie prokatnymi stanami. Izd.2-oe, perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii. 1955. 614 p. (MLRA 8:12)
(Rolling-mill machinery)

FEYGIN, Viktor Iosifovich; DOKUKINA, Ye.V., redaktor; SUSHKIN, I.N., redaktor izdatel'stva; EVENSON, I.M., tekhnicheskiy redaktor.

[Dynamoelectric amplifiers used in rolling mills] Elektromashinnye usiliteli v prokatnykh tsekhakh. Izd.2-oe, dop. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 101 p. (MLRA 10:6)
(Electric controllers) (Electric driving)
(Rolling mills)

137-58-5-8858

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 16 (USSR)

AUTHORS: Feygin, V.I., Zhiryakov, N.I.

TITLE: A Computer-relay Circuit System for the Automation of Certain Technological Processes (Schetnaya releynaya skhema dlya avtomatizatsii nekotorykh tekhnologicheskikh protsessov)

PERIODICAL: Sb. statey po energetike. Moscow, Metallurgizdat, 1957, pp 302-309

ABSTRACT: Computer-relay circuit systems may be successfully employed in the design of certain automatic systems intended to perform control functions relative to production machinery. A computer-relay system is described which is capable of adding and subtracting electrical impulses. The circuit comprises an input circuit unit and a computer circuit unit. The input circuit unit reacts to the sign of the impulse and segregates odd and even impulses. The computing circuit unit contains n computing relays, where n is the maximum value of an algebraic sum of impulses for which the system is

Card 1/2

A Computer-relay Circuit System for the Automation (cont.)

designed. The paper describes the employment of the computing circuits in the automatic regulation of a rolling mill and in various temperature-control systems.

V.K.

1. Mathematical computers--Circuits 2. Industrial production--Equipment

Card 2/2

FEYGIN, V.I.

ALIMOV, I.S., inzhener; BOGUSLAVSKIY, I.M., inzhener; ZHIRYAKOV, N.I., inzhener; FEYGIN, V.I., inzhener.

Equipment for preventing overheating. Priborostroenie no.7:28-30 Jl '57. (MLRA 10:9)
(Thermostat)

FEYGIN V.I.

AUTHORS: Zubkov, G.A. and Feygin, V.I. 127-11-10/12

TITLE: Automation and Dispatching in the Ore-Mining Enterprises (Avtomatizatsiya i dispetcherizatsiya na gornorudnykh predpriyatiyakh)

PERIODICAL: Gornyy Zhurnal, 1957, # 11, pp 64-72 (USSR)

ABSTRACT: The authors describe the work performed by the Designing Bureau of the "Tsvetmetavtomatika" Trust (КБ ЦМА) on the automation and dispatcher control of processes in the ore-mining enterprises. Designs and schemes of the developed equipment are briefly described. A set of signalization, centralization and blocking equipment for the control of underground transport, СЦБ , has been contructed. The set includes: a dispatcher panel, relay-cases, inlet-distributing boards, devices for communication with portable and stationary objects, switch drives, traffic lights, relay and cable cases, pulse indicators, etc. The large-scale manufacture of this equipment has begun in the "Tsvetmetpribor" Plant in Nal'chik. Automatic ventilation doors for the mines of non-ferrous metallurgy have been designed to operate concurrently with the СЦБ - and dispatcher systems. The door is moved by a 180-w electric motor. New communications means have been constructed for dispatcher control: loudspeaking communication apparatus of the ПГСП

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3-120 type for underground operation which contains only semiconductor elements; high-frequency installations for loud-speaking communication of the ВЧЗ-1м type high-frequency installation for information, search and communication of the ВСО-124 type, etc. High-frequency equipment with semiconductor elements for communication with a moving shaft cage has been constructed and put into operation in one mine in Degtyarka. At the present time, a system of automatic and remote control of shaft mechanisms is being designed; only one worker, the cager, will be needed to operate mechanisms in all horizons of a mine. As soon as television sets are installed in all the horizons, the operation of shaft mechanisms and the mine car-exchange will be carried out automatically, even without a cager. In 1955, Tsvetmetavtomatika and Gintsvetmet designed standard installations for the automation of mining pumping. Since 1956 these installations have been manufactured by the Tsvetmetpribor Plant. Tsvetmetavtomatika has designed АТВ-229 apparatus for temperature protecting of electric motor windings and bearings by means of thermistors connected with relays. The relays can be fixed for various critical temperatures from 80° to 110° C with intervals of 10°. Experimental consignments of these devices with ТР-33 thermistors are being manufactured

by the Tsvetmetavtomatika, and beginning from 1958 their [illegible] production is planned in the L'vov plant "Termopribor". Tsvetmetavtomatika together with the Degtyarka Mining Administration are developing a system of electric locomotives remote control from a switchboard located at a loading (or unloading) point. Tsvetmetavtomatika carries out designing, manufacturing and introducing dispatcher control systems into operational mines. Standard devices manufactured by industry are used for this dispatcher control. However, some special indicators have been designed and are being designed for the control of some parameters. In particular, a special gamma-relay has been developed for the control of the ore level in hoppers. The relay operates on semiconductor elements and cobalt radioisotopes. The article contains 10 photos, 1 figure and 10 Slavic references.

AVAILABLE: Library of Congress

Card 3/3

SOV/136-58-6-8/21

AUTHORS: Feygin, V.I. and Zhiryakov, N.I., Boguslavskiy, I.M.

TITLE: Automation of Rolling Mills in Non-ferrous Metallurgy (Avtomatizatsiya prokatnykh stanov v tsvetnoy metallurgii)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 6, pp 42 - 52 (USSR)

ABSTRACT: This article deals mainly with work done by the KB Tsvetmetavtomatika on the automation of the three-high hot-rolling mill at the imeni S. Ordzhonikidze Works and of the reversing cold strip mill at the Kirovskiy zavod (Kirov Works). The work on the first was carried out with the participation of B.S. Fradkin, V.S. Morozov and A.A. Vasil'yeva. This mill rolls mainly billets of type L-62 (115 x 800 x 600 mm) and L-90 (100 x 800 x 350 mm) brass into coiled strip (4.0 - 6.0 mm thick) or sheet (15 mm thick), generally in nine passes. The first stage of automation embraces all the operations, previously carried out by the operator, all the roller tables, the tilting lifts, the middle-roll moving mechanism and the screw-down to a programme, synchronization of the roller speeds with that of the rolled strip to avoid surface damage. The operator now merely selects the appropriate programme and looks after the mechanisms; the arrangement (Figure 3)

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does provide for immediate manual take-over. The authors describe the system in detail and state that experience has shown that the automation had led to some process advantages and a 2% increase in rolling rate; the power of the motor preventing further improvements; almost all occasions of manual take-over were due to outside factors; the scatter in the thickness of the product was 35% less than with manual control. The automation of cold-rolling mills was started at the end of 1956. With the participation of B.M. Avdeyev and S.I. Alimov, the 250 four-high mill for cold-rolling brass from 1 to 0.4 mm at rolling speeds up to 3.5 m/sec has been automated, some original (Ref 4) proposals as well as some made by the TsKB "Elektroprivod" (Ref 5) and TsNIITMash (Ref 6) being used. For the continuous measurement of metal pressure on the rolls, a strip strain gauge (Figure 4) is used, provision being made for calibration directly in the mill, according to a proposal by Ye.S. Rokotyan and I.M. Meyerovich of TsKBMM of TsNIITMash. When the pointer on the indicating instrument reaches the maximal desired value of the pressure, it operates a photo-relay to produce the appropriate change

Automation of Rolling Mills in Non-ferrous Metallurgy

at the stand. For the continuous thickness control of the strip, the system adopted (Figure 5) is based on two radioactive isotope devices, one before and the other after the mill. An integrating device (Figure 6) is included in the system to ensure that only sufficiently important changes in thickness operate the control system. For stopping the rolls just before the end of the strip reaches them, a system (Figure 7) based on counters of the number of turns of strip on the coilers is used; for thicker strip (0.7 mm and over) the metal is allowed to leave the coilers but not the rolls, the control being effected with the aid of a small, type FR-236 photo-relay (Figure 8). In 1957, the KB TsMA studied the indirect measurement of roll temperature from that of a small volume of air in contact with the rolls. Model tests have shown an error of ± 3 °C for an ambient temperature of 20 ± 5 °C.

SOV/136-58-6-8/21

Automation of Rolling Mills in Non-ferrous Metallurgy

There are 8 figures and 6 Soviet references.

ASSOCIATION: KB Tsvetmetavtomatika

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9(6); 18(5) PHASE I BOOK EXPLOITATION SOV/2851

Feygin, Viktor Iosifovich

Elektronnyye pribory v metallurgii (Electronic Instruments in Metallurgy) Moscow, Metallurgizdat, 1959. 221 p. Errata slip inserted. 6,100 copies printed.

Ed.: B. V. Rabinovich; Ed. of Publishing House: T. I. Kiseleva, Engineer; Tech. Ed.: P. G. Islent'yeva.

PURPOSE: This book is intended for foremen and skilled workers of laboratories and industrial control rooms.

COVERAGE: The author presents brief information on the electron and the electric field and discusses the principle of operation and construction of electron tubes and photocells. He describes electronic devices, including devices for automatic control of industrial processes in metallurgical plants, and presents a brief discussion of automatic measuring instruments using radioactive isotopes. The author thanks B. A. Letitanskiy,

Card 1/4

Engineer, for reviewing the text and S. Z. Grinberg, Engineer, for his help in preparing the manuscript for printing. There are 10 references, all Soviet.

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AVAILABLE: Library of Congress

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JP/jmr
1-20-60

14(5)

SOV/127-59-3-11/22

AUTHORS: Feygin, V.I. and Fromberg, A.B., Engineers

TITLE: Devices for the Protection of Bushings and Electric Motors From Overheating. (Apparatura dlya zashchity podshipnikov i elektrodvigateley ot peregreva)

PERIODICAL: Gornyy zhurnal, 1959, Nr 3, pp 41-45 (USSR)

ABSTRACT: On the basis of research conducted by the institut elektrotekhniki AN UkrSSR (The Electro-Technical Institute of the AS UkrSSR) and the Institut Energetiki AN BSSR (The Power Institute of the AS BSSR) the Design Office of Tsvetmetavtomatika developed a universal device for protecting bushings and windings of electric motors from overheating. The device (ATV-229) was built-in to motors of ventilators for local ventilation in the Degtyarka Copper Mine. Its working is based on the property of some thermoresistances to instantly reduce their resistance when a certain temperature is reached.

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Devices for the Protection of Bushings and Electric Motors From Overheating.

The Tsvetmetpribor Plant is producing this equipment. In 1958, a new device, called temperature signalizer ST-12, was developed. This device guards against the simultaneous overheating of 12 points of the motor, thus replacing twelve ATV-229 devices. There are 2 varieties of this device, the ST-12c-234 (figure 3) for automatic control of circuits, and the ST-12r-224 for manual control. The feelers of the device are semiconductor thermoresistances with relay characteristics. Thermo-resistances fixed on bushings or windings of motors are connected in series with electro-magnetic relays. The feeding of feeler circuits is made through a regulated transformer, four rectifiers assembled on germanium

Devices for the Protection of Bushings and Electric Motors From Overheating.

diodes and a voltage divider. When overheating occurs in one of the 12 controlled points, a corresponding relay plugs in a general warning and a lamp is lighted which indicates the overheated point. There are 2 schemes and 1 photo.

ASSOCIATION: Tsvetmetavtomatika, Moscow

Card 3/3

SOV/137-59-12-26587

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 12, p 119 (USSR)

AUTHORS: Alimov, S.I., Zhiryakov, N.I., Feygin, V.I.

TITLE: An Automatic Programming Controller of the Heat Treating Process for Tungsten and Molybdenum Rods

PERIODICAL: Sb. materialov po avtomatiz. proiz. protsessov i dispetcherizatsii, Nr 3, Moscow, 1958, pp 84 - 93

ABSTRACT: The regulator is intended for automatic current control according to the given program in welding W and Mo rods. A "D-33" type ampère-meter of the ferrodynamic system serves as a unit to measure the irtensity of the welding current through the transformer. The program is set-up by shaped cams rotated by a synchronous motor. The basic part of the controlling device consists of the "MRShch-PR" (or ERM-47) electronic unit of the regulator; the inductive coils are fastened on the master device (zadatchik) and the foil flag-indicators which can enter into the gaps between the coils are fastened to the pointer. Relay coils are switched

Card 1/2

An Automatic Programming Controller of the Heat Treating Process for Tungsten and Molybdenum Rods

into the electron unit outlet; they control the reversible contactors of the potential-controller motor. The controller makes it possible for one operator to attend 8 - 12 welding machines, raising efficiency by a factor of two and ensuring the strict maintenance of the set-up conditions for heating-up the rods.

A.S.

FEYGIN, V. I.

report to be presented at the 1st Intl Congress of the Intl Federation of Automatic Control, 25 Jun-5 Jul 1960, Moscow, USSR.

BYKHOVSKIY, M. L. - "Ultra stability in electronic calculating devices in the solution of nonlinear equations in indefinite form"
CHELYUSTKIN, A. B. - "Use of calculating devices in systems for the automatic control of rolling mills"
CHICHINADZE, V. K. - "Concerning some problems of the organization of self-adjusting and self-teaching systems of automatic control, based on principles of random search"
DAVYDOV, N. I. - "Development of automatic control systems for boiler units"
DUDNIKOV, Ye. G. - "Determination of optimum adjustments of industrial automatic regulation systems according to initial data obtained from experience"
DUB'YE, A. I., and ROZENVASSER, E. N. - "Methods of organizing Lyapunov functions in the theory of nonlinear regulating systems"
DRUZHININ, N. N. - "Balanced regulation and inter-communications of a multi-motor electric drive and technology in continuous rolling mills"
FEL'DBAUM, A. A. - "Problems of statistical theory of automatic optimization systems"
FEYGIN, V. I. - "Automation of a reversible cold rolling mill for nonferrous metals"
FILIPPOV, A. F. - "Application of the theory of differential equations with a discontinuous right side to nonlinear problems of automatic regulation"
GAVRILOV, M.A. - "Structural surplus and operational reliability of relay devices"
GANKIN, M. Z. - "Automation of irrigation systems"
GERCHUNSBERG, G. R., KASHTELYAN, V. E., KOSTENKO, M. P., NEYMAN, L. R., and SIRKY, N. S. - "Power regulation of disturbance and problems of the stability of electric power systems"
GIRSHOVICH, S. A. - "Logical method of synthesis of functional converters"
IL'IN, V. A. - "Methods of transmission of information and the structure of telemechanical systems for dispersed structures"
ILOBOV, V. L., and LUTSKIY (fnu) - "The code-impulse system of telemeasurement for dispatched operations of trunk-line gas pipe lines"
IVAKHNENKO, A.G. - "Concerning the application of the theory of combined regulation systems for cybernetic adaptation systems"
KARANDEYEV, K. B., and SHTAMBERGER, G. A. - "A quasi-equilibrated bridge as an element in a system of automatic control"
KAZAKEVICH, V. V. - "Concerning the process of extra regulation of inert objects in the presence of disturbance"
KAZAKOV, I. E. - "Some problems of the theory of statistical linearization and its application"
KILIN, F. M. - "Some problems of the theory of impulse systems with time selectors"
KOGANOVSKIY, A. E., BOLKHOVITIN, S. V., VOSKRESENSKIY, L.M., IOFFE, D. M., POLYAN, E. P., POPOV, B. P., SLAVINSKIY, Ya. L., SYSIN, A. Ya., and ZAKSON. Ya. S. - "The problem of bioelectric control"
KOLOMIYETS, B.T. - "New types of photo resistances and their field of use"
KOROBKO, M.I., MIKHAYLOV, B. G., and SEDOLOV, K. A. - "System of automatic control and regulation of blast distribution in the tuyeres of blast furnace"
KOROBOCHKIN, B. L. - "Investigation of the dynamics of the hydraulic duct of a copying lathe"
KRASOVSKIY, A. A. - "Dynamics of continuous systems of automatic regulation with extra self-adjustment of corrective devices"
KRASOVSKIY, N. N. - "Concerning the selection of parameters of optimum stability systems"
KUKHTENKO, A. I. - "The dynamics of devices imitating living organisms"
KULEBAKIN, V. S. - "The invariant theory of automatic regulation and control systems"
LAKIN, I. D. - "Pneumatic calculating devices as a means of insuring the reliability of complex automation systems"
LAZAREV, V. and PARKHOMENKO, P.P. - "Mechanization of processes of analysis and synthesis of the structure of relay devices"

BOGULAVSKIY, I.M.; ZHIRYAKOV, N.I.; FEYGIN, V.I.

Automation of a reversing mill for cold rolling of nonferrous metals. Sbor.mat.po avtom.proizv.prots.i disp. no.5:72-93 '60. (MIRA 14:4)

1. Konstruktorskoye byuro "TSvetmetavtomatika."
(Rolling mills) (Automation)

S/569/61/006/000/005/008
D201/D303

AUTHOR: Feygin, V. I. (USSR).

TITLE: Automation of the reversible non-ferrous metal cold-rolling mill

SOURCE: International Federation of Automatic Control. 1st Congress, Moscow, 1960. Trudy, v. 6. Avtomatizatsiya proizvodstvennykh protsessov; khimiya, neftepererabotka, teploenergetika, yadernaya energetika, metallurgiya. Moscow, 1961, 421-430

TEXT: The author describes three automatic controls as developed by the design office of "Tsvetmetavtomatika" for control of four-high-250 non-ferrous metal rolling mills. The complete units are now in production and proved to be a success. A reversible four-high-250 non-ferrous metal rolling mill consists of a cage with two reels and is used for brass rolling. The rolling reduction program is 1.0 - 0.75 - 0.6 - 0.5 - 0.4 mm. The working rollers are 250 mm in diameter, end rollers of 750 mm diameter and the

Card 1/3

body length of 800 mm. Rolling speed = 3.5 m/sec; cooling of rollers with emulsion. The electric drive consists of a generator-motor system, the feed d.c. motor power is 300 kW, 450/900 r.p.m., 440 V. Gear reduction ratio = 3.37. The three automatic controls were applied as follows: 1) The system of automatic control of the strip thickness makes the thickness more uniform and uses the maximum possible rolling speed. The sensing elements of the system are the isotope thickness gauges type ИГУ-495 (IGU-495) placed on both sides of the cage and determine the thickness from the amount of absorbed ß-radiation. 2) The automatic mill stop system (AMSS): Thin tapes are usually rolled without their ends leaving the reels. The AMSS stops the mill at the required instant, by starting the braking at the optimum instant from the count of number of tape turns remaining in the reel. The turns-counting arrangement is electromechanically coupled either with the reel or motor shaft of the program controller and automatically stops the rolling mill in accordance with the given length of the unrolled tape remaining on the reel. 3) Automatic control system of metal against rollers pressure: The sensing elements are tension-gauge resistances,

Automation of the reversible ...

glued to the internal surface of a glass cylinder under pressure. The tension-gauges can be calibrated directly on the mill. The described system of automatic control of reversible rolling mills has reduced considerably the discrepancies in the rolled tape thickness and made it possible to operate the mills at pressures within 5% of nominal, thus reducing the wear of the rollers and finally increased the overall efficiency by reducing losses due to the rejects and waste due to the non-processed ends of the tape. A. B. Chelyustkin (USSR) and B. N. Dralank (USSR) took part in the discussion. There are 5 figures.

Card 3/3

ZUBKOV, G.A., inzh.; FEYGIN, V.I., inzh.

Over-all mechanization and automation is the decisive factor in the future growth of labor produtivity in mines. Gor. zhur. no.6:3-6 Je '62. (MIRA 15:11)

1. Konstruktorskoye byuro TSvetmetavtomatika, Moskva.
(Mining engineering—Equipment and supplies)
(Automation)
(Labor productivity)

FEYGIN, V.I.

Automation of production processes in nonferrous metallurgy.
Mekh.i avtom.proizv. 16 no.11:30-33 N '62. (MIRA 15:12)

1. Glavnyy konstruktor konstruktorskogo byuro "TSvetmetavtomatika".
(Nonferrous metals—Metallurgy)
(Automation)

FEYGIN, Viktor Iosifovich

[Electronic and semiconductor instruments in metallurgy] Elektronnye i poluprovodnikovye pribory v metallurgii. Moskva, Izd-vo "Metallurgiia," 1964. 386 p. (MIRA 17:7)

L 1653-66 EWT(m)/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HW

ACCESSION NR: AP5021620 UR/0286/65/000/013/0101/0101
621.979.984.002.54

AUTHOR: Shofman, L. A.; Gedymin, Yu. Yu.; Moshkov, V. M.; Starikov, V. S.; Kryuchkov, M. V.; Davydov, G. V.; Akhmetshin, M. A.; Kvitnitskiy, A. N.; Rogozinskiy, A. A.; Peygin, V. L.; Yegorov, I. V.; Roytberg, L. Kh.; Yermanok, M. Z.; Rodionov, A. S.

TITLE: Method for tube extrusion. Class 49, No. 172601

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 101

TOPIC TAGS: metal, metal tube, metal extrusion, tube extrusion

ABSTRACT: This Author Certificate introduces a method for tube extrusion from solid ingots. In this method the metal is first divided into several strips which are subsequently welded in the next die. In order to reduce the extrusion pressure, the diameter of the ingot should be smaller than that of the extruded tube. [AZ]

ASSOCIATION: none

SUBMITTED: 30Jan62 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4095

Card 1/1

L 1655-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c)
JD/HW
ACCESSION NR: AP5021621

UR/0286/65/000/013/0102/0102
621.979.984.002.5b

AUTHOR: Shofman, L. A.; Gedymin, Yu. Yu.; Roshkov, V. M.; Starikov, V. S.; Kryuchkov, M. V.; Davydov, G. V.; Akhmetshin, M. K.; Kvitnitskiy, A. N.; Rogozinskiy, A. A.; Yevgin, V. I.; Yegorov, I. V.; Roytbarg, L. Kh.; Yermanok, M. Z.; Rodionov, A. S.

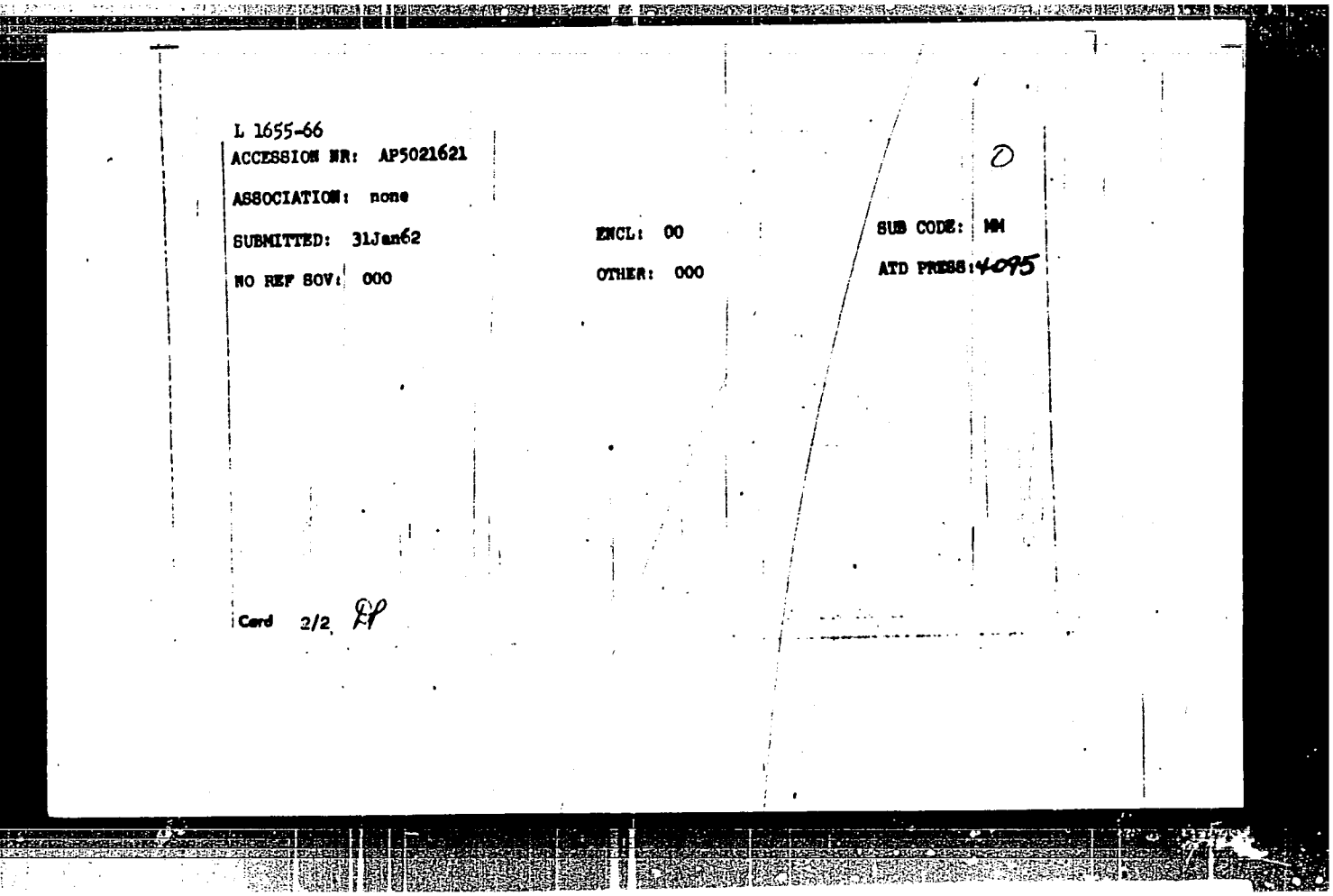
TITLE: Tool for extruding of tubes. Class 49, No. 172602

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 102

TOPIC TAGS: tube, metal tube, tube extrusion, extrusion tool, extrusion press

ABSTRACT: This Author Certificate introduces a tool for the extrusion of tubes from solid ingots, i.e., container, mandrel, welding chamber, and die. In order to increase the rigidity of individual tools and ensure their precise position in relation to one another, thereby improving the accuracy of the extruded tubes, the mandrel is rigidly mounted in relation to the container; it carries an internal die and is provided with a central compartment for the ingot. Radial canals connect this compartment with the welding chamber, which is formed between container wall and the mandrel surface. [AZ]

Card 1/2



L 1655-66
ACCESSION NR: AP5021621

ASSOCIATION: none

SUBMITTED: 31Jan62 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4095

Card 2/2

ACC NR: AP7000338 SOURCE CODE: UR/0413/66/000/022/0098/0099

INVENTOR: Blinov, D. P.; Ovcharenko, Ye. Ya.; Sazhayev, V. G.; Feygin, V. I.; Shleyfman, Kh. M.

ORG: none

TITLE: Device for automatic detection of flaws on a moving surface. Class 42, No. 188685 [announced by the Design Bureau of Automation in the Nonferrous Industry (Konstruktorskoya byuro "Tvetmetavtomatika")]

SOURCE: Izobreténiya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 98-99

TOPIC TAGS: metal surface, flaw detection, metal inspection, optic method, optic instrument

ABSTRACT: This Author Certificate introduces an automated flaw detector for the inspection of a moving surface of an article such as a metal strip. The detector contains a source of light and an optical system for the concentration of luminous flux, which is placed in front of a panel with light guides and with light-sensitive elements connected to the electronic inspection device. To increase the sensitivity to small flaws and to facilitate the inspection of wide strips, the instrument has branched light guides which ensure an optical connection between the source of light, the inspected surface, and the light sensitive elements. In a variant, the adverse effect of vibration of the inspected surface on the instrument performance is reduced by

Card 1/2 UDC: 620.179

ACC NR: AP7000338

V-form light guides which ensure a perpendicular direction of the light flux toward the inspected surface. In a second variant, the inspection of any shaped surface is done by light guides assembled in a bundle whose shape corresponds to that of the inspected surface. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 22May64/

Card 2/2

L 51376-65 EWP(k)/EWA(c)/EWT(d)/EWT(m)/EWP(h)/EWP(b)/EWA(d)/EWP(l)/EWP(w)/EWP(v)/EWP(t) Pf-4 EM/JD/EW

ACCESSION NR: AP5010976 UR/0286/65/000/007/0165/0165

AUTHOR: Zakharov, M. F.; Feygin, V. I.; Reytbarg, L. Kh.; Shneyerov, I. S.; Yermanok, M. Z.; Gil'dengorn, M. S.

TITLE: An extrusion attachment. Class 49, No. 169985

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 165

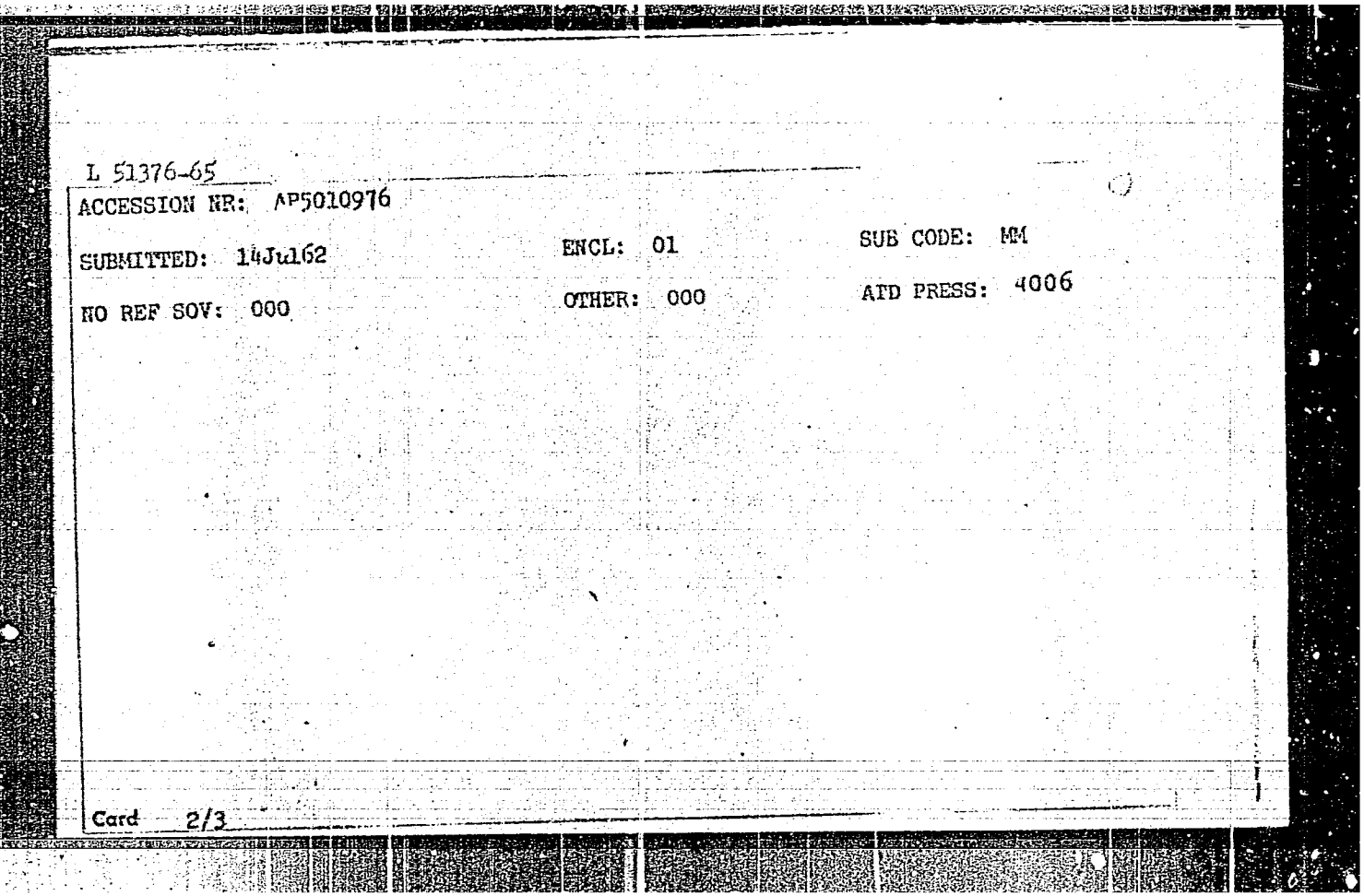
TOPIC TAGS: extrusion, panel extrusion, extrusion attachment, panel extrusion device

ABSTRACT: This Author Certificate introduces an attachment for the extrusion of panels from hollow billets. The device consists of a mandrel (see Fig. 1 of the Enclosure) fitted into a hollow stem and centered in the die which, during extrusion, forms the inner wall of the container. In order to lower the extrusion force and to increase the quality of extruded articles, the stem is designed as a cylinder in which the mandrel slides freely and the die has the shape of an open ring

Orig. art. has: 1 figure. [WW]

ASSOCIATION: none

Card 1/3



L 51376-65

ACCESSION NR: AP5010976

SUBMITTED: 14Jul62 ENCL: 01 SUB CODE: MM

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4006

Card 2/3

L 51376-65

ACCESSION NR: AP5010976

ENCLOSURE: 01

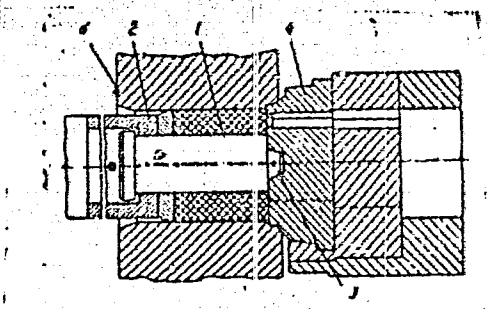


Fig. 1. Extrusion attachment

1 - Mandrel; 2 - hollow stem;
3 - free end of mandrel; 4 - die;
5 - container.

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L 2481-66 EWT(d)/EPA/EWT(1)/EWP(f)/EPF(n)-2/EWP(v)/T-2/EWP(k)/EWP(h)/EWP(l)/ETC(m) WW

ACCESSION NR: AP5024367 UR/0286/65/000/015/0035/0035
621.165-567.5
621.438-567.5

AUTHOR: Gokhman, D. B.; Feygin, V. L.

TITLE: A device for compensating for axial stresses in turbomachines. Class 14, No. 173247

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 35

TOPIC TAGS: axial stress compensation, gas turbine, compressor, labyrinth packing

ABSTRACT: An Author Certificate has been issued for a device for compensating for axial stresses in turbomachines, e.g., gas turbines and compressors. The device contains a balancing piston and end packing which, with the casing, forms an intermediate cavity filled with the working medium which is drained off into a lower-pressure area. To increase reliability and to simplify the design, the piston is sectionalized in the form of several disks serving as the components of the radial labyrinth packing mounted on the shaft end. Within the casing, a shaped fitting is rigidly mounted over the inlet to the labyrinth packing, thus forming a cavity within the piston for feeding the working medium (see Fig. 1 of the Enclosure). Orig. art. has: 1 figure. [LB]

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut im. I. I. Polzunova (Central Boiler and Turbine Institute)

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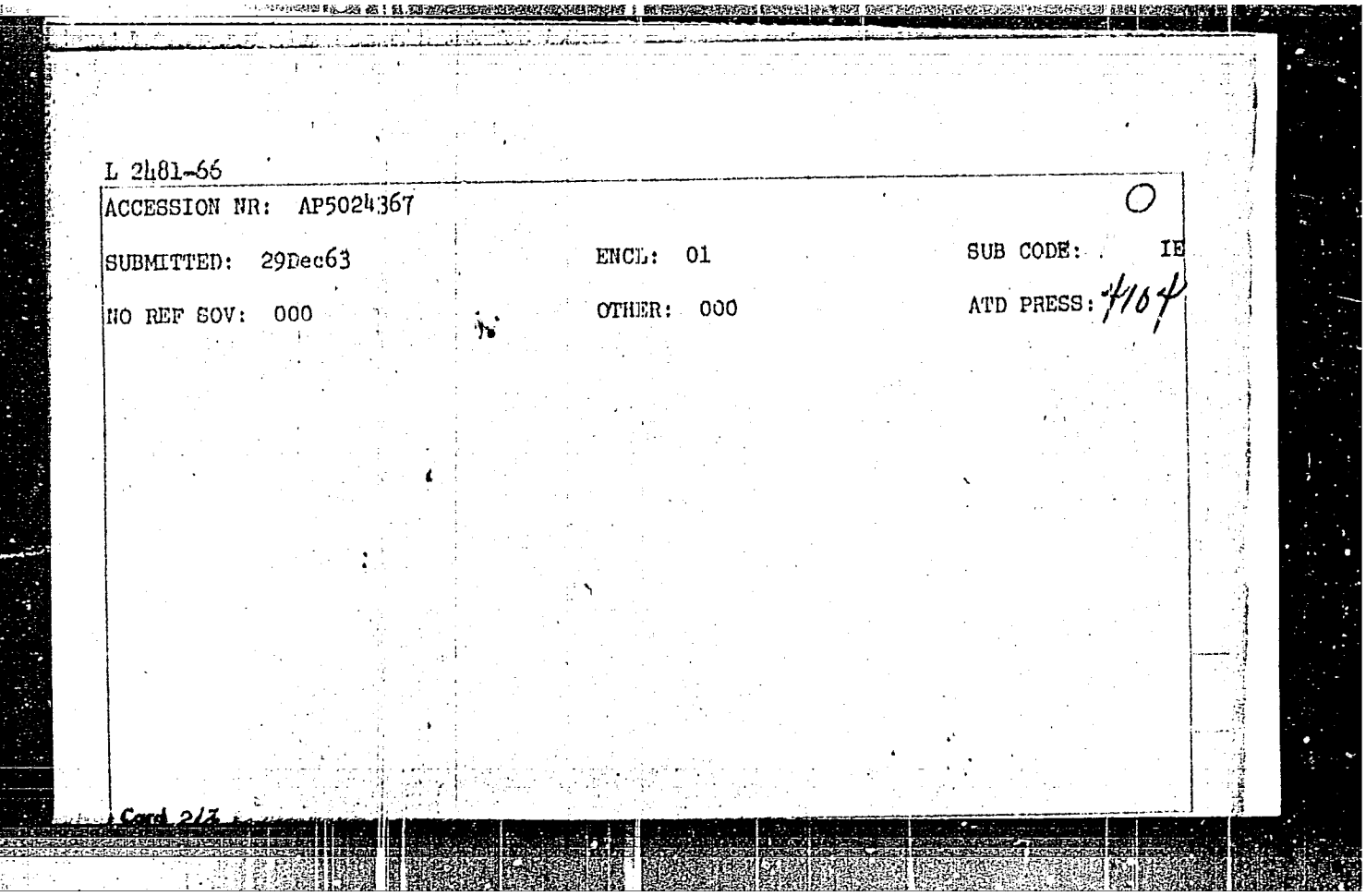

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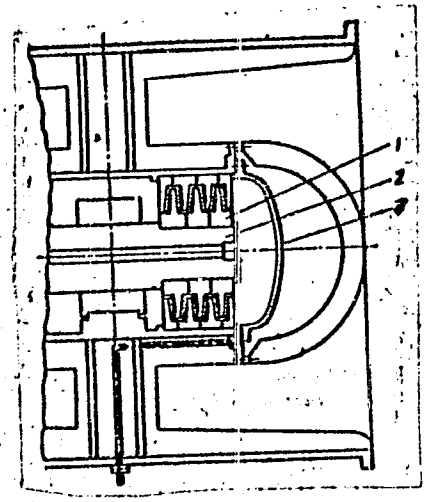

Fig. 1. Stress compensator

1 - Balancing piston; 2 - turbine shaft; 3 - shaped fitting.

BVK

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SO: IC, Soviet Geography, Part I, 1951; Uncl.

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Distribution of productive forces in the U.S.S.R. Vop.ekon. no.10: 70-85 O '57. (MIRA 10:12)
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LIVSHITS, Raisa Solomonovich,; FEYGIN, Ya. G., prof., otv. red.; PIROGOV, A.I., red. izd-va,; GUSEVA, A.P., tekhn. red.

[Distribution of the iron and steel industry of the U.S.S.R.] Razmeshchenie chernoi metallurgii SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1958. 374 p. (MIRA 11:11)

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[Distribution of food industries in the U.S.S.R.] Razmeshchenie pishchevoi promyshlennosti SSSR. Moskva, Gosplanizdat, 1958. 353 p. (MIRA 11:12)

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[Elimination of economic inequalities among people of the Soviet East and the socialist distribution of industry; historical account of Kazakhstan] Likvidatsiia ekonomicheskogo neravenstva narodov Sovetskogo Vostoka i sotsialisticheskoe razmeshchenie promyshlennosti; istoricheskii opyt Kazakhskoi SSR. Moskva, Izd-vo Akad. nauk SSSR, 1958. 450 p. (MIRA 11:3)
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PEYGIN, Yakov Grigor'yevich,; RABINOVICH, M.,red.; DANILINA, A., tekhn. red.

[Location of production centers in capitalism and in socialism] Razmeshchenie proizvodstva pri kapitalizme i sotsializme. Izd. 2., perer. i dop. Moskva, Gos. izd-vo polit. lit-ry, 1958. 686 p. (MIRA 11:12)

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AUTHOR: Feygin, Ya.G. SOV-10-58-4-18/28

TITLE: Modern Trends in the Economic Geography of Western European Countries and the USA (O novykh techeniyakh v ekonomicheskoy geografii stran zapadnoy Evropy i SShA)

PERIODICAL: Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958, Nr 4, pp 120-130 (USSR)

ABSTRACT: This is a discussion of various West European and American books and articles on economic geography, developing, in particular the theory of space economy. On the whole, it condemn's the capitalist economic system and praises the advantages of the Soviet socialist economy. There are 10 references, 3 of which are Soviet and 7 American.

1. Social sciences 2. Literature

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Inst. Economics AS USSR

SOV/30-58-10-1/53

AUTHOR: Feygin, Ya. G., Corresponding Member of the AS UkrSSR

TITLE: Scientific Treatment of the Accomodation Problems of Socialist Industrial Production (Nauchnaya razrabotka problem razmeshcheniya sotsialisticheskogo proizvodstva) Fundamental Directions of Research (Osnovnyye napravleniya iss dovaniy)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 10, pp 3-10 (USSR)

ABSTRACT: The elaboration of a prospective plan for a series of Five-Year Plans, in which these problems must be considered, is impending. In this respect, too little assistance is as yet being rendered to planning organs by scientific institutes. In 1956-58 economic-geographical monographs concerning the Union Republics and some economic areas were published. In the field of agriculture, these problems are being dealt with by VASKhNIL. The Sovet po izucheniyu proizvoditel'nykh sil Akademii nauk SSSR (Council for the Investigation of the Productive Resources of the AS USSR) deals with these problems in the regions of East Siberia and Far East. The Institut ekonomiki Akademii nauk SSSR (Institute of Economics of the AS USSR) has elaborated a series of monographs (L. V. Opatskiy, R. S. Livshits, A. M. Korneyev, P. M.

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Scientific Treatment of the Accomodation Problems of Socialist Industrial Production. Fundamental Directions of Research

Alampiyev, V. G. Udovenko, and others). Conditions of accomodation have changed with the development of science and technology. In order to save time and capital in the construction of electric power plants, N. S. Khrushchov suggested that the construction of electric power plants with cheap Siberian and Kazakhstan coal or natural gas as basic energy source be intensified within the next 7 or 8 years. The Economic Institute and the Council for the Investigation of the Productive Resources of the AS USSR have, under the supervision of V. S. Nemchinov, Member, Academy of Sciences, USSR, drafted a plan of research for the accomodation of industries, which has, however, given rise to numerous difficulties. The experience of the economic councils and the fact that experienced specialists on this subject are available must be considered an asset. Geographers, geologists, energy experts, technologists, transport experts, and others must be employed for this task. The coordination of the work of the Economic Institute with that of others and, primarily, with the Institut ekonomiki i organizatsii promyshlennogo proizvodstva (Institute of Economics and the Organization of Industrial Production), which is being formed

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in the Siberian Department of the AS USSR, is described as important.

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