SLEZAK, Anton

Experience with the centralization of loading and unloading in the district of Bratislava Railway Administration. Zel dop tech 10 no. 3: 82-82, 87. '62.

ŠLEZAK, Anton

Centralized loading and unloading on the Bratislava Railroad.
Železn dop tech 10 no.12:374 '62.

SLEZAK, D.

SLEZAK, E.

"Linear programing and possibilities of its application in industry." p. 360.

TECHNICKA PRACA. (Rada vedeckych technickych spolocnosti pri Slovenskej akademii vied). Bratislava, Czechoslovakia, Vol. 11, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

SLEZAK, Ervin, doc., inz.; LUNTER, Pavol, promovany matematik

Calculation of earthwork volume and material distribution plan coordinates on the LGP-30 automatic computer. Inz stavby 11 no.10:396-397 O '63.

1. Stavebna fakulta, Slovenska vysoka skola technicka (for Slezak).
2. Ustav ekonomiky a organizacie stavebnictva, Bratislava (for Lunter).

SLEZAK, Ervin, inz.; BALAZI, Stefan, promovany ekonom

Reduction of cutting waste by a simplified method.
Poz stavby 12 no. 6:236-237 '64.

1. Slovak Higher School of Technology, Bratislava (for Slezak). 2. Higher School of Economics, Bratislava (for Balazi).

SLEZAK, I.

"Economizing tin in the production of meat grinders." p. 147.
(MECHANIK Vol. 27, No. 4. Apr. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4.
April 1955. Uncl.

CHERKES, L.D.; SLEZAK, I.

Lysine decarboxylase production by submerged cultures of Bacterium cadaveris. Mikrobiologiia 34 no.2:223-229 Mr-Ap '65. (MIRA 18:6)

1. Nauchno-issledovatel'skiy institut antibiotikov, Praga, Chekhoslovakiya.

L 9374-66
ACC NR: AP5021648 CZ/0060/65/000/004/0176/0180

AUTHOR: Jovorka, J. (Doctor of medicine); Slezak, J. (Engineer); Novak, M.; Lesko, J. (Lieutenant colonel, Pilot first class)

TITLE: The little known effect of solar radiation on the human organism

SOURCE: Vojenske zdravotnicke listy, no. 4, 1965, 176-180

TOPIC TAGS: solar radiation, solar radiation absorption, ionizing radiation, human physiology, blood serum

ABSTRACT: Two hundred and nineteen investigations of the Takata flocculation reaction were carried out under various conditions: during sunrise, underground at depths of 400m and 1600m, during solar eclipse, after having charged the subject body with a positive and negative potential, and at altitudes of 4,000 and 12,500m. The investigators were not able to confirm the results of Prof. Takata. In the experiments the original Takata reaction, of which there are four variations, was used exclusively. 1 ml of blood serum was obtained as prescribed by Takata and diluted in a physiological solution 1:9 and 2.5 ml of 10% Na_2CO_3 were added. Over a period of 90 minutes the solution was pipetted into 12 test tubes (at 20°C) and then was titrated with the Takata reagent. The experimental subjects were all young, healthy men in the 18 to 40 year age bracket. In the verification of the alkali time effect results similar to those of Takata were obtained. Orig. art. has: 3 tables.

Card 1/2

L 9374-66

ACC NR: AP5021648

ASSOCIATION: Stredisko pro cizokrajne choroby (Center for Foreign Diseases); Vyzkumny ustav antibiotik (Research Institute of Antibiotics); Kabinet letecke midicíny (Bureau of Flight Medicine)

SUBMITTED: 00 ENCL: 00 SUB CODE: 06, 03

NO REF SOV: 000 OTHER: 000

Card 2/2

SLEZAK

CZECHOSLOVAKIA/Chemical Technology - Dyeing and Chemical Processing of Textiles. H-34

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 41942

Author : Slezak
Inst : -
Title : Humidification and Preservation of Yarn.

Orig Pub : Textil, 1956, 11, No 2, 49-51; No 3, 86-87

Abstract : Given are: analysis of humidified yarn preservation, description of preservatives, i.e., formaldehyde, mixture of phenol and cresols, chlorinated hydrocarbons, p-chloro-m-cresol, p-chloro-m-cresolate of Na, organic mercury compounds. Special features in using preservatives are mentioned.

Card 1/1

SLEZAK

CZECHOSLOVAKIA/Chemical Technology - Dyeing and Chemical Processing of Textiles. H-34

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 41945

Author : Slezak
Inst : -
Title : New Agents for Sizing and De-Sizing.

Orig Pub : Textile, 1956, 11, 8, 246-247

Abstract : A description is given of the products manufactured by Rohm and Haas (Darmestadt): Sikovan (based on proteins) for sizing of viscose, cupra-ammonium and acetate silk; Silkovan AC for an acetate silk; Silkovan ZB (based on proteins) for cotton fibers; Acritex (a 20% solution of aqueous polyacrylates) for polyamide fibers; Erga-Shichtaa for polyamide and polyacrylonitrile fibers; Pleximeim (copolymers of organic acids); Plexigum and Plexatol (products of polymerization of acrylic and

Card 1/2

SLEZAK, J.; CEJNAR, A.

New finish of cotton fabrics without ironing. p.386.

TEXTIL. (Ministerstvo lehkeho prumyslu) Praha, Czechoslovakia. Vol. 14, no. 10, Oct. 1959.

Monthly list of East European Accessions (EEAI), Vol. 9, no. 1, Jan. 1960

Uncl.

L 40149-66
ACC NR: AP5021648 CZ/0060/65/000/004/0176/0180

AUTHOR: Jovorka, J. (Doctor of medicine); Slezak, J. (Engineer); Novak, M.; Lesko, J. (Lieutenant colonel, Pilot first class)

TITLE: The little known effect of solar radiation on the human organism

SOURCE: Vojenske zdravotnicke listy, no. 4, 1965, 176-180

TOPIC TAGS: solar radiation, solar radiation absorption, ionizing radiation, human physiology, blood serum

ABSTRACT: Two hundred and nineteen investigations of the Takata flocculation reaction were carried out under various conditions: during sunrise, underground at depths of 400m and 1600m, during solar eclipse, after having charged the subject body with a positive and negative potential, and at altitudes of 4,000 and 12,500m. The investigators were not able to confirm the results of Prof. Takata. In the experiments the original Takata reaction, of which there are four variations, was used exclusively. 1 ml of blood serum was obtained as prescribed by Takata and diluted in a physiological solution 1:9 and 2.5 ml of 10% Na_2CO_3 were added. Over a period of 90 minutes the solution was pipetted into 12 test tubes (at 20°C) and then was titrated with the Takata reagent. The experimental subjects were all young, healthy men in the 18 to 40 year age bracket. In the verification of the alkali time effect results similar to those of Takata were obtained. Orig. art. has: 3 tables.

0903 0376

Card 1/2

SLEZAK, Karel, podplukovnik, MUDr.

Fundamental principles for the creation of methods for scientific and research work in the area of medical service organization and tactics. Voj. zdrav. listy 34 no.2:45-48 Ap '65

SLEZAK, Kazimierz

Balneotherapy of primary chronic rheumatism. IV. ECG in balneotherapy of primary chronic rheumatism. Polskie arch. med. wewn. 27 no.3:331-338 1957.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Warszawie i z Osrodka Naukowo-Leczniczego tej Kliniki w Ciechocinku, Kierownik: prof. dr. nauk med. A. Biernacki. Adres autora: Ciechocinek ul Kosciuszki 5.

(ARTHRITIS, RHEUMATOID, therapy,
balneother., eff. on ECG (Pol))
(BALNEOLOGY, in various diseases,
rheum. arthritis, eff. on ECG (Pol))
(ELECTROCARDIOGRAPHY, in various diseases,
rheum. arthritis, eff. of balneother. (Pol))

SLEZAK, Maria

Medical care for Social Security Bureau workers. Praca zabezp spol 4 no.3:26 Mr '52.

1. Oddzial Zakladu Ubezpieczen Spolecznych w Czestochowie

SLEZAK, O.

Polyester bonded laminates in motor vehicle construction.

p. 246 (Automobil) Vol. 1, No. 8, Aug. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

SLEZAK, O.

Spraying of coatings in an electrostatic field. p. 450

STROJIRENSKA VYROBA. (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia. Vol. 7, no. 10, Oct. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 12, Dec. 1959
Uncl.

SLEZAK, Otakar, inž.

Importance of blanks in pressing of polyester glass laminates. Stroj vyr 11 no.9:451-453 S '63. (MIRA 16:11)

1. Kovona, n.p., Karvina.

SLEZAK, Otakar, inz.

World production and consumption of polyester glass laminates.
Stroj vyr 12 no.4:272 Ap'64.

STEINHART, L.; ENDRYS, J.; DITE, B.; SLEZAK, P.; PROCHAZKA, J.; BELOBRADEK, Z.; PETRLE, M.

The angiocardiographic picture of the mitral orifice. Cor vasa 4 no.3:212-218 '62.

1. Centre for Cardiac Surgery, Faculty of Medicine, Charles University Hradec Kralove.

(MITRAL VALVE radiography) (ANGIOCARDIOGRAPHY)

SYS, J.; SLEZAK, P.; HORANSKY, M.

Demonstration of ascaris in a plain x-ray picture. Cesk. rentgenol. 16 no.2:127-129 Ap '62.

1. Rentgenologicke a chirurgicke oddeleni OUNZ Frydek-Mistek, predn. MUDr. F. Muller a MUDr. J. Trnka.

(ASCARIASIS radiog)

SLEZAK, Premysl; STEINHART, Leo; FRANK,M.; JURIN, Ivo; DITE,B.

Congenitally corrected transposition of the great vessels in the angiocardiographic picture. Sborn.ved.prac.lek.fak. Karlov.Univ.(Hrad.Kral.) 6 no.3:311-318 '63.

1. Radiologicka klinika (prednosta: DrSc., prof., MUDr. J. Bastecky); Detska klinika (prednosta: DrSc., prof., MUDr. J.Blecha) a Chirurgicka klinika (prednosta: prof., MUDr. J.Prochazka), Universita Karlova.

*

KOSMAK, I.; PETRLE, M.; ENDRYS, J.; BELOBRADEK, Z.; JURKOVIC, V.; STEINHART, L.; SLEZAK, P.

On the methodology of intracardiac phonocardiography. Cor Vasa 6 no.4:281-287 '64.

1. IInd Internal Clinic, Ist Internal Clinic, Surgical Clinic, Centre for Cardiac Surgery and Radiological Departments, Faculty of Medicine of the Caroline University, Hradec Kralove, Czechoslovakia.

PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; BRZEK, Vladimir; ENDRYS, Jiri; KOSMAK, Ivan; STEINHART, Leo; JURIN, I[illegible]n; SLEZAK, Premysl; FINGERLAND, Antonin, prof. MUDr., DrSc.

Experience with surgical treatment of congenital aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:85-96 '64.

1. Kardiochirurgicke stredisko a chir. klinika (prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a Patologicko-anatomicky ustav (predn[illegible]sta: prof. MUDr. A. Fingerland, DrSc.) Karlovy University v Hradce Kralove.

ENDRYS, Jiri; KOSNAK, Ivan; SLEZAK, Premysl; PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; STEINHART, Leo; JURIN, Ivan; FRANK, Miroslav.

Early systolic snap in aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:97-108 '64.

1. Kardiochirurgicke stredisko a chir. klinika (prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a Detska klinika (prednosta: prof. MUDr. J. Blecha, DrSc.) University Karlovy v Hradci Kralove.

SLEZAK, Premysl; STEINHART, Leo; HEDRYS, Jiri; FRANK, Miroslav; KOSNAK, Ivan; BELOBRADEK, Zdenek; PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; REZAC, Vaclav; JURIN, Ivan.

Morphological, hemodynamic and postoperative changes in atrial septal defects demonstrated by a simple X-ray picture. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:109-119 '64.

1. Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.); Chirurgicka klinika (Prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Detska klinika (prednosta: prof. MUDr. J. Blecha, DrSc.) a I. interni klinika (prednosta : prof. MUDr. F. Cernak) University Karlovy v Hradci Kralove.

CERNOCH, Zdenek; KREN, Vitezslav; KVASNICKA, Jiri; SLEZAK, Premysl

The significance of lumbar aortography in hypertensive patients. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:155-159 '64.

1. Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a I. interni klinika (prednosta: prof. MUDr. F. Cernik) Karlovy University v Hradci Kralove.

KREN,V.; SLEZAK,P.; STEINHART,L.; ENDRYS,J.; PROCHAZKA,J.

False dissected aortic aneurysm. Cesk. rentgen. 18 no.1:69-70 Ja'64.

1. Kardiochirurgicke stredisko lekarske fakulty KU v Hradci Kralove a Radiologicka klinika lekarske fakulty KU v Hradci Kralove (prednosta: prof.dr.J.Bastecky, DrSc.).

STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PROCHAZKA, J.; DITE, B.; PETRLE, M.; BELOBRADEK, Z.; KOSMAK, I.; FRANK, M.

Transseptal levography in congenital and acquired diseases of the heart and of the large vessels. Cesk. radiol. 19 no.4: 253-259 Ag '65.

1. Radiologicka, chirurgicka, I. interni, II. interni a detska klinika lekarstve fakulty Karlovy University v Hradci Kralove, CSSR.

KREN, V.; CERNOCH, Z.; STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PUDIL, V.; PRIBORSKY, J.; HODAN, J.

Venography of the liver and kidneys with slowed-down circulation by means of intrabronchial hypertension in animal experiments. Cesk. radiol. 19 no.4/5:285-288 Ag '65.

1. Radiologicka a chirurgicka klinika lekarske fakulty Karlovy University v Hradci Kralove, CSSR.

ENDRYS, J.; STEINHART, L; FRANK, M.; SLEZAK, P.

Possibilities of catheterization and angiocardiography of the left heart in the diagnosis of congenital heart defects in children. Cesk. pediat. 19 no.6:490-494 Je'64

1. Kardiochirurgicke stredisko KUNZ [Krajsky ustav narodniho zdravi] v Hradci Kralove Chirurgicka klinika (prednosta: prof. dr. J.Prochazka); Radiologicka klinika (prednosta: prof.dr. J.Basteky, DrSc.); Detska klinika (prednosta: prof. dr. J.Hlecha, DrSc.)lekarske fakulty KU [Karlovy university] v Hradce Kralove.

SOCHOR, J.; SLEZAK, P.; HRUBISKOVA, K.

Successful treatment of a case of afribinogenemia. Bratisl. lek. listy 44 no.7:429-432 15 O '64.

1. Gynekologicko-porodnicke oddelenie Obvodniho ustavu narodniho zdravi Bratislava-vidiek, (veduci MUDr. J. Sochor,) a Fakultna transfuzna stanica, (veduci doc. MUDr. M. Hrubisko, C. Sc.).

KOSMAK, Ivan; ENDRYS, Jiri; PETRLE, Miroslav; FRANK, Miroslav; BELOBRADEK, Zdenek; STEINHART, Leo; SLEZAK, Premysl

The intracardial phonocardiogram in aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:661-664 '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.) Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka, DrSc.); Vyzkumny ustav exper. terapie, Praha-Krc (prednosta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.).

KREN, Vitezslav; CERNOCH, Zdenek; STEINHART, Leo; ENDRYS, Jiri; SLEZAK, Premysl; PUDIL, Vratislav; PRIBORSKY, Jaromir; HODAN, Jiri

Liver and kidney venography in animal experiments during delayed circulation by intrabronchial hypertension. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:179-182 '65

1. Radiologika klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a Chirurgicka klinika (prednosta: prof. MUDr. J. Prochazka, DrSc.) Lekarske fakulty Karlovy University v Hradci Kralove.

NETTL, Sasa; STEINHART, Leo; SLEZAK, Premysl; DITE, Bohumil; PUDIL, Vladimir.

Deep brain phlebogram in anterioposterior projection in expansive intracranial processes. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:199-205 '65.

1. Neurologicka klinika (prednosta: prof. MUDr. M. Sercl, DrSc.); Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) Lekarske fakulty Karlovy University v Hradci Kralove.

ENDRYS, J.; STEINHART, L.; KOSNAK, I.; PETERLE, M.; PROCHAZKA, J.; BELOHLAVEK, Z.; REZAC, V.; SLEZAK, P.

Catheterization of the left heart. Evaluation of experiences with 650 examinations. Vnitrni lek. 11 no.4:331-338 Ap'65.

1. Kardiochirurgicke stredisko, fakultni nemocnice a lekarska fakulta Karlovy University v Hradci Kralove.

CERNOCH, Z.; KREN, V.; KOPECNY, J.; KVASNICKA, J.; SLEZAK, P.; STEINHART, L.; NAVRATIL, P.

Roentgen findings in hypertensive patients during lumbar aortography and renovasography. Cesk. radiol. 19 no.4/5: 311-314 Ag '65.

1. Radiologicka klinika, ustav patologicke anatomie, I. interni a urologicka klinika lekarske fakulty Karlovy University v Hradci Kralove, CSSR.

FRANK, M.; SLEZAK, P.; ENDRYS, J.

Corrected transposition of the great vessels. Cesk. pediat. 20 no.8:684-688 Ag '65.

1. Detska klinika (prednosta prof. dr. J. Blecha), radiologicka klinika (prednosta prof. dr. J. Bastecky) a chirurgicka klinika (prednosta prof. dr. J. Prochazka) lekarske fakulty Karlovy University v Hradci Kralove.

ENDRYS, Jiri; STEINHART, Leo; PROCHAZKA, Jaroslav; SLEZAK, Premysl; KOSMAK, Ivan; KVASNICKA, Jiri; REZAC, Vaclav.

The degree of mitral insufficiency. Comparison of dilution technics. Angiography and operative findings. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.4:461-465 '65.

1. Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka) Karlovy University v Hradci Kralove.

SLEZAK, R

SLEZAK, Zdenek

Scientific and technical cooperation of the railroad agencies of socialist countries. Zel dop tech 10 no.11:321-322 '62.

SLEZAK, Zdenek

Effect of antibiotics on the mortality and cure in acute appendicitis. Cas.lek.cesk.99 no.37:1168-1174 9 S'60.

1. I. chirurgicka klinika KU v Praze, prednosta akademik Arnold Jirasek.

(APPENDICITIS ther)
(ANTIBIOTICS ther)

FANTIS, A.; SLEZAK, Z.

On the possibility of reinnervation 'n total lesions of the brachial plexus by intercosto-plexural anastomosis. Cesk. neurol. 28 no.6:412-418 N '65.

1. I. chirurgicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta - prof. dr. J. Pavrovsky) i Chirurgicka klinika nemocnice v Praze 1, pod Petrinem, (prednosta: doc. dr. Z. Vahala).

Surgery

CZECHOSLOVAKIA

UDC 616.345-007.64-06

CHARVAT, A.; SLEZAK, Z.; Surgical Clinic, Faculty of Pediatrics, Charles University (Chirurgicka Klinika Fakulty Detskeho Lekarstvi KU), Prague, Head (Prednosta) Docent Dr Z. VAHALA.

"Diverticulitis of the Large Intestine and its Complications."

Prague, Casopis Lekaru Ceskych, Vol 105, No 39, 23 Sep 66, pp 1052 - 1054

Abstract: Simple cases of diverticulitis should be treated conservatively. In cases that develop complications surgical treatment is suggested. When the disease is in the developmental stage excisions are indicated; in complicated cases primary resection may be required. Methods of surgical treatment are discussed. 19 Western, 2 Czech references.

1/2

L 47264-66
ACC NR: AP6034705

SOURCE CODE: CZ/0082/65/028/006/0412/0418

16
B

AUTHOR: Fantis, A.; Slezak, Z.

ORG: First Surgical Clinic, Faculty of General Medicine, Charles University/headed by Professor, Doctor J. Pavrovsky/, Prague (I. chirurgicka klinika fakulty vseobecneho lekarstvi KU); Surgical Clinic Hospital/headed by Docent, Doctor Z. Vahala/, Prague - Pod Petrinem (Chirurgicka klinika nemocnice)

TITLE: Possibilities of reinnervation in complete avulsion of the brachial plexus by intercosto-plexular anastomosis

SOURCE: Ceskoslovenska neurologie, v. 28, no. 6, 1965, 412-418

TOPIC TAGS: nervous system, neurologic surgery, pathogenesis, blood circulation, muscle physiology

ABSTRACT: An attempt to reinnervate the upper extremity after complete avulsion of the brachial plexus by means of intercosto-plexular anastomosis is described. In 4 cases treated surgically, signs of reinnervation could be shown by EMG, by changes in sensitivity and sensations radiating from the extremity towards the intercostal spaces. Reinnervation greatly improved trophic changes, but not the paralysis. Pathogenesis of vasomotor changes and the possibility of its surgical treatment are discussed. Orig. art. has: 4 figures. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 005 / SOV REF: 003 / OTH REF: 008

Card 1/1

L 1257-66 EWA(h)/EWT(1)

ACCESSION NR: AP5024373

UR/0286/65/000/015/0047/0047
621.316.93
621.316.722.1

30
B

AUTHOR: Slezberg, Ye. M.

TITLE: A circuit protector for a low-voltage high-power semiconductor stabilizer. Class 21, No. 173290

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 47

TOPIC TAGS: voltage regulator, electric protective equipment, transistorized circuit

ABSTRACT: This Author's Certificate introduces a device for protecting a low-voltage high-power semiconductor voltage regulator from current overload when there is a short circuit at the output. The protector consists of a transistor, a capacitor and two resistors. The unit operates by cutting off the transfer transistor in the regulator when there is a short circuit. The circuit is simplified by connecting the protector transistor to the load voltage in such a way that a variation in this voltage is the signal which operates the protector.

ASSOCIATION: none

SUBMITTED: 15Jul64 ENCL: 01 SUB CODE: EE, EC

NO REF SOV: 000 OTHER: 000

Card 1/2

L 1257-66

ACCESSION NR: AP5024373

ENCLOSURE: 01

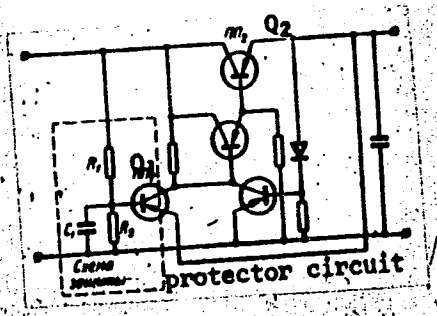

Fig. 1. Q_1--protector transistor; C_1--capacitor; R_1 and R_2--resistors; Q_2--transfer transistor.

Card 2/2

84321

S/170/60/003/009/017/020
B019/B060

24.5300

AUTHOR: Slezenko, Z. F.

TITLE: A Method of Measuring the Velocity Distribution of a Boundary Layer of a Nonuniformly Heated Horizontal Flat Plate

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 9, pp. 108-113

TEXT: In the study of heat- and mass-exchange processes, a phenomenon called "thermal gliding" appears in those cases where the mean free path of gas molecules is comparable to the sizes, at which a noticeable variation in temperature or flow velocity can be established. For the velocity of the thermal gliding $W_{gl} = -k\nabla t$, k being the gliding coefficient. A photoelectronic method of determining W_{gl} experimentally is proposed here. The circuit diagram of the experimental arrangement is shown in Fig. 1. By the gas motion, a needle is deflected from its position of rest by a determined angle, and this deflection is measured photoelectronically. Proceeding from the equation of motion (1) of the

Card 1/2

84321
A Method of Measuring the Velocity Distribution S/170/60/003/009/017/020
of a Boundary Layer of a Nonuniformly Heated B019/B060
Horizontal Flat Plate

above-mentioned system, sensitivity and characteristics of the system are examined and its mode of operation is thoroughly discussed. Briefly discussed is also the calibration of the instrument, at which the similarity of gas- and liquid motion in the boundary layer is used to obtain a relation for the velocity of gas motion. An error determination completes the description of the instrument. Finally, velocity distributions are shown as a function of temperature of the plate and as a function of distance (Fig. 2). The great advantage offered by the instrument described is the possibility of simultaneously measuring the velocity- and the temperature distribution of a boundary layer. The temperature distribution is measured with the aid of a thermocouple. There are 2 figures and 5 Soviet references.

ASSOCIATION: Lesotekhnicheskiy institut im. S. M. Kirova, g. Minsk (Wood-technical Institute imeni S. M. Kirov, Minsk)

SUBMITTED: April 6, 1960

Card 2/2

S/263/62/000/011/018/022
I007/I207

AUTHOR: Slezenko, Z. F.

TITLE: Valve-type electrometer for measuring small fluctuations of photoelectric currents

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no. 11, 1962, 49–50, abstract 32.11.374. "Nauchn. inform. Belorussk. tekhnol. in-t. Ser. obschetekhn." Minsk, 1961, 46–49

TEXT: The ЭЛП (ELP) valve-type electrometer for measuring extremely small variations of photoelectric currents, works on the principle of direct amplification together with an unbalanced asymmetric bridge. The electrometer, whose surface is preliminarily cleaned with alcohol is introduced in a hermetically closed metal chamber. Description is given of the electric circuitry of the device, and test results are reported: when connecting to the device a microammeter with a scale division of 10^{-6} amp, the circuit permits the measurement of current intensities of approximately 10^{-12} amp, whereas with a СЦБ-6 (STsB-6) photoelectric cell, the scale sensitivity of the device ranges from 10^{-11} to 10^{-12} lm; reading time is about 1 sec.

[Abstracter's note: Complete translation.]

Card 1/1

SLEZENKO, Z.F.

Local method of direct measurement of the velocity profile of the boundary layer of a nonuniformly heated plane plate. Inzh.-fiz. zhur. 5 no.10:47-52 O '62. (MIRA 15:12)

1. Belorusskiy tekhnologicheskiy institut imeni S.M.Kirova, Minsk.
(Boundary layer) (Gas flow) (Nomography (Mathematics))

SLEZENKO, Z.F.

Suppressing interferences in an instrument used for the investigation of boundary layers. Izv.vys.ucheb.zav.; prib. 6 no.6:122-129 '63. (MIRA 17:3)

1. Belorusskiy tekhnologicheskiy institut imeni Kirova. Rekomendovana kafedroy fiziki.

SLEZENKO, Z.F.

Temperature of plant leaves under natural conditions. Dokl. AN BSSR 7 no.8:554-556 Ag '63. (MIRA 16:10)

1. Belorusskiy tekhnologicheskiy institut imeni S.M. Kirova. Predstavleno akademikom AN BSSR T.N. Godnevym.

SLEZENKO, Z.F.

Physical nature and the equations of mass transfer of the processes of photosynthesis, respiration and transpiration of plants. Dokl. AN BSSR 7 no.10:693-695 O '63. (MIRA 16:11)

1. Belorusskiy tekhnologicheskiy institut imeni S.M. Kirova. Predstavleno akademikom AN BSSR T.N. Godnevym.

L 29712-66 EWP(v) IJP(c) WW

ACC NR: AP6015[illegible] SOURCE CODE: UR/0146/66/009/002/0119/0122

AUTHOR: Slezenko, [illegible]

ORG: Belorussian Technological Institute im. S. M. Kirov (Belorusskiy tekhnologicheskiy institut)

TITLE: Measurement of the temperature field of thin objects

SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 2, 1966, 119-122

TOPIC TAGS: temperature measurement, temperature distribution, thermocouple, heat transfer

ABSTRACT: The author considers errors due to heat transfer along the thermocouple electrodes when measuring the temperature of thin-layer specimens. It is assumed that a thermally insulated thermocouple is submerged into a thin layer of organic material. The thermocouple may be treated as an infinite thermally insulated rod with its end surface in contact with the point to be measured. Conditions vary along the rod. There are considerable gradients in the section located in the layer. The section of the rod beyond the limits of the layer being studied is assumed to be in a medium with a constant temperature. Expressions are given for the temperature distribution in the rod. Orig. art. has: 2 figures, 4 formulas.

SUB CODE: 20/ SUBM DATE: 26Dec64/ ORIG REF: 004

Card 1/1 UDC: 536.532

ACC NR: AP7006412 (N) SOURCE CODE: UR/0146/67/010/001/0020/0024

AUTHOR: Slezenko, Z. F.

ORG: Belorussian Technological Institute im. S. M. Kirov (Belorusskiy tekhnologicheskiy institut)

TITLE: Method of measuring weak direct currents and voltages

SOURCE: IVUZ. Priborostroyeniye, v. 10, no. 1, 1967, 20-24

TOPIC TAGS: ~~electronic equipment, electronic test equipment~~, galvanometer, electronic feedback, signal noise separation

ABSTRACT: A method of increasing the sensitivity of a magnetoelectric galvanometer is proposed. The method involves lowering of the electromechanical torque of the galvanometer by applying positive feedback to the circuit and separating the useful signal from parasitic noise. The separation is accomplished by increasing the time constant of the movable system of the galvanometer to 400 msec, and by applying special filters. The fluctuation level of the device is not above 0.5 of the scale division at maximum sensitivity. Measuring ranges are 10^{-6}—$3.0 \cdot 10^{-12}$ amp and 10^{-4}—$3.3 \cdot 10^{-10}$ v for current and voltages, respectively. The period of self-oscillation is 1 sec. Orig. art. has: 4 figures and 3 formulas. [GS]

SUB CODE: 09/ SUBM DATE: 14Sep65/ ORIG REF: ~~010~~ 009/ OTH REF: 001

Card 1/1 UDC: 621.317.715

ACC NR: AP7003900 SOURCE CODE: GE/0030/67/019/001/0429/0434

AUTHOR: Mikhailova, M.P.; Nasledov, D.N.; Slobodchikov, S.V.

ORG: A.F. Ioffe Physicotechnical Institute, Academy of Sciences of the USSR, Leningrad

TITLE: The effect of a magnetic field on illuminated InAs p-n junctions

SOURCE: Physica status solidi, v. 19, no. 1, 1967, 429-434

TOPIC TAGS: pn junction, magnetic field interference, photoelectric effect, photosensitivity, INDIUM COMPOUND, ARSENIDE, PHOTOELECTROMAGNETIC EFFECT

ABSTRACT: An investigation was made of the dependence of photoresponse variations on the magnetic field strength in unbiased and reverse-biased InAs p-n junctions. The specimens were illuminated along the p-n junction and on the p- or n-sides. A linear photoelectromagnetic (PEM) effect occurred on unbiased p-n junctions. With the application of a reverse bias to illuminated InAs p-n junctions, a complex variation of the PEM voltage depending on the magnetic field strength was observed. A linear inversion-free region in relatively weak fields was due to variations in the saturation current through a p-n junction in the magnetic field. A quadratic PEM voltage in strong magnetic fields was associated with the

Card 1/2 UDC:

ACC NR: AP7003900

distortions of the paths of minority carriers resulting from the geometry of the contacts and the specimen and from the Hall field of thermal carriers. The drop and polarity reversal of the PEM voltage in strong magnetic fields can be related to the reduction in diffusion length of minority carriers and to an enlargement of the space-charge region in the p-n junction. The authors thank A. A. Grinberg for discussing the results and N. P. Esina and N. V. Zotova for preparing the p-n junctions. [JA]

SUB CODE: 20/ SUBM DATE: 29Jul66/ ORIG REF: 004/ OTH REF: 002/
ATD PRESS: 5114

Card 2/2

SLEZHANOVSKIY, O. V.

"Study of Circuits With Electric Machine Exciters" (Issledovaniye skhem c elektromashinnym vozbuditelem), Elektrichestvo, No 7, 1950.

MEI (Moscow Electrical Engineering Institute)
Dissertation for Candidate Degree

SLEZHANOVSKY, O. V.

Electrical Engineering Abst.
Vol. 57 No. 673
Jan. 1954
Electrical Engineering

621.316.718 : 621.34 : 621.771

133. Analysis of the regulation system of a blooming-mill drive by means of static characteristics. O. V. SLEZHANOVSKII. *Elektrichestvo*, 1953, *No.* 3, 51–8. *In Russian.*

The amplidyne-controlled blooming-mill drives of Soviet design have two-circuit windings on motor and generator armatures. This enables accelerations and decelerations of about 80–100 r.p.m./sec to be obtained on the motors, i.e. 2–3 × higher than with conventional machines. On the other hand, control is made more difficult by the fact that the time constant of the field windings of the generators is about 5, of the motors about 10 sec. The analysis dealing with the nearly independent systems of generator and motor field control by amplidyne shows that this type of control is nearly rendered ineffective by the large time constants of the field windings and small flywheel moments of the armatures of the machines. A series of improvements in the circuits of control and drive were introduced, namely: cutting-out of the premagnetizing circuit of the generator amplifier during the transient processes in order to smooth the latter; increase of the ampere-turns of the biased field winding to the value of the previous sum of biased and control field winding ampere-turns so as to maintain the previous method of forced starting; further measures aimed at eliminating the influence of remanent field of voltage-regulating generator on field suppression of generators and on intensification of braking processes by field reversal in the generator amplidyne.

B. F. KRAUS

SLEZHANOVSKIY, O. V.

AID P - 2337

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 1/30

Author : Slezhanovskiy, O. V., Kand. of Tech. Sci.

Title : Control system of a reversing rolling mill

Periodical : Elektrichestvo, 5, 1-9, My 1955

Abstract : The author analyses one of the control systems developed by the trust "Elektroprivod" for reversing hot-strip mills. The system may be divided into two parts: 1. the generator excitation control, and 2. the mill drive excitation control. Compound-wound generators are used and the field poles are excited by two independent windings, the shunt field circuit and the series field circuit. The author builds static characteristics for the generator and motor field controls and speed-current characteristics for the motor. These serve in calculating and selecting the auxiliary apparatus of the system. He also presents a method of calculation of transient phenomena in the field control of the mill drive, accounting for eddy currents

AID P - 2337

Elektrichestvo, 5, 1-9, My 1955

Card 2/2 Pub. 27 - 1/30

of the exciter and motor. The author concludes that the use of electrical machines with multiple armature windings results in a substantial increase of electromagnetic time constants and in improved damping action of eddy currents and also in a decline in excitation losses. Nine diagrams, 2 Soviet references (1951, 1953).

Institution: All-Union Trust "Elektroprivod"

Submitted : Ja 10, 1955

[redacted], O. V.

AID P - 4117

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 4/33

Authors : Birfel'd, A. G., Eng., Ye. I. Gnilosyrov, Kand. Tech. Sci., O. V. Slezhanovskiy, Kand. Tech. Sci., and N. A. Tishchenko, Eng.

Title : Complex automation of bloomeries.

Periodical : Elektrichestvo, 12, 9-18, D 1955

Abstract : The authors describe automation systems developed by the Central Design Bureau of the plant "Elektroprivod" and operating since April 1954. They demonstrate that complex automation can be efficiently accomplished only on a modern mechanized unit. They describe the automation and modernization of the 1100 type bloomery and give details of the automation of the separate parts of the set. One table, 12 detailed connection diagrams, charts and oscillograms.

SOV/112-58-2-2296

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, p 81 (USSR)

AUTHOR: Birfel'd, A. G., and Slezhanovskiy, O. V.

TITLE: The Complex Automation of Reversing Hot-Rolling Blooming-Type Mills (Kompleksnaya avtomatizatsiya reversivnykh goryacheprokatnykh stanov tipa bluminga)

PERIODICAL: V sb.: Raboty M-va elektrotekhn. prom-sti SSSR po mekhaniz. i avtomatiz. nar. kh-va. 1. M., 1956, pp 55-60

ABSTRACT: The 1,100 blooming mill, Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine), was one of the first plants automated in 1954. As a result, blooming productivity has increased by 20% as compared to 1950, and has kept growing in 1955-1956. At the present time, complex automation is operated in a number of mills, and is provided for in most of the mills under construction, among which are: the 1,150 slabbing mill of Magnitogorsk Combine, the 2,800 plate mills of the plant imeni Voloshilov, the 2,800/1,700 mills Cherepovets, Orsk-Khalilovo, and other plants. The complex automatic system for a reversing roughing mill comprises the following

Card 1/2

SOV/112-58-2-2296

The Complex Automation of Reversing Hot-Rolling Blooming-Type Mills

mechanisms: an ingot truck, delivery and roughing tables, working tables, frame rolls, a main drive, screwdown. The automation of a rolling-mill manipulator has begun. The complex automatic system is so designed that any mechanism can be transferred to manual control at any time. The automatic control equipment is mounted on separate panels, and each panel can be disconnected for inspection or repairs without stopping the mill. Skeleton diagrams of the automatic control of the main drive, tables, ingot truck, and screwdowns are examined; the principal automatic means are listed; an oscillogram of the complex operation of drives is presented. With automatic mill control, metal rolling is carried out on a schedule close to the optimum. The latest works and achievements in the field of the complex automation of reversing roughing mills are listed.

V.A.I.

Card 2/2

SLEZHANOVSKIY, O. V. (Cand. Tech. Sci.)

"State of native eletrical industry and in particular electric drive in USSR and abroad."

paper read at the Session of the Acad. Sci. USSR, on Scientific Problems of Automatic Production, 15-20 October 1956.
Automatika i telemekhanika, No. 2, p. 182-192, 1957.

9015229

PA - 3098

AUTHOR: SLEZHANOVSKIY, O.V., cand.tech.sc.

TITLE: Controlling a Mill with Separately Driven Rollers. (Upravleniye stanom s individual'nym privodom valkov, Russian)

PERIODICAL: Elektrichestvo, 1957, Vol Nr 5, pp 12-20 (U.S.S.R.)

Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: A new system is proposed which is very simple and which, with a sufficiently uniform load distribution among the roller motors protects the rolled stock from buckling. A description of the system is given. While one changes the amplification coefficients of the positive feedback according to the induction current of the motor and the magnetizing power of the primary winding, the character of the progress of the excitation intensification can be regulated whereby that method of operation is selected which best corresponds to the concrete conditions of the drive. It is shown that the set up makes possible the establishment of a feedback which is proportional to the pure first lead-off of the generator EMF, whereas the stabilizing transformer in the case of equal input voltage yields two components of which the one is proportional to the first lead-off of the EMF of the generators and the second component to the second. The parameters of the elastic feedbacks and the character of the controlling device are dealt with. It is recommended to construct the load compensation regulator with a linear resistance in the circuit of the

Card 1/2

Controlling a Mill with Separately Driven Rollers.

winding. The task of the resistance is not to hinder the regulator in the balancing of the motor loads. The new system was checked in the laboratory and is already being used for industrial purposes. Then follows a description of such a system as was put into operation in Voroshilovsk in the heavy metal plate rolling mill 2800. The experience gathered is positive and it is recommended that the system be used in the new rolling mill to be constructed. (8 Illustrations and 4 Citations from Slav Publications).

Association: TsKB "Elektroprivod"
PRESENTED BY:
SUBMITTED: 10.1.1957
AVAILABLE: Library of Congress

SLEZHANOVSKIY, O.V.

PHASE I BOOK EXPLOITATION SOV/4333

Vsesoyuznoye ob"yedinennoye soveshchaniye po avtomatizatsii proizvodstvennykh protsessov v mashinostroyenii i avtomatizirovannomu elektroprivodu v promyshlennosti. 3d, Moscow, 1959

Elektroprivod i avtomatizatsiya promyshlennykh ustanovok; trudy soveshchaniya (Electric Drive and Automation in Industrial Systems; Transactions of the Conference) Moscow, Gosenergoizdat, 1960. 470 p. 11,000 copies printed.

General Eds.: I.I. Petrov, A.A. Sirotin, and M.G. Chilikin; Eds.: I.I. Sud, and B.F. Silayev; Tech. Eds.: K.P. Voronin, and G.Ye. Larionov.

PURPOSE: The collection of reports is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education.

COVERAGE: The book is a collection of reports submitted by scientific workers at plants, scientific institutes and schools of higher education at the third Joint All-Union Conference on the Automation of Industrial Processes in Machine Building and Automated Electric Drives in Industry held in Moscow on May 12-16, 1959. The Conference was called by the Academy of Sciences USSR, the Gosplan SSSR (State Planning Commission USSR), the GNTK SSSR, the Gosudarstvennyy Komitet po avtomatizatsii i mashinostroyeniyu (State Committee on Automation and Machine Building) and the Natsional'nyy Komitet SSSR po avtomaticheskomu upravleniyu (USSR National Committee on Automatic Controls) and prepared by the Nauchno-tekhnicheskiy komitet po avtomatizirovannomu elektroprivodu (Scientific and Technical Committee on Automated Electric Drives), the MEI (Moscow Institute of Energetics), the VNIIEM, the IAT (Institute of Automation and Telemechanics) of the Academy of Sciences USSR, and the Komissiya po tekhnologii mashinostroyeniya Instituta mashinovedeniya AN SSSR (Commission on the Technology of Machine Building of the Institute of Science of Machines of the Academy of Sciences USSR). It was the purpose of the Editorial Board to arrange the reports in a way which would ensure a relatively systematic presentation of theoretical and practical problems relating to electric drives and automatic controls of industrial mechanisms used in various branches of industry. Basic problems of automated electric drive and their solution are outlined. The book also contains articles on electric machinery and means of automation. Considerable attention is paid to noncontact automatic control systems, including systems with semiconductor devices and magnetic amplifiers, and to computers intended both for the analysis and the synthesis of linear and nonlinear automatic regulation and control systems. Reports already published in journals or official publications have been considerably abbreviated; those which have appeared in volume V of NII EP transactions or in the journal "Elektrichestvo" are marked with an asterisk. No personalities are mentioned. References accompany some of the papers.

PART I. GENERAL PROBLEMS CONCERNING THE THEORY AND PRACTICE OF ELECTRIC DRIVE AND AUTOMATION OF CONTROL

SLEZHANOVSKIY, O.V.

Vsesoyuznoye ob"yedinennoye soveshchaniye po avtomatizatsii proizvodstvennykh protsessov v mashinostroyenii i avtomatizirovannomu elektroprivodu v promyshlennosti. 3d, Moscow, 1959

Elektroprivod i avtomatizatsiya promyshlennykh ustanovok; trudy soveshchaniya (Electric Drive and Automation in Industrial Systems; Transactions of the Conference) Moscow, Gosenergoizdat, 1960. 470 p. 11,000 copies printed.

General Eds.: I.I. Petrov, A.A. Sirotin, and M.G. Chilikin; Eds.: I.I. Sud, and E.F. Silayev; Tech. Eds.: K.P. Voronin, and G.Ye. Larionov.

PURPOSE: The collection of reports is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education.

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PART I. GENERAL PROBLEMS CONCERNING THE THEORY AND PRACTICE OF ELECTRIC DRIVE AND AUTOMATION OF CONTROL

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Vsesoyuznoye ob"yedinennoye soveshchaniye po avtomatizatsii proizvodstvennykh protsessov v mashinostroyenii i avtomatizirovannomu elektroprivodu v promyshlennosti. 3d, Moscow, 1959

Elektroprivod i avtomatizatsiya promyshlennykh ustanovok; trudy soveshchaniya (Electric Drive and Automation in Industrial Systems; Transactions of the Conference) Moscow, Gosenergoizdat, 1960. 470 p. 11,000 copies printed.

General Eds.: I.I. Petrov, A.A. Sirotin, and M.G. Chilikin; Eds.: I.I. Sud, and E.F. Silayev; Tech. Eds.: K.P. Voronin, and G.Ye. Larionov.

PURPOSE: The collection of reports is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education.

COVERAGE: The book is a collection of reports submitted by scientific workers at plants, scientific institutes and schools of higher education at the third Joint All-Union Conference on the Automation of Industrial Processes in Machine Building and Automated Electric Drives in Industry held in Moscow on May 12-16, 1959. The Conference was called by the Academy of Sciences USSR, the Gosplan SSSR (State Planning Commission USSR), the GNTK SSSR, the Gosudarstvennyy Komitet po avtomatizatsii i mashinostroyeniyu (State Committee on Automation and Machine Building) and the Natsional'nyy Komitet SSSR po avtomaticheskomu upravleniyu (USSR National Committee on Automatic Controls) and prepared by the Nauchno-tekhnicheskiy komitet po avtomatizirovannomu elektroprivodu (Scientific and Technical Committee on Automated Electric Drives), the MEI (Moscow Institute of Energetics), the VNIIEM, the IAT (Institute of Automation and Telemechanics) of the Academy of Sciences USSR, and the Komissiya po tekhnologii mashinostroyeniya Instituta mashinovedeniya AN SSSR (Commission on the Technology of Machine Building of the Institute of Science of Machines of the Academy of Sciences USSR). It was the purpose of the Editorial Board to arrange the reports in a way which would ensure a relatively systematic presentation of theoretical and practical problems relating to electric drives and automatic controls of industrial mechanisms used in various branches of industry. Basic problems of automated electric drive and their solution are outlined. The book also contains articles on electric machinery and means of automation. Considerable attention is paid to noncontact automatic control systems, including systems with semiconductor devices and magnetic amplifiers, and to computers intended both for the analysis and the synthesis of linear and nonlinear automatic regulation and control systems. Reports already published in journals or official publications have been considerably abbreviated; those which have appeared in volume V of NII EP transactions or in the journal "Elektrichestvo" are marked with an asterisk. No personalities are mentioned. References accompany some of the papers.

PART I. GENERAL PROBLEMS CONCERNING THE THEORY AND PRACTICE OF ELECTRIC DRIVE AND AUTOMATION OF CONTROL

PART II. ELECTRIC DRIVES OF METALLURGICAL INSTALLATIONS

PHASE I BOOK EXPLOITATION SOV/5007

Slezhanovskiy, Ol'gerd Vladislavovich

Elektroprivod reversivnykh stanov goryachey prokatki (Electric Drives of Reversing Hot-Rolling Mills) Moscow, Metallurgizdat, 1961. 444 p. Errata slip inserted. 5,300 copies printed.

Ed.: V.D. Afanas'yev; Ed. of Publishing House: T.I. Kiseleva; Tech. Ed.: V.V. Mikhaylova.

PURPOSE: This book is intended for technical personnel of planning and research organizations, and may be useful to technical personnel in metallurgical plants and students specializing in electric drives.

COVERAGE: The book examines basic problems related to electric drives for reversing hot-rolling mills and to the automation of control systems. Electrical machines used in reversing mills and the standard components of control and automation systems are described. The book reviews the basic requirements of electric drives and control systems, the method of determining optimum laws of basic-parameter change, and principles for designing efficient control systems. The most advanced and widely used systems of control and automation and problems relating to the electronic electric drive are studied. The book is based

Card 1/11

ARKHANGEL'SKIY, V.I.; LYAMBAKH, R.V.; SLEZHANOVSKIY, O.V.

Automatic control of reversing blooming mills. Stal' 21 no.6:528-534 Je '61. (MIRA 14:5)

(Rolling mills)
(Automatic control)

ACCESSION NR: AP5010882 UR/0286/65/000/007/0063/0064

AUTHORS: Pistrak, M. Ya.; Slezhanovskiy, O. V.

TITLE: Device for limiting the balancing current in reversible convertors. Class 21, No. 169660

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 63-64

TOPIC TAGS: current control

ABSTRACT: This Author Certificate presents a device for limiting the balancing current in reversible converters with two simultaneously controllable groups of rectifiers. The device contains current detectors connected in the cathode circuits of both groups of rectifiers (see Fig. 1 on the Enclosure). To increase the reliability and to simplify the adjustment, the operating coils of the detectors are connected as a cross circuit such that the detector signal of one group of rectifiers is fed to the control system by the rectifiers of the other group. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 11Jun63 ENCL: 01 SUB CODE: EE

NO REF SOV: 000 OTHER: 000

Card 1/2

ACCESSION NR: AP5010882 ENCLOSURE: 01

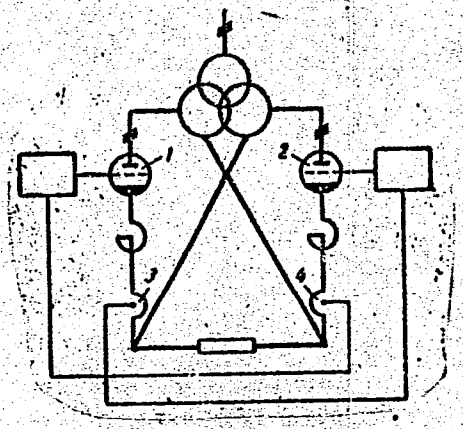

Fig. 1.

Device for limiting the balancing current in reversible converters
1 and 2- first and second groups of rectifiers; 3 and 4- current detectors

Card 2/2

L 27948-66
ACC NR: AP6017708 SOURCE CODE: UR/0105/66/000/001/0085/0086

AUTHOR: Bertinov, A. I.; Voronetskiy, B. B.; Gendel'man, B. R.; Girshberg, V. V.; Gromov, V. I.; Druzhinin, N. N.; Kunitskiy, N. P.; Naumenko, I. Ye.; Petrov, I. I.; Vetrov, G. N.; Rusakov, V. G.; Silayev, E. F.; Slezhanovskiy, O. V.; Syromyatnikov, I. A.; Tulin, V. S.; Filin, N. M.; Tselikov, A. I.; Chilikin, M. G.; Yun'kov, M. G.

ORG: none

TITLE: Engineer N. A. Tishchenko (on his 60th birthday)

SOURCE: Elektrichestvo, no. 1, 1966, 85-86

TOPIC TAGS: electric engineering personnel, metallurgic furnace, electric equipment

ABSTRACT: Nikolay Afanas'yevich Tishchenko completed the Khar'kov Electrotechnical Institute in 1930, after working as an electrician in a Metallurgical plant from 1923-1926. He was active in the development of domestically produced electrical equipment for rolling mills and metallurgical furnace works. He was active during WWII in restoring electrical equipment damaged by the Germans. After the war, he was active in developing electrical drive equipment for both domestic and foreign metallurgical plants. He has been active in scientific work, publishing over 45 works in such varied fields as electric drives, equipment reliability and productivity of labor. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: none

UDC: 621.34

Card 1/1 BLG

SLEZHANOVSKIY, O.V., kand.tekh.nauk

Accounting for and compensation of the effects of eddy currents in the field flux controlling systems of electrical machines. Elektrichestvo no.9:23-27 S '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektromekhaniki.
(Electric machinery)

SLEZIN, I.M.

Institute of technological progress. Stek. i ker. 21 no.1:41 Ja '64. (MIRA 17:8)

1. Redaktor mnogotirazhnoy gazety "Zavodskaya zhizn'".

KRASIL'NIKOV, Fedor Fedorovich; YERETSKIY, A.A., retsenzent; SLEZIN, N.M., nauchnyy red.; APTEKMAN, M.A., red.; FRUMKIN, P.S., tekhn. red.

[Installation of electric lighting equipment on ships] Montazh sudovogo osvetitel'nogo elektrooborudovaniia. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 143 p. (MIRA 14:8)
(Ships--Electric lighting)

KOMIN, A.V., inzh.; POPKOV, K.K., inzh.; SLEZIN, Yu.B., inzh.

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[Teaching arithmetic in preparatory classes and first grade of schools for the deaf; based on practical experience] Obuchenie arifmetike v prigotovitel'nom i pervom klassakh shkol glukhonemykh; iz opyta raboty. Moskva, Gos.uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 149 p. (MIRA 11:2)
(Arithmetic--Study and teaching)
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"Investigation of the Prerequisites for a Continuous Production Instrument in Machine Building Plants." Leningrad Engineering-Economic Inst imeni V. M. Molotov, (Leningrad), 1952
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SO: Knizhnaya Letopis', No. 32, 6 Aug 55

KACHALINA, L.N.; SLEZINGER, G.E., kand.tekhn.nauk; KATSMAN, A.B., red.; GAVRIN, P.N., tekhn.red.

[Mechanization of administrative work abroad; review based on foreign sources] Mekhanizatsiia upravlencheskogo truda za rubezhom; obzor po inostrannym istochnikam. Moskva, Vses. in-t nauchn. i tekhn.informatsii, 1959. 45 p. (MIRA 13:6)

1. Ekonomist otdela ratsionalizatsii upravlencheskogo truda Nauchno-issledovatel'skogo instituta truda Gosudarstvennogo Komiteta Soveta Ministrov SSSR po voprosam truda i zarabotnoy platy (for Kachalina). 2. Ispolnyayushchiy obyazannosti zaveduyushchego otdelom ratsionalizatsii upravlencheskogo truda Nauchno-issledovatel'skogo instituta truda Gosudarstvennogo Komiteta Soveta Ministrov SSSR po voprosam truda i zarabtonoy platy (for Slezinger).
(Office equipment and supplies)

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The scientific approach in solving problems of industrial management. Biul.nauch.inform.: trud i zar.plata no.11:3-7 '59. (MIRA 13:5)

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Billions of rubles coud be saved. NTO 2 no.8:23 Ag '60.
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(Automation)

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Organization and methods of automatic control should be improved.
Mekh.i avtom.proizv. 14 no.8:45-47 Ag '60. (MIRA 13:8)
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Main trends in solving the problems of administrative work and research coordination. Biul. nauch. inform.: trud i zar. plata 4 no.3:7-11 '61. (MIRA 14:3)
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Mechanize administrative work. Sots. trud 6 no.6:43-49 Je '61. (MIRA 16:8)

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Mechanization and automation of the management of production and engineering work. Mekh.i avtom.proizv. 15 no.9:58-61 S '61. (MIRA 14:11)

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(Office equipment and supplies)

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Means for the mechanization and automation of engineering and management work in industrial enterprises. Mekh.i avtom.proizv. 16 no.11:47-51 N '62. (MIRA 15:12)

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Unified classification of engineering and management equipment. Mekh.i avtom.proizv. 17 no.9:38-41 S '63. (MIRA 16:10)

SLEZINGER, I. I.; LUNIN, O. G.; and BRONSHTEYN, I.I.

"Problems of the automatization of candy products", Avtomatika i Telemekhanika, Vol 15, No 3,4,5, 1954

Abs

W-31148, 7 Feb 55

LUNIN, O.G. (Moscow); BRONSHTEYN, I.I. (Moscow); SLEZINGER, I.I. (Moscow)

Automatization in the confectionery industry. Avtom. i telem. 15 no.5:445-448 S-O '54. (MLRA 8:1)
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TITKOV, N.I.; VARZANOV, M.A.; SLEZINGER, I.I.; PETROVA, O.P.; BORISOV, G.I.

Drilling by means of electric discharges in fluids. Neft. khoz. 35 no.10:5-10 O '57. (MIRA 11:1)
(Oil well drilling)
(Electric discharges)

SOV/32-24-10-41/70

AUTHORS: Slezinger, I. I., Konenkov, K. S., Petrova, O. P.

TITLE: An Apparatus for Determining the Mechanical Properties of Rocks (Pribor dlya opredeleniya mekhanicheskikh svoystv gornykh porod)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10, pp 1270-1271 (USSR)

ABSTRACT: At the institute mentioned under Association together with the Konstruktorskiy byuro neftyanogo priborostroyeniya (Construction Bureau of Petroleum Machinery) an apparatus was devised for the determination of the hardness of rocks. At the same time also the extent of the deformation of the sample can be determined. An automatic recording of the data is made by the apparatus. As may be seen from a diagram given the apparatus consists of three main parts: the loading device, the electrical indicator for the deformation measurement, and a small stage for fixing the sample. From a diagram of the deformation of a rock sample as a function of the load it may be seen that in spite of a step-wise displacement of the drum the recording is sufficiently accurate. The apparatus described may also be used for testing other non-metallic materials (rubber, ebonite, plastics etc.). There are 2 figures.

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SOV/32-24-10-41/70

An Apparatus for Determining the Mechanical Properties of Rocks

ASSOCIATION: Institut nefti Akademii nauk SSSR (Institute of Petroleum, AS USSR)

Card 2/2

GORLIN, Samuil Markovich; SLEZINGER, Isaak Isayevich; GINEVSKIY, A.S., red.

[Aeromechanical measurements; methods and instruments] Aeromekhanicheskie izmereniia; metody i pribory. Moskva, Izd-vo "Nauka," 1964. 720 p. (MIRA 17:8)

L 16472-65 EWT(d)/EWT(l)/EWP(m)/EWT(m)/EWP(w)/EEC(k)-2/EWG(v)/EWP(v)/EEC-4/
EWP(k)/FCS(k)/EWA(h)/EWA(l) Po-4/Pd-1/Pe-5/Pq-4/Pf-4/Pg-4/Peb/Pi-4/Pk-4/Pl-4
AEDC(a)/ASD(f)-2/AFETR/AFTC(a) EM S/
ACCESSION NR AM4048144 BOOK EXPLOITATION

Gorlin, Samuil Markovich; Slezinger, Isaak Isayevich Br

Aeromechanical measurements; methods and instruments (Aeromekhanicheskiye izmereniya; metody* i pribory*), Moscow, Izd-vo "Nauka", 1964, 720 p. illus., biblio. 4,600 copies printed.

TOPIC TAGS: aerodynamics, wind tunnel

TABIE OF CONTENTS [abridged]:

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