BELICHENKO, A.I.

Mutual compensation of input resistance effect and the load of a T-type bridge in transistorized selective RC amplifiers. Elektrosviaz' 19 no. 12:27-33 D '65 (MIRA 19:1)

BELICHENKO, A.I.

New circuits of selective RC-amplifiers with parallel negative feedback. Radiotekhnika 18 no.11:27-34 N '63. (MIRA 16:12)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.

L 30355-66 EWT(1) GD

ACC NR: AT6008319 SOURCE CODE: UR/0000/65/000/000/0142/0148

AUTHOR: Belichenko, A.I. (L'vov); Andreyeva, V.D. (L'vov)

42
B+1

ORG: none

25

TITLE: Transistorized selective RC amplifiers with controllable tuning

SOURCE: AN UkrSSR. Elementy sistem otbora i peredachi informatsii (Elements of systems for selecting and transferring information). Kiev, Naukova dumka, 1965, 142-148

TOPIC TAGS: tuned amplifier, transistorized amplifier, feedback amplifier

ABSTRACT: Numerous recently proposed transistorized selective RC amplifiers cannot be used for accurate measurements. Their tuning cannot be controlled by the minimum voltage of the feedback, and because of the absence of the phase correction of the input resistance of the transistor RC bridge, they always use a positive feedback which results in unstable selectivity and in an unsteady transfer coefficient of the signal. The present authors investigated the problem and propose a new scheme for a transistorized selective RC amplifier with controllable tuning as shown in Fig. 1. During the experimental testing the d.c. current was stable within 9%, and the transfer coefficient of the signal within 4% with a temperature change from +20 to +80C. The maximum input signal voltage is 3V; tuning frequency, 100 cps; Q-factor, 10; and overall signal transfer coefficient, 0.13. Orig. art. has: 2 figures.

Card 1/2

L 30355-66

ACC NR: AT6008319

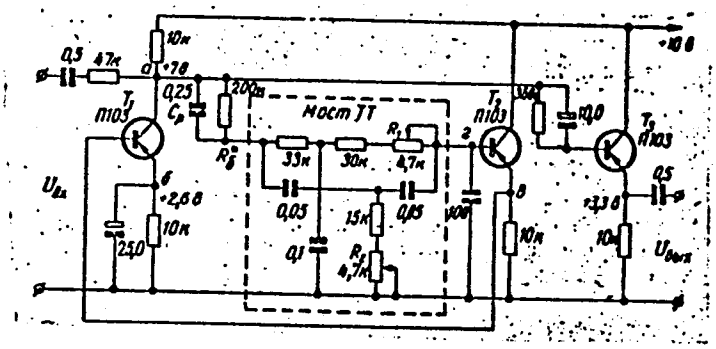


Fig. 1. Transistorized selective RC amplifier circuit with a transistor RC bridge

SUB CODE: 09/ SUBM DATE: 06Nov65/ ORIG REF: 005

Card 2/2

ACCESSION NR: AP4041023 S/0120/64/000/003/0084/0087

AUTHOR: Belichenko, A. I.; Mizyuk, L. Ya.

TITLE: High-resistance input stage for infralow frequency symmetrical signal amplification

SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1964, 84-87

TOPIC TAGS: infralow frequency signal, weak signal amplification, symmetrical signal, high resistance input, cophase noise emf, subtraction circuit, differential circuit, noise compensation

ABSTRACT: The use of an electronic subtraction circuit is considered for the amplification of infralow frequency signals in certain medical, hydroacoustic, and other instruments in which the signal source has a symmetrical output and is a considerable distance away. In the link wires considerable cophase emf's are induced at commercial frequency, often greatly surpassing the useful signal in power. In order to reduce the effect of such inductions, input devices are used which secure both the amplification of the symmetrical signal and a considerable suppression of cophase inductions. Such an input device is

Card 1/5

ACCESSION NR: AP4041023

shown in Fig. 1 of the Enclosure. Two methods of noise compensation are discussed: one consists in the regulation of static amplification factors of both tubes μ_1 and μ_2. This method is found to be unsuitable as it necessitates the reduction of μ_2 and thus also of the weak signal amplification. The other consists in the regulation of noise voltage amplitudes at the input of the output tube. Since there usually is not strict cophasing of inductions in both link wires, one has to adjust the two noise emf's for their phase difference. Further adjustment can be obtained by an alternate regulation of amplitude and phase. In practice a compensation of 25 to 100 is obtainable by this method. Remaining noise harmonics may be suppressed in subsequent amplifying stages using RC circuits. A practical circuit of the input device for amplifying symmetrical signals with frequencies from 1 to 10 cps is presented in Fig. 2b of the Enclosure. Theoretical analysis and experimental checking of the subtraction circuit according to the second method demonstrate that with the introduction of amplitude and phase noise regulation great

Card 2/5

ACCESSION NR: AP4041023

advantages were obtained as compared with the other methods of noise suppression in weak infralow frequency signal amplification. Orig. art. has: 2 figures and 10 formulas.

ASSOCIATION: Institut mashinovedeniya i avtomatiki AN SSSR (Institute for Machine Building and Automatic Control, AN SSSR)

SUBMITTED: 13Jul63 ATD PRESS: 3047 ENCL: 02

SUB CODE: EC NO REF SOV: 003 OTHER: 001

Card 3/5

ACCESSION NR: AP4041023

ENCLOSURE: 01

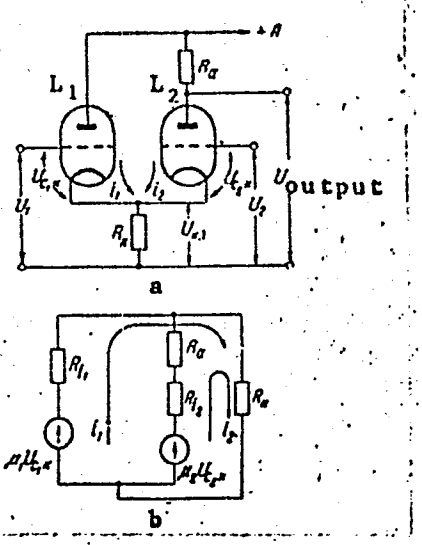


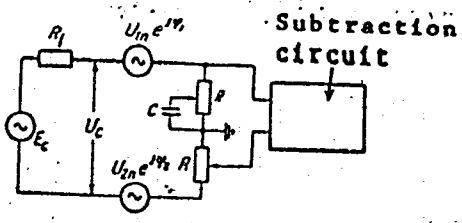
Fig. 1. Asymmetrical subtraction stage

a - Elementary diagram; b - equivalent diagram.

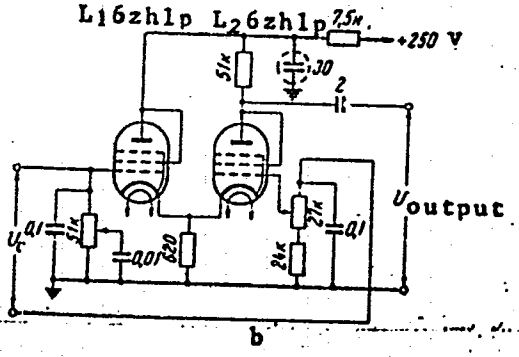
4/5

Card

ACCESSION NR: AP4041023 ENCLOSURE: 02



a



b

Fig. 2. a - Equivalent input circuit with symmetrical signal; b - input circuit of a cascade for amplifying symmetrical signals.

Card 5/5

L 17890-65 ASD(a)-5/AFETR/ESD(t)

ACCESSION NR: AP5000374 S/0108/64/019/011/0042/0047

AUTHOR: Belichenko, A. I. (Active member)

TITLE: Temperature stability of high-selectivity of l-f, LC- and RC-amplifiers

SOURCE: Radiotekhnika, v. 19, no. 11, 1964, 42-47

TOPIC TAGS: amplifier, LC amplifier, RC amplifier, temperature stability

ABSTRACT: Considerations governing the choice of inductors, capacitors, and resistors for high-selectivity temperature-stable LC- and RC-amplifiers are offered; Soviet brands and makes of these components are indicated. Only mica capacitors (KSO, KSG, SGM) are recommended for l-f tuned circuits; for infralow frequencies, larger polystyrene and fluoroplastic capacitors are admissible. Manganin, borocarbon (BLP), and metallized (MGP) resistors are recommended for RC-circuits. Formulas for computing the symmetrical temperature instability are supplied. Asymmetrical instability can be estimated by referring

Card 1/2

L 17890-65
ACCESSION NR: AP5000374

to experimental data reported in the article. A single-stage selective RC-amplifier with a series feedback and Q = 62 was tested at 20—70C; its maximum output and minimum feedback voltages as well as the Q-factor are reported. It is recommended that the final tuning of 1-f amplifiers be made at their ultimate steady-state temperature. Orig. art. has: 2 figures, 16 formulas, and 2 tables.

ASSOCIATION: Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi (Scientific and Technical Society of Radio Engineering and Electrocommunication)

SUBMITTED: 11Dec62 ENCL: 00

SUB CODE: EC, TD NO REF SOV: 006 OTHER: 000

Card 2/2

L 04170-67 EWT(1)/FCC GW
ACC NR: AT6026956 (N) SOURCE CODE: UR/3175/66/000/028/0016/0023

AUTHOR: Belichenko, A. I.

ORG: FMI AN UkrSSR

TITLE: Self-compensation of the constant geomagnetic field by measuring weak variable fields

SOURCE: USSR. Gosudarstvennyy geologicheskiy komitet. Osoboye konstruktorskoye byuro. Geofizicheskaya apparatura, no. 28, 1966, 16-23

TOPIC TAGS: geomagnetic field, geomagnetic measurement, weak magnetic field, geophysic instrument, measuring instrument, MAGNETIC MODULATION

ABSTRACT: This article describes a device for measuring variable magnetic fields with a constant sensitivity in the frequency range from 1 to 500 cps. The variable fields were created by feeding a low-frequency current in Helmholtz coils, in the center of which was a magnetic modulation detector. If an LF signal is sent from the output of the device through a highly selective RC-amplifier with a large dynamic range which filters out interference of the industrial network, variable fields up to 10^{-5} a/m can be measured. The lower threshold of the measurable frequency can be reduced to 0.01 cps and lower if the time constant of the filter in the self-compensation network is increased. A calculation of self-compensation of the geo-

Card 1/2

L 04170-67
ACC NR: AT6026956

magnetic field and the method proposed in this article for eliminating the effective overloads permit designing and adjusting the device for measuring weak magnetic fields of infra-low frequencies by means of the magnetic modulation detectors. Orig. art. has: 3 figures.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 007

Card 2/2

BELICHENKO, A. B.

27967. BELICHENKO, A. B. -- Profilakticheskoye znacheniye broma pri travmaticheskom shoke. Yubileynyy sbornik khirurg. Rabot, posvyashch. Prof. Shilovtsevu. Kuybyshev, 1949, S. 180-84.

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

BELICHENKO, A. V.

27965. BELICHENKO, A. V. O vliyanii broma na posle operatsionnoe techenie. yubileynyy sbornik khirurg. Rabot, Posvyashch. Prof. Shilovtsvu. Kuybyshev, 1949, S. 185-90.

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

BELICHENKO, A. V.

27966. BELICHENKO, A. V. — Patomorfologicheskiye izmeneniya pri travmaticheskom shoke. Yubileynyy sbornik khrurg. Rabot, Posvyashch. Prof. Shilovtsevu. Kuybyshev, 1949, S. 191-95.

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

ZOLOTOVA, N.M., dotsent; BELICHENKO, A.V., professor, zaveduyushchiy; BRUMBERG, A.S., professor, zaveduyushchiy; OSTROVERKHOV, G.Ye., professor, direktor.

Lip cancer. Stomatologiia no.3:36-39 '53. (MLRA 6:7)

1. Gospital'naya khirurgicheskaya klinika Kurskogo meditsinskogo instituta (for Zolotova and Belichenko). 2. Kafedra patologicheskoy anatomii Kurskogo meditsinskogo instituta (for Brumberg and Zolotova). 3. Kurskiy meditsinskiy institut (for Ostroverkhov). (Lips--Cancer)

BELICHENKO, A. V.

BELICHENKO, A. V. "Data on the Recognition of the Nature of the Formation of Traumatic Shock." Dr Med Sci, Second Moscow Medical Inst imeni I. V. Stalin, 18 Jan 54. (Meditsinskiy Rabotnik, 8 Jan 54)

SO: SUM 168, 22 July 1954

USSR / General Biology. Individual Development. Regeneration. B

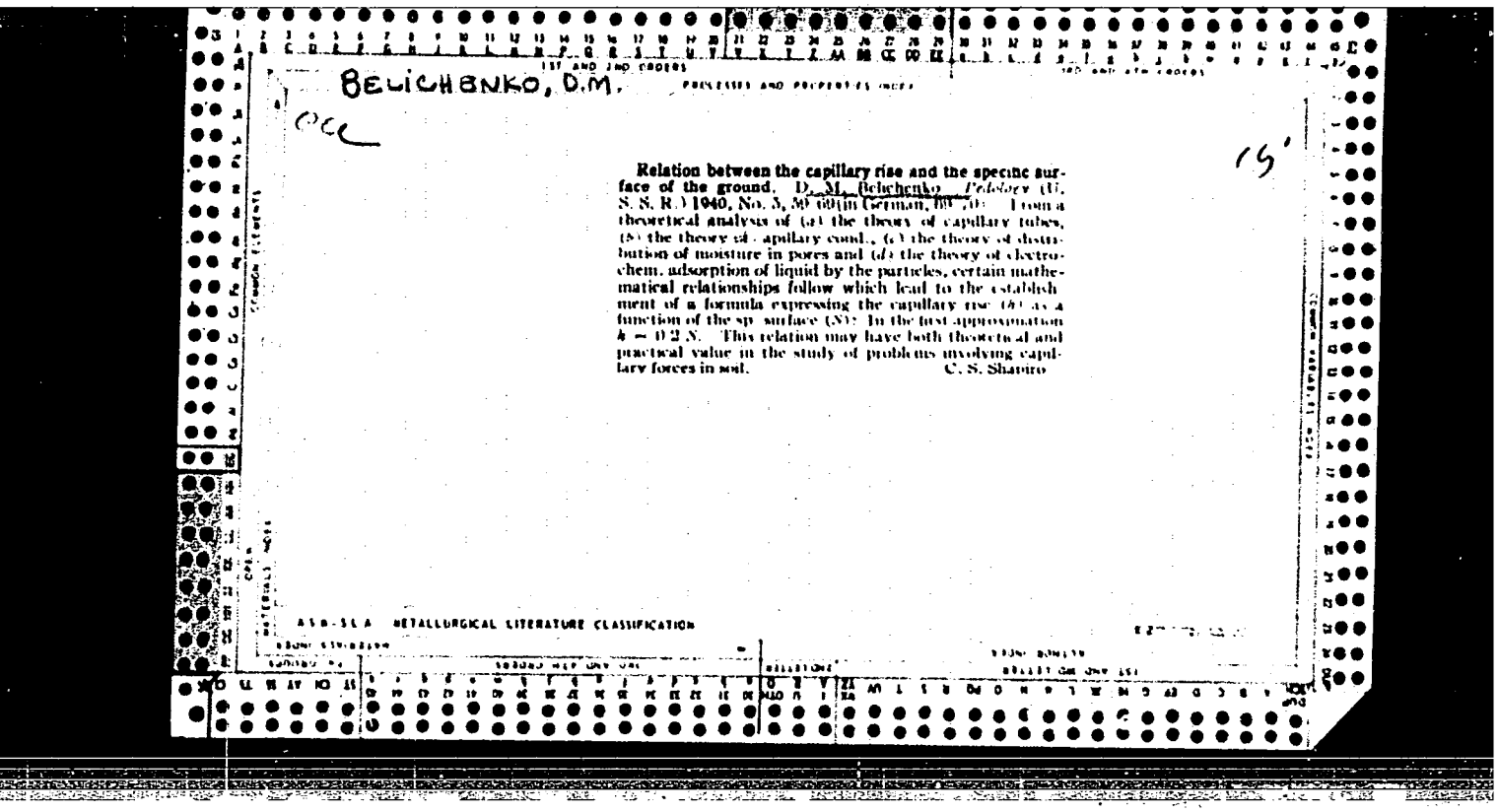
Abs Jour: Ref Zhur-Biol., No 23, 1958, 103320.

Author : Belichenko, A. V.
Inst : Kursk Medical Institute.
Title : The Effect of Sodium Bromide on Bone Tissue Regeneration.

Orig Pub: Sb. tr. Kurskiy med. in-ta, 1956, No 11, 38-40.

Abstract: In addition to the usual therapy forty patients with diaphyseal femoral fractures and diaphyseal leg bone fractures were given sodium bromide in a dose of 0.2-0.6 two to three times a day by mouth. In all cases, an acceleration of consolidation of the callus was found clinically and roentgenologically. Consolidation in some cases was complete after four to five weeks instead of nine. -- A. G. Babayeva.

Card 1/1



BELICHENKO, D.M.

15'

Relation between the capillary rise and the specific surface of the ground. D. M. Belichenko. *Pochvovedenie* (U. S. S. R.) 1940, No. 3, 39–60 (in German, 60–70). From a theoretical analysis of (a) the theory of capillary tubes, (b) the theory of capillary cond., (c) the theory of distribution of moisture in pores and (d) the theory of electrochem. adsorption of liquid by the particles, certain mathematical relationships follow which lead to the establishment of a formula expressing the capillary rise (h) as a function of the sp. surface (N): In the first approximation $h = 0.2N$. This relation may have both theoretical and practical value in the study of problems involving capillary forces in soil. C. S. Shapiro

A 5 8 - 5 1 A METALLURGICAL LITERATURE CLASSIFICATION

BELICHENKO, D.M., kandidat tekhnicheskikh nauk; VEYTSMAN, M.I., kandidat tekhnicheskikh nauk.

Continuous construction of automobile highways in Altai Territory. Avt.dor.19 no.4:4-6 Ap '56. (MLRA 9:8)
(Altai Territority--Road construction)

MOROZOV, S.A., kand. tekhn. nauk,; DENISOV, Ye.M., SAFRONOV, V.N., RITOV, M.N., kand. tekhn. nauk,; GRIBENKO, T.V., kand. tekhn. nauk,; BELICHENKO, D.M., kand. tekhn. nauk,; ALEKSEYEV, A.P., red.; MAL'KOVA, N.V., tekhn. red.

[Progressive practices in road organization] Peredovoi opyt v dorozhnykh organizatsiiakh. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry. No. 2. 1957. 35 p. (MIRA 11:11)

1. Moscow. Gosudarstvennyy Vsesoyuznyy dorozhnyy Nauchno-issledovatel'skiy institut.
(Road construction)

BELICHENKO, D., kandidat tekhnicheskikh nauk.

New D-388 loader mounted on the DT-55 tractor. Avt. dor. 20 no.5: 22-23 My '57. (MLRA 10:8)

(Loading and unloading)

BELICHENKO, D.M.

BELICHENKO, D.M., kand.tekhn.nauk.

New D-336 stone spreader. Avt.dor. 20 no.6:26 Je '57. (MIRA 10:10)
(Road machinery)

BELICHENKO, D.M., kand.tekhn.nauk.

Progressive excavating crew constructing Moscow ring highway.
Avt. dor. 21 no.5:12-13 My '58. (MIRA 11:6)
(Moscow--Road construction)
(Excavating machinery)

BELICHENKO, D.M., kand.tekhn.nauk

Technical requirements concerning rural roads. Avt. dor. 23 no.8:27-28 Ag '60. (MIRA 13:8)
(Road construction)

BELICHENKO, D.M., kand.tekhn.nauk

Testing crushed materials in shelf-type drums. Avt.dor. 23 no.7:17-18 Jl '60. (MIRA 13:7)
(Stone, Crushed—Testing)

BELICHENKO, D., kand.tekhn.nauk

Construction of rural roads. Sel'. stroi. 16 no.12:15 D '61. (MIRA 15:2)

(Road construction)

BELICHENKO, D.M., otv. za vypusk; YEGOZOV, V.P., red.; BODANOVA, A.P., tekhn. red.

[Construction of roads using funds apportioned by decrees of the Presidiums of the Supreme Soviets of the U.S.S.R. and the Union Republics] Opyt stroitel'stva avtomobil'nykh dorog s privlecheniem resursov, vydeliaemykh po ukazam presidiumov Verkhovnykh Sovetov SSSR i soiuznykh respublik; doklady i vystupleniia uchastnikov seminara na VDNKh SSSR, 7-11 dekabria 1961 g. Moskva, Avtotransizdat, 1962. 103 p. (MIRA 16:5)

1. Moscow. Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut.

(Road construction--Finance)

DUBROV, Ye.; BELICHENKO, D., kand.tekhn.nauk

Road work in Volonovakha District, Donetsk Province. Avt. dor. 26 no.2:9-10 F '63. (MIRA 16:4)

1. Zaveduyushchiy Volnovakhskim rayavtoshosdorom, Donetskoy oblasti (for Dubrov).

(Volnovakha District—Road construction)

BELICHENKO, D.M. kand. tekhn. nauk.

"Practice in road construction using resources allowed by decrees of presidiums of supreme councils of the U.S.S.R. and the Union Republics." Reviewed by D.M. Belichenko. Avt. dor. 26 no.5:30 My '63. (MIRA 16:7)

(Road construction)

BELICHENKO, D.M.

Economical and technically sound. Avt.dor. 27 no.6:12,14 Je '64.
(MIRA 18:4)

BELICHENKO, D.M., kand. tekhn. nauk

New road-maintenance machines. Avt. dor. 27 no 9:29 S '64.
(MIRA 17:11)

BELICHENKO, D.M.

Experience of road constructors in the U.S.A. Avt. dor. 27 no.8:4 of cover Ag '64. (MIRA 17:12)

Belichenko, G. F.

AID P - 613

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 17/35

Authors : Motygina, S. A., Eng., and Belichenko, G. F., Eng., Irkutsk

Title : I. A. Syromyatnikov's article: "Requirements for Synchronous Motors and their Control and Protection Circuits", in Elektrichestvo, #5, 1953, (Discussion).

Periodical : Elektrichestvo, 8, 73-75, Ag 1954

Abstract : I. A. Syromyatnikov in his article proposed great simplification of the protection of synchronous motors and their start by a permanently—adjusted exciter. The authors present the results of their experiments with two large centrifugal water pumps driven by synchronous motors with exciters permanently connected. The experiments proved satisfactory. Six drawings.

Institution : Not given

Submitted : No date

PIROGOV, A.A.; LEVE, Ye.N.; BELICHENKO, G.I.; ZHUKOVA, Z.D.; Prinimala uchastiye VOSKRESENSKAYA, S.K.

Investigating the resistance of certain unfired magnesia refractories to the attack of copper-nickel mattes. TSvet. met. 36 no.11:27-32 N '63. (MIRA 17:1)

PIROGOV, A.A.; LEVE, Ye.N.; KRASS, Ya.R.; BELICHENKO, G.I.; KOTIK, P.L.; SIDORENKO, Yu.P.; ZIL'BERG, Ye.S.; DRYAPIK, Ye.P.; VAYNTRAUB, S.S.; ZHIDKOV, V.A.; SHCHEDRINSKIY, L.I.; MOREV, G.P.

Prefabricated blocks of unfired magnesite-chromite brick. Metallurg 9 no.4:23-24 Ap '64. (MIRA 17:9)

1. Ukrainskiy institut ogneuporov, Nikitovskiy dolomitovyy kombinat i Kommunarskiy metallurgicheskiy zavod.

PIROGOV, A.A.; RAKINA, V.P.; KRASS, Ya.R.; VOLKOV, N.V.; BELICHENKO, G.I.; GALATOV, N.S.; NESTEROVA, A.L.; KORKOSHKO, N.M.; YEL'TSOV, V.V.

Dolomite magnesite blocks for lining oxygen-blown converters. Ogneupory 30 no.9:4-5 '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Pirogov, Rakina, Krass, Volkov, Belichenko).
2. Krivorozhskiy metallurgicheskiy zavod (for Galatov, Nesterova, Korkoshko, Yel'tsov).

BELICHENKO, G.M.

VINTER, A.V., akademik; KUKUSHKIN, I.N., inzhener; TRAPEZNIKOV, V.A.; NIKOLAYEV, A.T., inzhener (Muromtsevo, Vladimirskoy obl.); KUDELIN, Ya.M. (Muromtsevo, Vladimirskoy obl.); PETROV, I.I., dotsent, kandidat tekhnicheskikh nauk (Moscow); Badalyants, M.G., inzhener; BELICHENKO, G.M., inzhener; KLAPCHUK, L.D., inzhener; FRANTSUZOV, Ye.M., inzhener; TAREYEV, B.M., professor, doktor tekhnicheskikh nauk; MAGIDSON, A.O., inzhener.

Improving theknowledge of power engineers through correspondence courses. Remarks on B.M.Tareev's and A.O.Magidson's article. Elektrichestvo no. 3:76-80 Mr'54. (MLRA 7:4)

1. Energeticheskiy institut im. Krzhizhanovskogo Akademii nauk SSSR (for Vinter). 2. Glavnyy energetik Gor'kovskogo avtomobil'nogo zavoda im. Molotova (for Kukushkin). 3. Institut avtomatiki i telemekhaniki Akademii nauk SSSR (for Trapeznikov). 4. Chlen-korrespondent Akademii nauk SSSR (for Trapeznikov). 5. Leninakanges (for Badalyants). 6. Dnepropetrovskiy institut inzhenerov transporta (for Belichenko). 7. Kurakhovskaya gres (for Klapchuk). 8. Orekhovo-Zuyevskaya tets (for Frantsuzov). 9. Vsesoyuznyy zaochnyy energeticheskiy institut (for Tareyev and Magidson).

8(0)

SOV/112-59-4-7068

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, p 94 (USSR)

AUTHOR: Belichenko, G. M.

TITLE: Comparison/Schemes for Accurate Stopping of Induction-Motor Drives

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Energetika, 1958, Nr 2, pp 31-40

ABSTRACT: To secure high accuracy of stopping, a two-step braking is used: normal-to-low speed switching, bringing the mechanism to the stop position at low speed, and final braking. An accurate stop can be realized either by a dynamic braking, or by DC fed to the stator and rotor, or by AC fed to the stator. The stopping accuracy is expressed by

$$\Delta\delta = \frac{\delta_{fmax} - \delta_{fmin}}{2}$$

where δ_{fmax} and δ_{fmin} are maximum and minimum rotor angles at the stop with an allowance for the rotor turning during equipment operation. A comparison of different stopping schemes shows that the stopping accuracy

Card 1/2

Comparison of Schemes for Accurate Stopping of Induction-Motor Drives

($\Delta\delta$ = 0.8) attainable with AC is twice as high as that attainable with DC. The stopping accurace with AC and dynamic braking ($\Delta\delta$ = 0.18) is 5 times as high as that attainable with DC and dynamic braking ($\Delta\delta$ = 1.0). Analysis of the curves $\omega = f(t)$ and $\alpha = f(t)$ shows that the electrically-fixed stopping is an oscillatory process for both DC and AC. An additional dynamic braking can be used for suppressing the oscillations of both speed and rotor angle, cutting the time of rotor oscillations, and for raising the stopping accuracy. The DC source capacity with AC fixing and dynamic braking is one-half as high as that with DC fixing and dynamic braking. Use of simple AC schemes for preliminary braking and for accurate stopping , in the mechanisms that require accurate stopping, will tend to increase the mechanism productivity, precision and quality of product, improve the process, ensure higher safety of work, and permit automating individual mechanisms.

V.A.B.

SOV/144-58-11-11/17

AUTHOR: Belichenko, G. M. (Senior Lecturer)

TITLE: An Automatic Electric Drive for a Locomotive Turntable (Avtomatizirovannyy elektroprivod povorotnogo kruga dlya lokomotiva)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1958, Nr 11, pp 100-106 (USSR)

ABSTRACT: The existing method of controlling a locomotive turntable by means of controller type KTK-3005 did not necessarily ensure that the turntable stopped in the required position. A new automatic electric drive for the turntable was accordingly developed and tested. A diagram of the turntable is given in Fig 1 and the sequence of operations in turning a locomotive round is explained. A schematic circuit diagram of the method of connecting the three-phase induction motor with slip rings to fix the rotor position of the motor is given in Fig 4a. The main characteristics of the 22 kW motor used are given. A schematic circuit diagram of the turntable control circuit is given in Fig 2 and the operation of the various components is explained. The transient processes of starting,

Card 1/2

An Automatic Electric Drive for a Locomotive Turntable

preliminary retardation and accurate stopping were calculated by a graphical-analytical method and verified experimentally. The formulae used in the calculations are given. The principal characteristics of the turntable with and without a locomotive and performance data of the circuit are given in Table 1 which shows that the greatest calculated error of positioning is 1.33 mm and the greatest test value 1.5 mm. It is concluded that the process of turning a locomotive round has been made completely automatic with satisfactory accuracy and that the whole process has been speeded up. There are 4 figures, 1 table and 3 Soviet references.

ASSOCIATION: Kafedra elektrosnabzheniya Dnepropetrovskogo instituta inzhenerov zheleznodorozhnogo transporta (Chair for Electricity Supply at Dnepropetrovsk Institute of Railway Transportation Engineers)

SUBMITTED: September 12, 1958.

BELICHENKO, G.M., inzh.

Comparison of precision stopping systems for asynchronous electric drives. Izv. vys. ucheb. zav.; energ. no. 2:31-40 F '58. (MIRA 11:7)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta.
(Electric motors, Induction)

BELICHENKO, G.M.

AUTHOR: Belichenko, G.M., Engineer. 110-3-8/22

TITLE: Accurate Stopping of Electrical Drives (O tochnom ostanove elektroprivodov)

PERIODICAL: Vestnik Elektropromyshlennosti, 1958, Vol.29, No.3, pp. 39 - 42 (USSR).

ABSTRACT: It is often necessary to control accurately the position of stopping of an electrically driven machine. A popular two-stage braking system is illustrated in Fig.1. Calculation of the accuracy of stopping by means of the formulae derived by A.S. Sandler (Vestnik Elektropromyshlennosti, 1940, No.10) gives asymmetric errors. In this article, general formulae are derived for the angle of starting and for the degree of accuracy of stopping for rectilinear rigid mechanical characteristics at reduced speed, making allowance for various factors. These formulae give symmetrical deviations from the required place of stopping. Fixation can be effected by static torque, electro-mechanical braking and dynamic braking.
The initial expression by which to establish the angle of braking is given and a diagram of the angular displacement of the drive during stopping is given in Fig.2. The formulae mentioned are then derived. A specimen calculation is made of the stopping angle and degree of accuracy of stopping of a

Card1/2

Accurate Stopping of Electrical Drives 110-3-8/22

railway turntable; the results are tabulated. Factors that increase the accuracy of stopping are listed.
There are 2 figures, 1 table and 1 Russian reference.

ASSOCIATION: Dnepropetrovsk Institut of Railway Transport Engineers (Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta)

AVAILABLE: Library of Congress
Card 2/2

1. Electrical machines. 2. Electromechanical braking
3. Dynamic braking

BELICHENKO, G. M., Candidate of Tech Sci (diss) -- "Investigation of a precision stopping device and of the transitory processes in an electric drive with an asynchronous motor with a phase rotor upon DC and AC fixation". Moscow, 1959. 20 pp (Min Higher Educ USSR, Moscow Order of Lenin Power Engineering Inst), 150 copies (KL, No 20, 1959, 112)

BELICHENKO, G.M.

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BELICHENKO, V.G.

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Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, p 6 (USSR)

AUTHORS: Pavlovskiy, Ye. V., Khrenov, P. M., Belichenko, V. G.

TITLE: Ancient Strata of the Barguzin-Vitimskiy Region in the Transbaikalia (Drevnlye tolshchi Barguzino-Vitimskogo rayona Zabaykal'ya)

PERIODICAL: V sb: Voprosy geologii Azii. Vol 1, Moscow, Izd-vo AN SSSR, 1954, pp 629-648.

ABSTRACT: Bibliographic entry

Card 1/1

BELICHENKO, V.G.

3(5) p. 3 PHASE I BOOK EXPLOITATION SOV/1923

Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh nauk. Komissiya po probleme "Zakonomernosti razmeshcheniya poleznykh iskopayemykh."

Zakonomernosti razmeshcheniya poleznykh iskopayemykh (Regularities in the Distribution of Mineral Deposits Vol 1. Moscow, Izd-vo AN SSSR, 1958. 532 p. Errata slip inserted. 2,500 copies printed.

Resp. Ed.: N.S. Shatskiy, Academician; Editorial Board: N.S. Shatskiy, Academician, D.I. Shcherbakov, Academician, N.A. Belyayevskiy, N.N. Dolgopolov, O.D. Levitskiy, Yu.M. Pushcharovskiy, G.A. Sokolov; Ed. of Publishing House: G.I. Nosov; Tech. Ed.: I.N. Guseva

PURPOSE: This book is intended for geologists and petrographers, particularly those interested in the worldwide distribution of minerals and the reasons underlying their occurrence.

Card 1/6

COVERAGE: On the basis of particular regional studies this book attempts to establish the rules governing the distribution of metallic and non-metallic ore deposits. The work includes articles on the metallogeny of individual minerals, on broad methodological problems, and on the possibility of predicting the occurrence of a mineral in the USSR on the basis of its occurrence throughout the world. Six maps depicting the distribution of a particular mineral throughout the world are included with the work. References accompany each article.

TABLE OF CONTENTS