ADAMEK, Vladimir, dr.

Instruction on standardization in enterprises in the German Democratic Republic. Normalizace 11 no. 12: 388 D '63.

1. Vedouci oboroveho normalizacniho strediska Obaloveho ustavu.

MLEJNEK, Otakar, inz., C.Sc.; ADAMEC, Vladimir, inz., C.Sc.

Determining small quantities of methyl alcohol in ethyl alcohol by gas-liquid chromatography. Chem zvesti 17 no.2: 118-125 '63.

1. Vyskumny ustav kablov a izolantov, Bratislava, Tovarenska 12.

ADAMEC, Vladimir, inz., kandidat technickych ved.

Changes of mechanical properties of organic insulants caused bu ionizing radiation. El tech obzor 52 no.8:406-411 Ag '63.

1. Vyskumny ustav kablov a izolantov, Bratislava.

ADAMEC, Vladimir

Mechanism of anomalous electric conductivity of polymer dielectrics. Slaboproudy obzor 25 no.6:336-339 Je '64.

1. Research Institute of Cables and Insulators, Bratislava.

Z/0039/64/025/006/0336/0339

ACCESSION NR: AP4039421

AUTHOR: Adamec, Vladimir

TITLE: A mechanism of anomalous electrical conductivity in polymer dielectrics

SOURCE: Slaboproudy obzor, v. 25, no. 6, 1964, 336-339

TOPIC TAGS: electrical conductivity, dielectric electrical conductivity, polymer dielectric electrical conductivity, dielectric, anomalous electrical conductivity, electric insulating material, electrical insulation, polyethylene terephthalate, Maxwell-Wagner conductivity

ABSTRACT: The article presents the experimental results of investigating the mechanism of electrical conductivity in polymer dielectrics Polyethylene terephthalate (Melinex) was used as the plastic insulator. Experiments were conducted with and without emission. Findings indicate an ionic character of the anomalous conductivity. The author found that not only the stabilized amount of the dielectrics conductivity rises with emission, but also the anomalous conductivity. This indicates that the anomalous conductivity without emission is of the Maxwell-Wagner type and is not the result of dipole polarization mechanism. It was also

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100320003-2"

ACCESSION NR: AP4039421

ascertained that the anomalous conductivity during emission is close to the constant multiple of emissionless anomalous conductivity over a wide time interval. Original article has: 6 figures.

ASSOCIATION: Vyzkumny ustav kablov a izolantov, Bratislava (Research Institute for Cables and Insulators)

SUBMITTED: 28Dec63	DATE ACQ: 19Jun64	ENCL: 00
SUB CODE: EE, MT	NO REF SOV: 000	OTHER: 009

Card 2/2

ADAMEC, V.; GOMERY, I.

Conference on dielectric and insulation materials in London. El tech obzor 53 no.9:Suppl: Zpravy 53 no.9:Z34-Z35 S '64.

ADAMEC, Zdenek, MVDr.

Methods of fighting tuberculosis in cattle on collective farms. Veterinarni medicina 7 no.1:15-38 '62.

1. Okresni veterinarni zarizeni, Svitavy.

CZAGANYI, Zsuzsa, okleveles gepeszmernok; ADAMECZ, Peterne

Eliminating electrostatic charging appearing in the winding of the Orlon thread. Magy textil 14 no.9:402-403 S '62.

1. Textilipari Kutato Intezet (for Czaganyi). 2. Rakospalotai Kotottarugyar (for Adamecz).

S/035/62/000/008/051/090
A001/A101

AUTHOR: Adámek

TITLE: On the seminar of the Scientific Research Institute of Geodesy and Cartography in Prague

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 5, abstract 8G36 ("Geod. a kartogr. obzor", 1962, v. 8, no. 1, 18 - 19, Czech)

TEXT: The report by P. Vyskočil on "Systematic errors and accuracy of double-image range finders" was discussed in a seminar held on September 29, 1961. Investigations carried out during 1960 discovered some changes in the constants of range finders which occurred when daily lighting of range rods was replaced by artificial illumination. Maximum deviations were noticed while using red light, they amounted to 10 cm per 100 m for the Dimesskéil range finder and to 6 cm per 100 m for the Redta range finder. Moreover, it was noticed that personal observer errors changed, following a change in color of illumination.

D. K.

[Abstracter's note: Complete translation]

Card 1/1

ADAMEK, inz.

The seminar of the Research Institute of Geodesy, Topography and Cartography in Prague. Geod kart obzor 8 no.1:18-19 Ja '62.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application - Food Industry. H.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 30528

Author : Kalisek, J., Adamek, B., Chrz, A.
Inst : -
Title : Product Lines of Canning Factories.

Orig Pub : Prumysl Potravin, 8, No 8, 436-439, 1957, (in Czech with summaries in German, English, French, and Russian)

Abstract : The product lines and operation of canning factories are discussed. A brief description of canning equipment, particularly of newly introduced machinery, is also presented.

Card 1/1

19

ADAMEK, Boleslaw, inz.

An example of using an unfully loaded boiler house as a local heating plant. Energetyka przem 10 no.2:60-62 '62.

ADAMEK, Boleslaw, inz.

Utilization of inactive generators as synchronous compensators.
Energetyka przem 10 no.12:425-427 D '62.

ADAMEK, Boleslaw, inz.

Capacity variability of monophase ; tatic condensers depending on defects and measurements of the r capacity. Gosp paliw 11 no.5:185-186 My '63.

ADAMEK, F.

"Czechoslovakia in Brussels, 1958."

p. 3 (Czechoslovak Heavy Industry/Special issue/ 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9, September 1958

ADAMEK, I.; DRESSLER, M.

Experiences gained with one or two-drum mechanical winches in the storm-stricken area of Jeseniky. p. 15 (Les Vol. 3 (i.e. 12) no. 1, Jan. 1956 Bratislava)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

ADAMEK, Ivo, inz.

Results of the research on attached earth scarifiers. Les cas 11 no.3:233-248 Mr '65.

1. Research Institute of Forestry and Gamekeeping, Research Station Krtiny. Submitted July 10, 1964.

CZECHOSLOVAKIA

RUBELKOVA, L; ADAMEK, J; PONEC, V

1. Department of Physical Chemistry, Karlova University - (for ?) 2. Institute of Physical Chemistry, Czechoslovak Academy of Sciences - (for ?)

Prague, Collection of Czechoslovak Chemical Communications, No 2, February 1967, pp 892-895

"Thermomolecular effect of cyclopropane."

ADAMEK, J.

Laboratory tests of Zeiss Theo 010 theodolite. p. 170.

GEODETICKY A KARTOGRAFICKY OBZOR. (Ustredni sprava geodesie a kartografie) Praha, Czechoslovakia. Vol. 5, no. 9, Sept. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959, Uncl.

2

ADAMEK, J.; SEMRAD, B.; POMEC, V. CSSR

Institute of Physical Chemistry, Charles University, Institute for Physical Chemistry, Czechoslovak Academy of Science, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 12, 1963, pp 2966-2968.

"Thermomolecular Effect of Ammonia"

3

ADAMEK, J.; SEMRAD, B.; PONEC, V.

Thermomolecular effect of ammonia. Coll Cz Chem 27 no.12:2966-2968 D '62.

1. Institut fur physikalische Chemie, Karlsuniversitat; Institut fur physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften.

ADAMEK, Jan

To N. I. Pirogov's "Letters of Sebastopol." Cas. lek. cesk. 96 no.2:58-59 11 Jan 57.

1. Statni okresni nemocnice v Nachode, chir. odd., prednosta Dr. Jan Adamek.
(BIOGRAPHIES
Pirogov, N. I. (Cz))

ADAMEK, Jan, MUDr.

Nikolai Ivanovich Pirogov, a great thinker and teacher. Cas.lek.cesk 100 no.17:539-541 28 Ap '61.

(BIOGRAPHIES)

[redacted], MUDr.

[redacted]

Volvulus of the small intestine caused by Meckel's diverticulum.
[illegible]. chir. 23 no.2:165-166 Mar 56

[illegible] chirurgického oddelení st. okresní nemocnice v Náchodě.

(MECKEL'S DIVERTICULUM, compl.
volvulus of small intestine (Cz))
(INTESTINAL OBSTRUCTION, etiol. & pathoger.
Meckel's diverticulum causing volvulus of small intestine
(Cz))

ADAMEK, Jan (Nachod, Fucikova 1489)

2 interesting cases of foreign bodies in the urinary bladder introduced in instrumental masturbation. Rozhl. chir. 37 no.5:343-344 May 58.

1. St. okresni nemocnice, Nachod.
(BLADDER, for. bodies
introduced in instrumental masturbation, case reports (Cz))
(MASTURBATION
instrumental, with subsequent for. bodies in bladder, case reports (Cz))

ADAMEK, K.; SMOTLACHA, M.

The refrigeration industry enlarges the number of products by including new semifinished goods and frozen prepared foods. p.46

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu) Praha

Vol. 6, no. 1, 1955

East European Accessions List Vol. 5 No. 1 Jan. 1956

ADAMEK, Karel (Praha)

More vitamins in food products. Prum potravin 14 no.4:203-206 Ap '63.

ADAMEK, Karel (Praha)

Cultivation of peaches for the food industry. Prum potravin 15 no.5:248-251 My '64.

ŠPAČEK, Karel (Prague)

Apricots in the food industry. Prum potravin 15 no. 7:
340-341 Jl '64.

ADAMEK, Karel

"Food canning in households" by [Ing.] Jaroslav Polnstik. Reviewed by Karel Adamek. Prum potravin 15 no.10:535 O '64.

CZECHOSLOVAKIA

ADAMEK, M.

LABORATORY OUHZ (Laborator OUHZ), Prague

Prague, Rozhledy v tuberkulose, No 9, 1963, pp 644-648

"The Relationship between Zinc Test Positivity and Tuberculosis."

15.8000

S/081/62/000/014/036/039
B162/B101

AUTHOR: Adámek, Milan

TITLE: Method of preparing new high-molecular compounds

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 14, 1962, 662, abstract 14P444 (Czechoslovak patent 94517, March 15, 1960)

TEXT: 4 g N-amino-2,5-bis-hydroxy-methyl-triazon-1,3,4 are heated with 3.28 g of succinic acid to 160 - 220°C in CO_2 atmosphere for 200 min. A fiber-forming polymer results, which shows a green fluorescence. In order to increase the degree of polymerization, the fural phase of the process is carried out at a pressure of 2-3 mm Hg. [Abstracter's note: Complete translation.]

Card 1/1

PFLIEGEL, Theodor; ADAMEK, Milan; VOZNICOVA, Eva

Data on the effect of concentrated sulphuric acid on some substituted 1,4-acylamino-arylamino-anthraquinones. Chem prum 14 no.12:641-643 D '64

1. At present: Chinoin, Budapest-Ujpest (for Pfliegel). 2. Chair of Organic Substance Technology of the Higher School of Chemical Technology, Pardubice (for Adamek and Voznicova).

ADAMEK, M.; KLICNAR, J.; NOVOTNY, A.

SCIENCE

Periodical COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT. Vol. 23, no. 1, Jan. 1958.

ADAMEK, M.; KLICNAR, J.; NOVOTNY, A. Hydrazinolysis of ε-caprolactam. In German. p. 15

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

ADAMEK, M.

X

Addition of hydrogen bromide to undecylenic acid. Milan Adámek and Jiří Schreiber (Vysoká škola chem.-technol., Pardubice, Czech.). *Sborník věd. prací, Vysoká škola chem.-technol. Pardubice* 1959, 269-79.—The literature was reviewed and some of the contradictory expts. were repeated. The solvent alone has no influence on the orientation of the addn. Excess of oxygen may lower the yield of the adduct. The presence of heptaldehyde in the starting material as well as the presence of water in the reaction can reverse the addn. and thus the differences in the literature can be explained. 58 references.
Alexej B. Bořkovec

CEE, Ales; ADAMEK, Milan

Contribution to the degradation kinetics of diazo-p-toluidine nitrate. Chem prum 12 no.9:497-498 S '62.

1. Vyzkumny ustav organickych syntez, Pardubice - Rybitvi (for Cee). 2. Vysoka skola chemickotechnologicka, Pardubice (for Adamek).

ADAMEK, Milan; NOVAK, Jiri

New linear polyesters on the basis of diphenyl sulfone-4,4'-dicarboxylic acid. Sbor VSCHT Pardubice no.1:97-112 '63.

1. Chair of Plastics, Higher School of Chemical Technology, Pardubice.

ADAMEK, Milos; JILEK, Rudolf; KOMINEK, Jiri

Photocolorimetric method for determining the fat content in milk. Prum potravin 13 no.3:154-157 Mr '62.

1. Obvodni ustav narodniho zdravi Praha (for Adamek).
2. Vyzkumny ustav zemedelsky, Brno (for Jilek). 2. Laktos, n.p., Praha (for Kominek).

HAJTMEK, O.

DRAC, P.; UHER, M.; ADAMEK, O.; ELGER, V.

Fetal mortality at term and its prevention. Cas. gyn. 23[37] no.4: 258-262 June 58.

1. I. por. gyn. klinika MU v Brne, prednosta prof. Dr. L. Havlasek. P. D., I. por. gyn. klin. MU v Brne.
(INFANT MORTALITY, prevention and control, fetal mortal. at term (Cz))

ADAMEK, Oldrich

Cancer of the cervix uteri in pregnancy. Cesk. gyn. 26[40] no.6: 478-480 Jl '61.

1. I gyn. por. klin. UJEvP v Brne, prednosta prof. MUDr. Ludvik Havlasek.
(CERVIX NEOPLASMS in pregn.) (PREGNANCY complications)

CZECHOSLOVAKIA

ADAMEK, P; DOLEZAL, J; ZYKA, J.

1. Department of Instrumental Analysis of the Technical Higher School of Chemistry, Prague; 2. Institute of Analytic Chemistry of Charles University, Prague

Prague, Collection of Czechoslovak Chemical Communications, Vol 8, 1963, pp 2131-2137

"Report on the Theory upon which the Oxydation-Reduction Reaction-Polarometric Titration is Based."

[illegible]

[illegible], [illegible]; [illegible], [illegible]; ADAMEK, P.

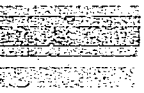
1. [illegible] of Organic [illegible] of the Institute of Chemical Technology, Prague; 2. [illegible] of Special Analytic Methods of the Institute of Chemical Technology, [illegible]

[illegible], Collection of [illegible] Chemical Communications, [illegible]

"Asymmetric Reactions, [illegible]. Ultra-Violet and Infrared Spectra of [illegible] Ketones, Cyclohexylaryl Ketones and Diaryl Ketones."

BUREK, Rudolf, mgr; LACH, Ryszard, mgr inz.; MIRONOWICZ, Wladyslaw, mgr inz.
ADAMEK, Ryszard, mgr inz.; KRYSIK, Marian, inz.

Measuring the density of the filling mixture by using the gamma radiation absorption method. Przegl gorn 20 no.10: Supplement:Biul glow inst gorn 14 no.2:11-14 '63.



NEYMAN, B.; ADAMEK, R.

"Surface mining." Biuletyn. p. 3. (Przeglad Gorniczy, Vol. 10, no. 3, Mar 54, Stalinogrod)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

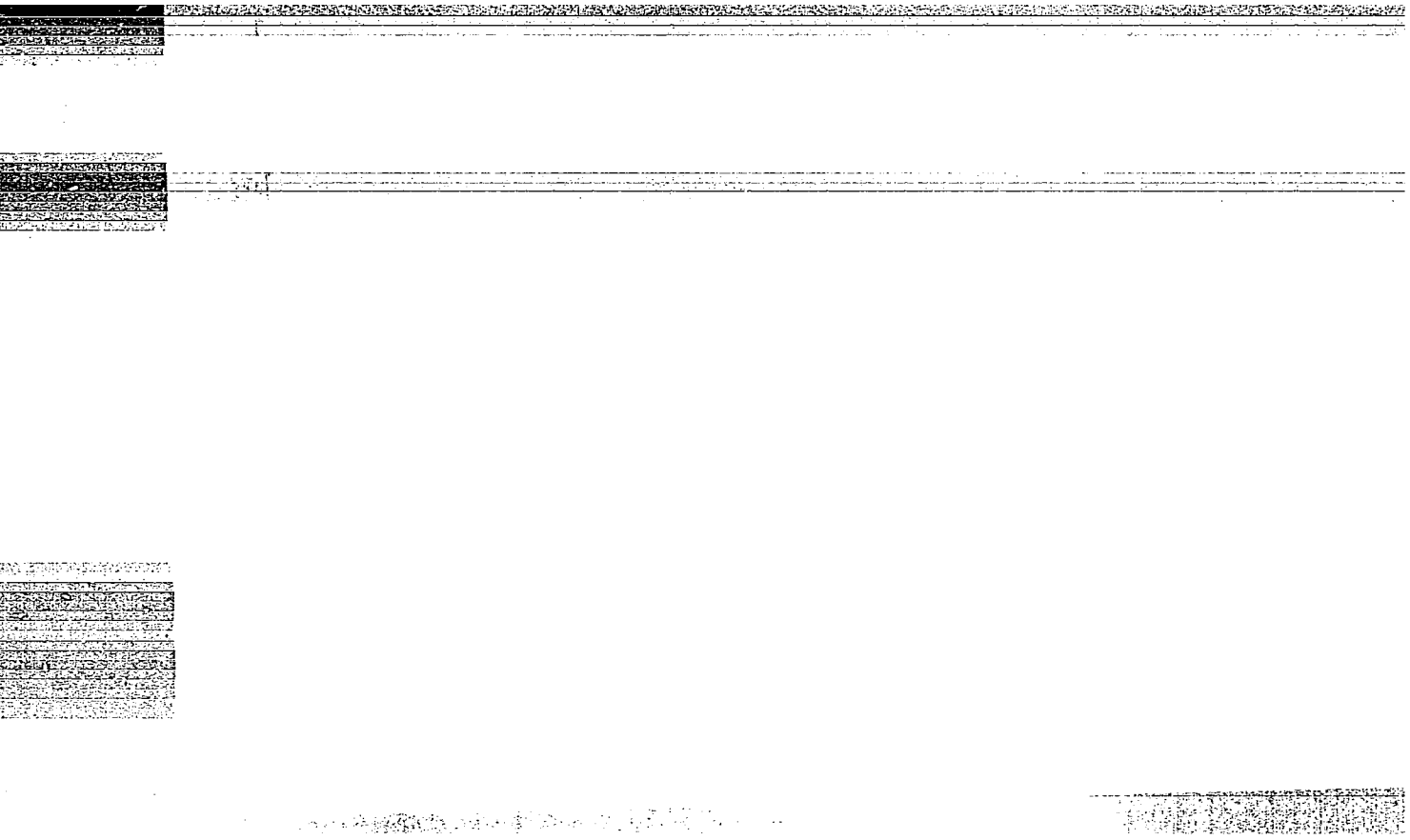
ADAMEK, R.

AGRICULTURE

Periodical VESTNIK. Vol. 5, no. 11, 1958.

ADAMEK, R. An outline of the organization of agricultural production for the Hnevanov branch of the Kaplice State Farm. p. 608.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.



ADAMEK, R.; SLAVIKOVA, J.

Laboratory investigations of the ability of intestinal microbes to survive in soil . p. 446.

CESKOSLOVENSKA HYGIENA. Praha, Czechoslovakia. Vol. 4, no. 8, Sept. 1959.

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

Uncl.

Adamek, R.

CHVAPIL, J.; ADAMEK, R.; SLAVIKOVA, J. CSSR
Technical work by KRUZIKOVA, H.

Hygiene and epidemiological station (Hygienicko-epidemiologicka stanice) UNZ-W, Prague

Prague, Ceskoslovenska hygiena, No 2, 1963, pp 78-88

"Study of Aeroplancton of the Air in the City of Prague"

(4)

ADAMEK, V.

More on calculating the price of coal. p. 66.
(Uhli, Vol. 7, no. 2, Feb. 1957, Praha, Czechoslovakia.)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957. Uncl.

ADAMEK, Vladimir, dr.

Standardization in packaging. Normalizace 11 no.5:144-147 My '63.

1. Oborove normalizacni stredisko Obaloveho ustavu, Praha.

ADAMEK, Vladimir, dr.

Conference of technicians on packaging standardization.
Normalizace 11 no.8:256-257 Ag '63.

1. Obalovy ustav, Praha.

ADAMEK, Vladimir, dr.

Enterprise standardization in the German Democratic Republic in the field of technical standardization of containers; its tasks, possibilities, and results. Normalizace 12 no.6:160-162 Je '64

Czechoslovak Standard 01 9912: Testing the mechanical resistance of wooden boxes for contents up to 50 kg of weight. Normalizace 12 no.6:163 Je '64

1. Branch Standardization Center of the Institute of Containers, Prague.

ADAMEK, Vladimir

The way how the unification of measurement progresses. Chem prum 14 no.9:493. S '64.

ADAMEK, Vladimir, dr.

Standardization trends in the field of packaging in the years of 1965 and 1966. Normalizace 13 no.2:46-49 F '65.

1. Branch Standardization Center of the Institute of Packaging, Prague.

L 61918-65 EWT(m)/EPF(c)/EWP(i)/EPF(n)-2/EWP(t)/EWP(b) Pr-4/Ps-4/

Adamek, Z.

Group of workers who think about their work. p. (4) of cover.

Vol. 5, no. 11, June 1955
MECHANISACE ZEMEDILSTVI

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

ADAMEK, Z.

"Experiences from harvesting with the SKEM-3 combine."

MECHANISACE ZEMEDELSTVI, Praha, Czechoslovakia, Vol. 5, No. 19, October 1955.

Monthly List of East European Accessions (E AI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

ADAMEK, Z.

"Evaluation of contracts in the Vyskov Machine-Tractor Stations."

MECHANISACE ZEMEDELSTVI, Praha, Czechoslovakia, Vol. 5, No. 21, November 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1955.

Unclassified.

ADAMEK, Z.

"The Znojmo Machine-Tractor Station fulfilled the plan of field work."

MECHANISACE ZEMEDELSTVI, Praha, Czechoslovakia, Vol. 5, No. 23, December 1955.

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

Unclassified.

ADAMEK, Z.

AGRICULTURE

Periodical MECHANISACE ZEMEDELSTVI. Vol. 5, no. 24, Dec. 1955.

ADAMEK, Z. Repair workers of the machine-tractor station in Bystrice nad Pernstejnem passed the test. p. of cover.

Monthly List of East European Accessions (EEAL) LC, Vol. 8, no. 3, March, 1959. Uncl.

ADAMEK, Z.

AGRICULTURE

Periodical MECHANISACE ZEMEDELSTVI. Vol. 5, no. 24, Dec. 1955.

ADAMEK, Z. Using the winter period for repairing the machinery and mounted equipment of the collective farms. p. 473.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

ADAMEK, Z.

The Horni Herspice machine-tractor station wins again the Red Flag. p.203.
MECHANISACE ZEMEDELSTVI. (Ministerstvo zemedelstvi) Praha.
Vol. 6, no. 11, June 1956

SOURCES: EEAL LC Vol. 5 No. 10, Oct. 1956

ADAMEK, Z.

Successful work of the Louka Center. p. (3) of cover.

MECHANISACE ZEMEDELSTVI. (Ministerstvo zemedelstvi) Praha.

Vol. 5, no. 14, July 1955

East European Accessions List Vol. 5 No. 1 Jan. 1956

ADAMEK, Z.

ADAMEK, Z. The Horni Herspice Machine-Tractor Station wins the red flag of the Government and the Revolutionary Trade Union Movement. p. 338.

Vol. 6, no. 18, Sept 1956
MACHANISACE ZEMEDELSTVI
AGRICULTURE
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

CZECHOSLOVAKIA/Cultivated Plants - Fruits. Berries. M.

Abs Jour : Ref Zhur - Biol., N: 10, 1958, 44315

Author : Adamek, Zdenek
Inst : -
Title : A New Experiment in Almond Cultivation.

Orig Pub : Ovocar. a zelinar., 1957, 5, No 8, 228-230.

Abstract : The first plantings of almond were carried out in Gustopechikh near Brno (Czechoslovakia) in 1949. The soil conditions of an almond orchard correspond to the typical conditions for vineyards. The slope protects the plantings from the northern wind. Individual almond trees are encountered in southern Moravia that reached the age of 80-100 years and which withstand well the freezing weather, and produce satisfactory crops. Experience has shown that the sweet almond tolerates frosts better than the bitter almond. Agricultural technique is suggested. The trunks are protected with metal

Card 1/2

CZECHOSLOVAKIA/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39192

Author : Adamek, Z.
Inst : -
Title : The Influence of Various Preceding Crops on the Yield of Winter Wheat.

Orig Pub : Za vysokou urodu. 1957, 5, No 17, 390-391.

Abstract : No abstract.

Card 1/1

ADAMEK, Z.

ADAMEK, Z. Some new prospects for the mechanization of agriculture. p. 5.

Vol. 7, no. 1, Jan. 1957
MECHANISACE ZEMEDELSTVI
AGRICULTURE
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

Adamek, Z.

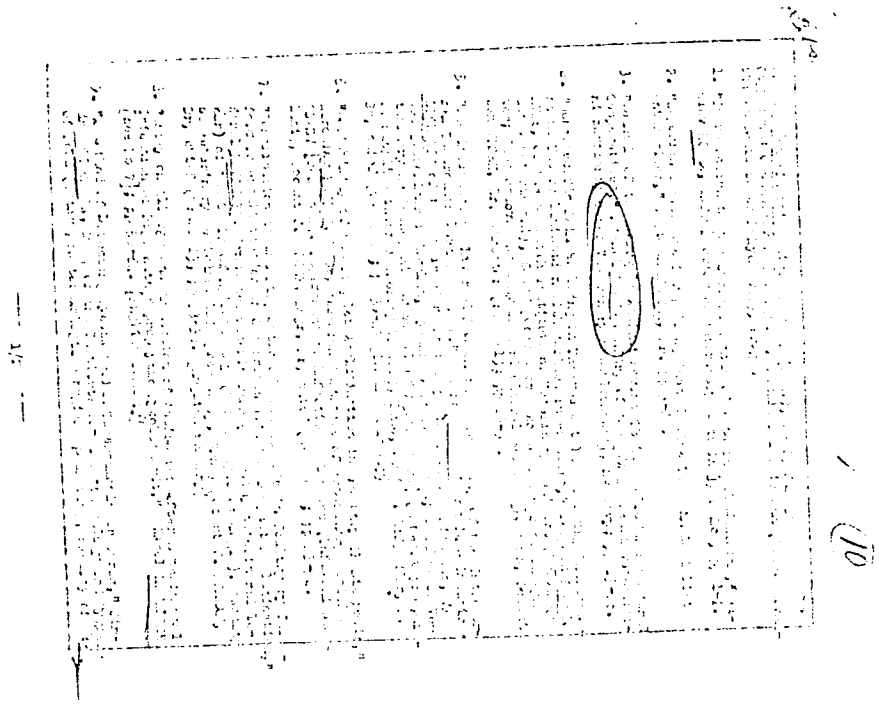
AGRICULTURE

Plant-protection centers help to increase output. p. 25

Vol. 9, no. 2, Feb. 1959

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 4, April 1959

ADAMEC, Z.



ADAMEK, Z.V.

Brno International Fair 1963, a school of technology.
Uhli 5 no.11:391-392 N '63.

PETRACEK, E.;ADAMEM, J.

Metabolism of blood proteins in pneumoconioses. Pracovni lek. 4 no.5: 313-330 Oct 1952. (CLML 23:4)

1. Of the Institute of Industrial Medicine (Head--Eugen Petracek, M.D.), Karlove Vary.

AID P - 4119

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 6/33

Authors : Postnikov, I. M., Doc. Tech. Sci., Prof., and A. I. Adamenko, Eng.

Title : Parameters of the equivalent circuit and exact circle diagram of a polyphase induction motor.

Periodical : Elektrichestvo, 12, 25-28, D 1955

Abstract : The authors build a circle diagram of an induction motor with constant characteristics using an equivalent circuit diagram. Methods usually applied for the establishment of the characteristics of the secondary circuit are often not accurate. The authors establish an accurate method to determine series impedance and present a simple method of building the circle diagram of the magnetizing current. The diameter of this circle is equal to the diameter of the primary current multiplied by the ratio of moduli of impedance of the

Elektrichestvo, 12, 25-28, D 1955 AID P - 4119

Card 2/2 Pub. 27 - 6/33

primary and the magnetizing circuits $\left(\frac{Z_1}{Z_\mu}\right)$. This ratio is a determinant for the selection of the method of making the circle diagram either approximate or exact (the last at high values of the ratio). Three diagrams, 3 Soviet references (1930-1949).

Institution : Institute of Electrical Engineering of the Academy of Sciences, Ukrainian SSR.

Submitted : Ap 26, 1955

ADAMENKO, A.I.

Designing nonsymmetrical two-phase asynchronous meters by the method of symmetrical components. Avtomatyka no.2:51-63 '56. (MLRA 9:10)

1. Institut yelektrotekhniki Akademii nauk URSR.
(Electric meters--Design and construction)

ADAMENKO, A.T.

Determining the direction of rotation and equivalent circuits for symmetrical components of induction motors. Sbor.trud.Inst.elektrotekh.AN URSR no.14:52-58 '56. (MLRA 9:12)
(Electric motors, Induction)

ADAMENKO, A.I.

Operation of an asynchronous motor during network unbalance caused by the insertion of resitance in one of its phases. Sbor.trud.Inst. elektrotekh. AN URSR no.14:59-74 '56. (MLRA 9:12)
(Electric motors, Induction)

ADAMENKO, A. I. Cand Tech Sci -- (diss) "Higher harmonics of M. D. S. [Road Machinery Station] in single-phase condenser motors." Kiev, 1957. 16 pp 20 cm. (Min of Higher Education USSR. Kiev Order of Lenin Polytechnic Inst), 100 copies (KL, 24-57, 117)

ADAMENKO A.I.

110-10-6/18

AUTHOR: Postnikov, I.M., Doctor of Technical Sciences and Adamenko, A.I., Engineer.

TITLE: Special Features of the Design of Single-phase Induction Motors. (Osobennosti proyektirovaniya odnofaznykh asinkhronnykh elektrodvigateley)

PERIODICAL: Vestnik Elektropromyshlennosti, 1957, Vol.28, No.10, pp. 28 - 35 (USSR)

ABSTRACT: The main types of single-phase induction motors are described. The simplest is a three-phase motor with one-phase disconnected. The starting characteristics of such a motor are poor and a starting winding is provided and supplied through a reactance. In order to improve the starting characteristics it is necessary to depart from the best phase zone for a single-phase winding. The power of the motor may be increased by using the starting windings during normal operation and supplying them through a capacitor of such a size that a circular rotating field is set up in the air gap. If the capacitor is of such a value that there is resonance between the capacitor and the auxiliary winding the starting torque can be high. When high starting torque is not required it is better to use a small capacitor. Different connections of capacitor that are considered include parallel and series-

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Special Features of the Design of Single-phase Induction Motors.

rotor current displacement can be used as single-phase capacitor motors. However, not all of the series A standard motors can be used in this way because of the stray torques that have a relatively large effect in single-phase capacitor motors. The influence of positive and negative phase sequence torques and the relation to the impedance of the different parts of the rotor winding during the starting period is then discussed and the characteristics of particular motors in the A series are given in Figs. 3, 4, 5 and 6.

The relationship between the number of teeth and the parasitic torques is discussed at some length. It will be seen from Figs. 3 - 8 that the mechanical characteristics are greatly affected by the higher harmonics as well as the third. Harmonics of the same order as those of the teeth are particularly important.

Theoretical investigations and test results showed that an important method of reducing parasitic torques is to shorten the winding pitch of the stator. However, to shorten the stator winding pitch by a third of a pole pitch cannot be justified even for single-phase capacitor motors operating with constant capacitance. It seems best to shorten the pitch by a fifth. Other methods that can be used to weaken parasitic torques are the use of materials of relatively poor conductivity for the

AUTHOR: Adamenko, A.I. SOV/21-58-2-17/28

TITLE: Equations of Unsymmetrical Three-Phase Asynchronous Motors (Uravneniya nesimmetrichnykh trëkhfaznykh asinkhronnykh mashin)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 2, pp 186-192 (USSR)

ABSTRACT: The method of symmetrical components in the developed form does not make it possible to take into consideration the higher harmonics of a field. However, after some papers of I.M. Kamen' [Ref 3,4] were published, the third space field harmonics have found a practical application for reducing the speed of the motors by three times. For unsymmetrical three-phase motors the method of symmetrical components has not as yet been used. The author proposes applying this method for taking into account higher harmonics and also to study unsymmetrical motors. He considers a motor with three windings with non-coincident axes. He examines the fundamental equations of unsymmetrical three-phase motors which make it possible to take into account

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the higher harmonics of the stator field and determines the substitution circuits for currents of zero, direct and reverse sequences. There are 4 circuit diagrams and 5 Soviet references.

ASSOCIATION: Institut elektrotekhniki AN UkrSSR (Institute of Electric Engineering of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, S.A. Lebedev

SUBMITTED: March 14, 1957

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration

POSTNIKOV, I.M., doktor tekhn.nauk; ADAMENKO, A.I., kand.tekhn.nauk

Operation of three-phase motors supplied by a single-phase 440 volt network. Mekh. i elek. sots. sel'khoz. 16 no.4:33-35 '58. (MIRA 11:10)

1. Institut elektrotekhniki AN USSR.
(Electric motors, Induction)

POSTNIKOV, I.M., doktor tekhn.nauk prof.; ADAMENKO, A.I., kand.tekhn.nauk

Reserves should be used more fully in the electrification of railroads with single-phase alternating current. Izv.vys. ucheb.zav.; energ. 2 no.8:1-3 Ag '59. (MIRA 13:2)

1. Institut elektrotekhniki AN USSR.
(Railroads--Electrification)

8(5) SOV/103-59-3-13/27

AUTHOR: Adamenko, A. I., Candidate of Technical Sciences

TITLE: Single-phase Condenser Motors With Doubly Shunted Stator Windings (Odnofaznyye kondensatornyye dvigateli s dvukratno shuntirovannymi obmotkami statora)

PERIODICAL: Elektrichestvo, 1959, Nr 3, pp 58 - 64 (USSR)

ABSTRACT: An important field for the application of single-phase motors is found in agriculture, where in lowvoltage supply grids a voltage of 440 v is widely used. Motors for such a voltage are, however, not produced by industry. In the papers cited by references 1 and 2 a possibility was shown of using 220/380 v three-phase motors in 440 v single-phase grids. In this arrangement the stator windings are connected in series, one or two phases being shunted by condensers. The power delivered by the motor must reach a maximum at a minimum power consumption of the condenser banks. From this point of view the principle of a single-phase motor with a doubly shunted stator winding is of interest. The phase shift reaches almost 120 degrees. If the winding B is shunted by condensers, a phase shift is achieved between the currents

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through the windings B and C. When these two windings are shunted by a capacity C_{BC}, a phase shift through the same angle as between the currents through the windings A and C can be guaranteed. The three phase-shifted currents pass through the windings spatially distributed through angles of 120 degrees, which arrangement results in a considerably increased power output of the single-phase condenser motor as compared to that of a single-phase motor with a condenser-shunted winding. It is shown that single-phase condenser motors with doubly shunted series stator windings exhibit a number of positive properties. The fundamental equations (5) and (8) - (10) are written down. They permit a determination of the phase voltages and of the phase currents. The starting process is investigated next. When the stator winding is doubly shunted there arises a possibility of completely eliminating the influence of the third spatial harmonic upon the torque. In a symmetric winding with three phases the zero-sequence currents may produce the third spatial harmonic. If the symmetric components of the zero-

sequence are zero, no descending branches will occur in the torque curve caused by the third harmonic. Equation (16) expressing the starting torque in the general case is derived, and the normal operation is investigated. It is shown that a series of capacity values can be found, which give nominal phase currents and the maximum possible long-term load, as has been shown by experiment. A determination of these capacities by analytical methods meets with great difficulties. It is shown, that the higher the power factor of the motor operated as a three-phase motor is, the smaller will be the power consumption of the condensers in a single-phase operation, and the higher will be the efficiency. The experiments and the curves (Fig 5) demonstrate, that with a $\cos\varphi = 0.6$ to 0.83 it is expedient to recur to the principle of double shunting. In case of $\cos\varphi > 0.83$ a single shunt proves to be better. The calculation of the operational and starting characteristics can be carried out according to well-known methods on the basis of equations (1) to (5) and (8) to (10). These formulae apply with any slip.

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Finally two automatic starting control circuits are investigated, one operating with the help of a voltage relay and the other with an electromagnetic a.c. differential relay. There are 8 figures, 2 tables and 3 Soviet references.

SUBMITTED: October 20, 1958

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ADAMENKO, Aleksey Ivanovich; POSTNIKOV, I.M., prof., doktor tekhn.nauk, otv. red.; REMENIK, T.K., red.izd-va; KADASHEVICH, O.A., tekhn.red.

[Single-phase capacitor motors] Odnofaznye kondensatornye dvigateli. Kiev, Izd-vo Akad.nauk USSR, 1960. 247 p. (MIRA 13:5)
(Electric motors, Induction)

ADAMENKO, A.I., kand.tekhn.nauk (Kiyev)

Relationship between reactive powers in single-phase capacitor motors with three-phase stator windings. Elektrichestvo no.6:61-67 Je '60. (MIRA 13:7)
(Electric motors)

ADAMENKO, A.I., kand.tekhn.nauk; YAKOVLEV, V.S., inzh.; BONDAR', A.N.; SARKISYAN, S.S., inzh.

Multistep phase converter for the track electric devices. Zhel. dor.transp. 42 no.2:74-75 F '60. (MIRA 13:5)

1. Nachal'nik Darnitskoy distantsii puti, Kiyev (for Bondar').
(Electric current converters)
(Railroads--Electric equipment)

ADAMENKO, Aleksey Ivanovich, kand.tekhn.nauk, starshiy nauchnyy sotrudnik; KIRICHEK, Grigoriy Mikhaylovich, starshiy inzhener

Experimental study of single-phase micromotors with series connected stator windings. Izv. vys. ucheb. zav.; elektromekh. 4 no.9:46-55 '61. (MIRA 14:9)

1. Laboratoriya elektricheskikh mashin i elektroprivoda Kiyevskogo instituta elektrotekhniki AN USSR (for Adamenko). Kiyevskiy institut elektrotekhniki AN USSR.
(Electric motors)

ADAMENKO, A.I., kand.tekhn.nauk

Types of single-phase motors for farm electrification. Mekh. i elek. sots. sel'khoz. 19 no.4:41-44 '61. (MIRA 14:11)

1. Institut elektrotekhniki AN USSR.
(Electric motors)
(Electricity in agriculture)

ADAMENKO, Aleksey Ivanovich; POSTNIKOV, I.M., doktor tekhn. nauk, otv. red.; REMENNIK, T.K., red. izd-va; MATVEYCHUK, A.A., tekhn. red.

[Asymmetrical asynchronous machines] Nesimmetrichnye asinkhronnye mashiny. Kiev, Izd-vo Akad. nauk Ukr.SSR, 1962. 211 p. (MIRA 15:9)

(Electric machinery) (Electric motors, Induction)

POSTNIKOV, I.M., doktor tekhn.nauk; ADAMENKO, A.I., kand.tekhn.nauk; KISLENKO, V.I.

Transformer-condenser phase converter. Energ. i elektrotekh. prom. no.1:34-43 '62. (MIRA 15:6)

1. Institut elektrotekhniki AN USSR.
(Phase converters)

ADAMENKO, A.I., kand.tekhn.nauk

Drive system of the auxiliary mechanisms of an a.c. locomotive. Energ.i elektrotekh.prom. no.4:48-54 O-D '62. (MIRA 16:2)

1. Institut elektrotekhniki AN UkrSSR.
(Electric locomotives)

S/105/62/000/011/001/002
E194/E135

AUTHOR: Adamenko, A.I., Candidate of Technical Sciences

TITLE: Single-phase capacitor fractional-horse-power motors with three-phase stator windings

PERIODICAL: Elektrichestvo, no.11, 1962, 54-61

TEXT: Current Soviet design practice for capacitor motors of fractional-horse-power (f.h.p.) outputs is reviewed. The Institute of Electrical Engineering of AS Ukr.SSR has studied standard three-phase f.h.p. motors type AOL (AOL) with single-phase supply, and this article discusses the design of the motors and capacitors particularly as they are affected by losses in the motor windings and choke when the single to three-phase conversion is by capacitor and choke. Particular attention is paid to starting conditions. A numerical worked example of design is included. The results obtained can be used to calculate the operating conditions of phase convertors. It is concluded that single-phase f.h.p. capacitor motors with three-phase windings give the same output as normal three-phase motors. The somewhat greater losses in the low power chokes have no appreciable influence on

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...greater than under normal