"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

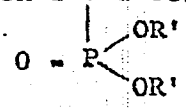
S/249/62/018/011/002/003
D403/D307

AUTHORS: Shostakovskiy, M.F. and Guseynov, I.I.

TITLE: Synthesis of full esters of 1-alkoxy-2-oxydichlorophosphine-3-chlorobutadienes-1,3

PERIODICAL: Akademiya nauk Azerbaydzhanskoy SSR. Doklady, v. 18, no. 11, 1962, 17-21

TEXT: The reactions of 1-alkoxy-2-oxydichlorophosphine-3-chlorobutadienes-1,3 with various primary alcohols were studied, in continuation of earlier work (ZhOKh, 1960, 30, 2836) obtaining 10 new compounds of general structure RCCH = C - CCl - CH_2, where



R and R' = Me, Et, Pr, Bu in various combinations. The reactions were carried out at 3-5°C, in the presence of pyridine, and 60-70% yields were achieved. The compounds were pale-yellow liquids which

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

Synthesis of full esters ... S/249/62/018/011/002/003
D403/D307

could be kept in sealed tubes under N_2, and dissolved readily in organic solvents. The physical constants are tabulated. There is 1 table.

ASSOCIATION: IOKh im. N.D. Zelinskogo AN SSSR (IOKh im. N.D. Zelinskiy of the AS USSR)

SUBMITTED: August 24, 1962

Card 2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, I.I.; VASIL'YEV, G.S.

Chemistry of some α-substituted 1,3-alkadienes.
Usp.khim. 32 no.1:40-59 Ja '63. (MIRA 16:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

(Butadiene)
(Substitution (Chemistry))

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

SHOSTAKOVSKIY, M.F.; GUSEYNOV, I.I.; VASIL'YEV, G.S.

Synthesis of saturated full esters of 1-alkylthio-2-hydroxydichlorophosphine-3-chloro-1,3-butadienes. Zhur. ob.khim. 32 no.2:375-377 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

(Esters)
(Butadiene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, I.I.; VASIL'YEV, G.S.; SHOSTAKOVSKIY, M.F.

Synthesis of allyl and propargyl full esters of 1-alkylthio-2-hydroxydichlorophosphine-3-chloro-1,3-butadienes. Zhur. ob.khim. 32 no.2:378-379 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

(Esters)
(Butadiene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

SHOSTAKOVSKIY, M.F.; GUSEYNOV, I.I.; VASIL'YEV, G.S.

Synthesis of tetraalkyldiamides of 1-alkylthio-2-hydroxydichlorophosphine-3-chloro-1,3-butadienes. Zhur.ob.khim. 32 no.2:380-381 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN USSR.
(Butadiene)
(Amides)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

SHOSTAKOVSKIY, M.F.; GUSEYNOV, I.I.

Synthesis of fully substituted saturated ethers of 1-alkoxy-2-hydroxychlorophosphine-3-chloro-1,3-butadienes. Dokl. AN Azerb. SSR 18 no.11:17-21 '62. (MIRA 17:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 46305-65 EWT(m)/T/EWA(m)-2

ACCESSION NR: AR5012220 UR/0058/65/000/003/B013/B013

SOURCE: Ref. zh. Fizika, Abs. 3B129

AUTHOR: Guseynov, I. I.

TITLE: Polarization effect in the scattering of Dirac particles in accordance with the damping theory

CITED SOURCE: Uch. zap. Azerb. un-t. Ser. fiz.-matem. n., no. 3, 1964, 97-101

TOPIC TAGS: Dirac particle, damping theory, particle scattering, polarization

TRANSLATION: Within the framework of damping theory, the authors investigate the polarization effects in the scattering by a short-range force center of a beam as a function of the polarization vector and the energy of the incident particles. The formula obtained for the polarization vector is applied to the particular form of scattering by a delta-function potential.

SUB CODE: NP ENCL: 00

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

BAGBANLY, I.L.; GUSEYNOV, I.K.

Volumetric quantitative determination of the trace quantities of bismuth in the form of reineckate. Izv.AN Azerb.SSR.Ser.Fiz-tekh. i khim.nauk. no.1:83-95 '58. (MIRA 12:3)
(Bismuth--Analysis) (Ammonium reineckate) (Titration)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, I. K., Candidate of Chem Sci (diss) -- "The quantitative determination of bismuth in terms of a complex compound of trivalent chromium". Baku, 1959, published by the Acad Sci Azerb SSR. 14 pp (Min Higher Educ USSR, Azerb Order of Labor Red Banner Industrial Inst im M. Azizbekov), 150 copies (KL, No 22, 1959, 109)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

BAGBANLY, I.L.; GUSEYNOV, I.K.

Iodometric determination of lithium. Azerb.khim.zhur. no.5:77-86 '60. (MIRA 14:8)

(Lithium--Analysis) (Iodometry)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

BAGBANLY, I.L.; GUSEYNOV, I.K.

Quantitative determination of thiourea by iodatometric titration. Dokl. AN Azerb. SSR 17 no.12:1143-1145 '61. (MIRA 15:2)

1. Institut khimii AN AzSSR. Predstavleno akademikom AN AzSSR M.F.Nagiyevym.

(Urea--Analysis) (Iodometry)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

BAGBANLY, I.L.; GUSEYNOV, I.K.; POSADOVSKAYA, A.K.

Study of the conditions for separating lithium from alkaline and alkaline earth metals by ion exchange chromatography. Azerb. khim.zhur. no.6:93-102 '63. (MIRA 17:3)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 22695-66 EWT(m)/ETC(f)/EWG(m)/EWP(t) IJP(c) DS/JD/RM

ACC NR: AP6006936 SOURCE CODE: UR/0316/65/000/006/0128/0133

AUTHOR: Bagbanly, I. L.; Guseynov, I. K.; Agayeva, L. A.

ORG: In-t neorgan. i fiz. Chemistry, AN AzerbSSR (In-t neorgan. i fiz, khimii AN AzerbSSR)

TITLE: Study of the conditions of sorption of gallium, aluminum, iron, titanium, and vanadium by means of ion exchange chromatography

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 6, 1965, 128-133

TOPIC TAGS: iron, aluminum, vanadium, gallium, titanium, ion exchange chromatography, lithium chloride

ABSTRACT: Sorption of gallium, iron, aluminum, titanium, and vanadium on an EDE-10p anion exchange resin with the use of reagents (hydrobromic and sulfuric acids, lithium chloride, potassium iodide, etc.) capable of forming negatively charged complex ions $[MCl_n]^{\nu-n}$ (where ν is the charge on the metal ion) was studied. A hydrochloric acid solution of LiCl, taken in concentrations of 0.5 to 10 M, was found to promote a complete sorption of the metals from a solution containing 0.05 mg Ga, 3.5

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 22695-66

ACC NR: AP6006936

mg Fe, 1.9 Mg V, 3.25 mg Ti, and 9.4 mg Al. At an LiCl concentration of 1 M, the gallium absorbability attains 100%, and that of iron, 92.86%; Ga and Fe can thus be separated from V, Ti, and Al. Fe, V, and Ti are sorbed completely when the concentration of LiCl is 8 M. In a 4.5 M solution of hydriodic acid, Ti is completely sorbed by the EDE-10p resin; Ga, Fe, V, and Al pass into the eluate, and are thus completely separated from Ti. Sulfuric and hydrobromic acid do not provide a complete separation of these elements on the EDE-10p resin because of the distribution of the ions between the solid and liquid phases. Orig. art. has: 4 figures, 4 tables, 4 formulas.

SUB CODE: 07/ SUBM DATE: 12Dec64/ ORIG REF: 002/ OTH REF: 004

Card 2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

COUNTRY : USSR
CATEGORY : Cultivated Plants. Industrial, Oleiferous, Sugar. M

ABS. JOUR. : RZhBiol., No.23 1958, No. 104754

AUTHOR : Guseynov, I. N.
INST. : Academy of Sciences, Uzbek SSR
TITLE : Sorting the Seeds of Cotton Plant of Different Varieties.

ORIG. PUB. : Ref. nauchno-issled. rabot po khlopkovodstvu. Tashkent, AN UzSSR, 1957, 46-50

ABSTRACT : Planting cotton with the best groups of seeds sorted according to specific weight and thickness coordinate, secures an increase in the yield of 5-9 centners/ha. The larger and the higher the specific weight of the groups of the sorted seeds being planted, the higher the specific weight of "heavy" seeds in their yield. Successive annual sorting changes the inherent qualities of a variety; it accelerates the stem growth, heightens the resistance to diseases, and improves the technological attributes of the fiber. Different varieties of cotton plant have a differ-

Card: 1/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

(Chepiding) Cotton

GUSEYNOV, I.A., Cand Agr Sci-- (diss) " Principles of ~~[illegible]~~ of seeds of various selection varieties." Kirovabad, 1958. 22 pp (Min of Agriculture USSR. Azerbaydzhan Agr Inst), 150 copies (KL (53-58, 117)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

DEDUSENKO, G.Ya.; YUZBASHEVA, Ye.G.; GUSEYNOV, I.S.

Use of sulfonol in drilling. Azerb. neft. khoz. 39 no.7:14-16 Jl '60. (MIRA 13:10)

(Oil well drilling) (Sulfonol)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

SHARUTIN, A.S.; VAVILOV, V.G.; GUSEYNOV, I.S.

Control of circulating fluid losses in wells of the Oil Field Administration of the Lenin Petroleum Trust. Trudy AzNII DN no.10:294-304 '60. (MIRA 14:4)
(Azerbaijan--Oil well drilling fluids)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, K.

Technological progress and industrial safety. Sov. profsoiuzy 19 no.24:4-7 D '63. (MIRA 17:1)

1. Sekretar' Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, K.A

USSR/Human and Animal Physiology - The Effect of Physical Factors. V-13

Abs Jour : Ref Zhur - Biol., No 2, 1958, 9194

Author : K.A. Guseynov
Inst : -
Title : The Effect of X-Rays on Restoration of Blood in Animals Following Massive Blood Loss.

Orig Pub : Azerb. tibb. zh., 1956, No 12, 20-23 (Azerbaijan), 69-72 (Russian).

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, K.A.

New equipment lightens the work of petroleum workers. Bezop. truda v prom. 3 no.11:15-17 N '59. (MIRA 13:3)

1. Predsedatel' Azerbaydzhanskogo soveta profsoyuzov.
(Oil fields--Technological innovations)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, Kamran

[Trade unions of Azerbaijan in the struggle to establish communism] Profsoiuzy Azerbaidzhana v bor'be za postroenie kommunizma. Baku, Azerbaidzhanskoe gos.izd-vo, 1960. 116 p. (MIRA 14:4)

(Azerbaijan--Trade unions)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, K.

Urgent tasks of trade-union organizations. Okhr.truda i sots. strakh. 6 no.1:1-3 Ja '63. (MIRA 16:1)

1. Sekretar' Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov.

(Industrial hygiene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, Kamran Asadovich; POPOV, A.S., red.; MALEK, Z.N., tekhn.red.

[Instruction and training of the trade union group in an enterprise] Obuchenie i vospitanie profaktiva na predpriiatii. Moskva, Izd-vo VTsSPS Profizdat, 1960. 77 p. (MIRA 14:4)

1. Predsedatel' Azerbaydzhanskogo respublikanskogo soveta profsoyuzov (for Guseynov).
(Trade unions)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, K.

In the republic of petroleum and chemistry. Sov. profsoiuzy 17 no. 2:27-32 Ja '61. (MIRA 14:2)

1. Predsedatel' Azerbaydzhanskogo respublikanskogo soveta profsoyuzov.
(Azerbaijan—Trade unions) (Azerbaijan—Socialist competition)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

BULGAKOV, Aleksandr Aleksandrovich; GUSEYNOV, Kampan Asadovich; SMIRNOV, Ivan Andreyevich; VARSHAVSKIY, A.S., red.; IGNAT'YEV, V.A., tekhn. red.

[With the Italian workers] U rabochikh Italii. Moskva, Izd-vo VTsSPS Profizdat, 1961. 135 p. (MIRA 15:2)
(Italy--Labor and laboring classes)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, R.E.; GUSEYNOV, M.Dzh.; GASANALIZADE, A.G.; GUSEYNOV, K.I. MELIKOV, G.O.; AVAKOVA, L.M.

Data on chromosphere flares observed at the astronomical station of the Astrophysics Sector Academy of Sciences of the Azerbaijan S.S.R. during the International Geophysical Year and International Geophysical Co-operation in 1959. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no.3:143-149 '60. (MIRA 13:11)

(Sun--Prominences)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, Kamran Asadovich; NAYDEL', Mark Isayyevich; KOPYLOVA, L.P., red.; DOROBOVA, N.D., tekhn. red.

[Trade unions of Soviet Azerbaijan; an outline of their history] Profsoiuzy Sovetskogo Azerbaidzhana; istoricheskii ocherk. Moskva, Profizdat, 1962. 310 p. (MIRA 16:5)
(Azerbaijan--Trade unions)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 20370-66 EWT(m)/EWP(j)/T/ETC(m)-6 WW/JW/RM

ACC NR: AP6006453 (A) SOURCE CODE: UR/0065/66/000/002/0054/0057

AUTHORS: Abas-zade, A. K.; Guseynov, K. D.

ORG: API im. V. I. Lenin, Baku

81
B

TITLE: Heat conductivity of saturated hydrocarbons at high temperatures and pressures

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 2, 1966, 54-57

TOPIC TAGS: heat conductivity, heat transfer, heat measurement, hydrocarbon, high temperature effect, pressure effect, nonane, decane, molecular weight

ABSTRACT: This investigation was carried out to study the molecular mechanism of heat transfer. The heat conductivity of liquid n-nonane, n-decane, n-undecane, and n-tridecane over the temperature and pressure interval of 15--225C and 1--400 atm respectively was determined. The experimental procedure followed here is described by M. P. Vukalovich and L. I. Cherneyeva (Teploenergetika, No. 9, 1963). A schematic of the experimental installation is presented. The experimental results are shown graphically (see Fig. 1). It was found that the heat conductivity grows with the increase in the molecular weight of the hydrocarbons, whereas

Card 1/2

UDC: 536.2.083:547.21

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 20370-66

ACC NR: AP6006453

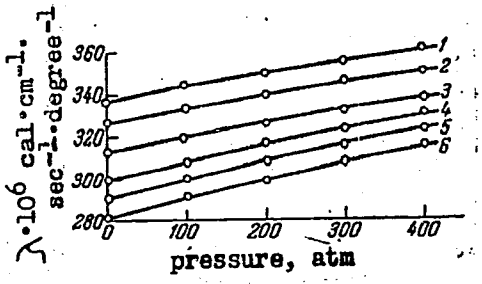

Fig. 1. Heat conductivity of n-undecane as a function of temperature and pressure. Temperature, C: 1 - 20; 2 - 41; 3 - 60; 4 - 81.2; 5 - 100.3; 6 - 122.

the temperature and pressure coefficients of heat conductivity decrease with increase in the molecular weight of the hydrocarbons. It is concluded that the experimental results support the heat conductivity law for hydrocarbons, derived by A. S. Predvoditelev (ZhFKh, t. 22, vyp. 3, 1948; Sbornik, posvyashchennyy pamyati akadem. P. P. Lazareva, 1956, str. 84 - 112). Orig. art. has: 8 graphs.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 010/ OTH REF: 001

Card 2/2 vmb

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

S/035/61/000/010/015/034
A001/A101

3,1540

AUTHORS: Guseynov, R.E., Gasanalizade, A.G., Melikov, G.O., Guseynov, K.I.

TITLE: The chromospheric flare of June 1, 1960

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 10, 1961, 56, abstract 10A406 ("Solnechnyye dannyye", 1960, no. 7, 74 - 77)

TEXT: The authors describe the specific features in development of the flare, intensity 3, which was observed over the active group of sunspots. They present the curves of variations of brightness and areas of 4 brightest knots of the flare.

[Abstracter's note: Complete translation]

VB

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

S/035/62/000/008/027/090
A001/A101

AUTHORS: Guseynov, R. E., Avakova, L. M., Guseynov, K. I.

TITLE: The chromospheric flare of October 29, 1960

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 63, abstract 8A414 ("Solnechnyye dannyye", 1961, no. 5, 59 - 62)

TEXT: A characteristic feature of the flare observed at the Shemakha Observatory with a АФР-2 (AFR-2) telescope is the presence of several centers emerged in the region of a bright flocullus. The authors plotted the curves of brightness development and area of three main knots of the flare, as well as the brightest detail of the flocullus. Variations of brightness and knot area are noted to have a pulsation nature. The maximum brightness sets in after two comparatively low maxima. The rate of brightness increase is the highest near the first maximum. This characterizes also the variation of the knot area. Area maxima lag behind brightness maxima during the first extrema. Last maxima of brightness and area coincide in phase. Flare data are confronted with several unusual phenomena observed in the radio band. E. Gurtovenko

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 65049-65 EWT(1)/EWT(m)/EWP(t)/EWP(b)/EWA(h) IJP(c) JD/GW

ACCESSION NR: AP5013434 UR/0233/65/000/001/0080/0088

34
B

AUTHOR: Kasimzade, M. S.; Guseynov, Kh. F.
44,55

TITLE: Concerning the use of an electrokinetic converter as a seismic pressure receiver
12,44,55

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk, no. 1, 1965, 80-88

TOPIC TAGS: pressure transducer, acoustoelectric transducer, seismic prospecting

ABSTRACT: After pointing out the shortcomings of barium titanate seismic receivers for underwater prospecting, connected essentially with the difficulty of matching the high impedance seismic receiver with the lower impedance amplifier, the article describes a new type of electrokinetic receiver aimed especially at prospecting for oil under the bottom of the sea. Two types of such receivers are illustrated in Fig. 1 of the Enclosure. In all cases the receiver operation is based on flow of liquid through a porous partition. The flow can either be continuous or alternating. Various considerations governing the choice of partition material, the porosity, the operating frequency, and other receiver parameters are discussed in light of the available experimental data. The advantages claimed for electrokinetic converters are reversibility, applicability to the measurement of various nonelectric

Card 1/3

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ACCESSION NR: AP5013434

quantities, fairly low output impedance, wide frequency range, high sensitivity, ability to operate over a wide temperature range, and linearity over a wide range of the input quantity. A shortcoming is a relatively high hydraulic resistance. Some of the problems still to be solved in connection with the successful application of such receivers are listed. Orig. art. has: 3 figures and 2 formulas.

ASSOCIATION: none

SUBMITTED: 27May64 ENCL: 01 SUB CODE: GP,ES

NR REF SOV: 012 OTHER: 005

Card 2/3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 65049-65

ACCESSION NR: AP5013434

ENCLOSURE: 01

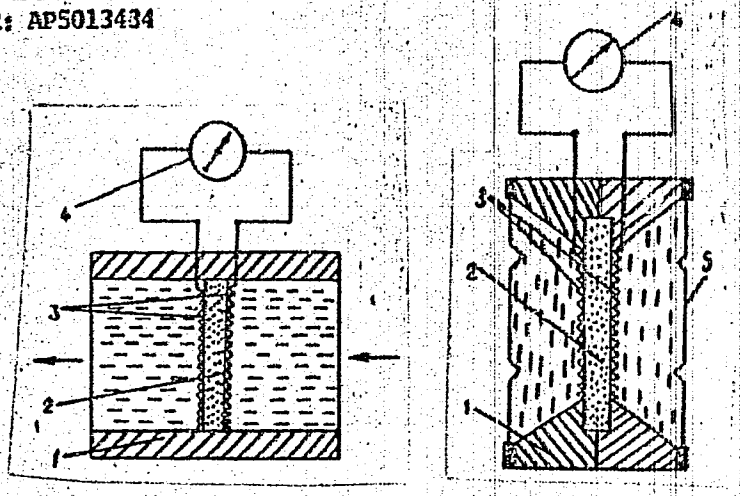

Fig. 1. Pressure transducers with constant (left) and variable (right) flow.
1 - Case, 2 - partition, 3 - electrodes, 4 - measuring instrument, 5 - membrane.

dm

Card 3/3

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L 21007-66 EWT(1)/EWT(m)/EWP(e) WH

ACCESSION NR: AP5020181 UR/0233/65/000/002/0097/0104

AUTHOR: Kasimzade, M. S.; Khalilov, R. F.; Guseynov, Kh. F.

TITLE: On the investigation of electrokinetic converters at low and infralow frequencies

SOURCE: AN AzerbSSR. Isvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk, no. 2, 1965, 97-104

TOPIC TAGS: acoustic measurement, pressure measurement, electric measurement, electromechanic converter, electroacoustics

ABSTRACT: The article deals with an experimental setup for the investigation of electrokinetic converters at low and infralow frequencies and relatively low pressures. The apparatus was developed at Energeticheskiy institut Azerbaydzhanskoy SSR (Power Engineering Institute, Azerbaydzhan SSR). Its operation is based on a comparison of the tested converter with a standard calibrated pressure receiver, in this case a barium-titanate piezoceramic converter. The apparatus is capable of producing pressures up to 1200 bar at frequencies of 0.1—100 cps. The operation of the equipment and the test procedure are described. Some practical operating hints aimed at improving accuracy are also mentioned. The piezoelectric receiver was found to be linear up to about 38 v, beyond which the pressure wave-

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L 21007-66

ACCESSION NR: AP5020181

form became distorted. Plots of the frequency dependence of the pressure in the chamber with and without the measured converter are presented, as well as the dependence of the pressure on the applied voltage. It is stated in the conclusion that the apparatus can be used not only for electrokinetic but also for other measuring converters with sufficient acoustic rigidity. Orig. art. has: 5 figures. [02]

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: EC

NO REF SOV.: 006 OTHER: 000 ATD PRESS: 4084

Card 2/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 27686-66 EWA(h)/EWT(1) GW

ACC NR: AP6005614 SOURCE CODE: UR/0233/65/000/003/0116/0122

AUTHOR: Kasimzade, M. S.; Guseynov, Kh. F.

ORG: none

TITLE: Frequency characteristics of an electrokinetic seismic pressure receiver

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk, no. 3, 1965, 116-122

TOPIC TAGS: seismic prospecting, pressure transducer, frequency characteristic

ABSTRACT: The principle of operation and essential parts of an electrokinetic transducer suitable for functioning as a pressure receiver in seismic prospecting for petroleum in the sea were described in an earlier authors' article (Izv. AN AzerbSSR, Series of phys., math., and techn. sciences, no. 1, 1965). The present article reports the results of an investigation of the transducer operation at variable pressures and of its characteristics. A formula developed for the alternating flow potential shows that this potential depends not only on the physico-chemical properties

Card 1/2

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L 27686-66

ACC NR: AP6005614

of the porous-diaphragm-liquid system but also on the frequency and amplitude of applied pressure, and on hydrodynamic and mechanical parameters of the transducer. Also, formulas for the transducer output voltage and its frequency-dependent sensitivity at low and infralow frequencies are developed. An experimental microvolt-per-bar vs. frequency (0—3 cps) curve corroborates the theoretical results. The new transducer is recommended for 1-f (3—40 cps) seismic prospecting, particularly with depth seismic probing. Orig. art. has: 4 figures and 17 formulas.

SUB CODE: 09 / SUBM DATE: 20Oct64 / ORIG REF: 004

Card 2/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

ACC NR: AP7006036 SOURCE CODE: UR/0410/66/000/004/0019/0027

AUTHOR: Guseynov, Kh. F. (Baku); Kasim-Zade, M. S. (Baku)

"Transient Processes in Electrokinetic Seismo Receivers"

Novosibirsk, Avtometriya (Automatic Measurements), No 4, 1966, pp 19-27.

Abstract: The article analyzes transients which occur in seismic instruments. In particular, the electrokinetic type of instrument is considered where pressure waves are converted into voltage. An equation for such transient voltage as function of time and as function of frequency is derived. After the characteristic parameters have been established for various types of input functions, it is shown that the transient time is very short; the transient in an electro-kinetic seismo receiver is aperiodic and its attenuation is determined basically by the mechanical time constant. When $\omega\tau \gg 1$, the input signal is transmitted through the instrument without distortion. In fact, the transient time here is by approximately two orders of magnitude smaller than in a piezo-(barium titanate) type seismo receiver and, therefore, has a much higher resolving power than the latter. Orig. art. has: 1 figure, 32 formulas, and 1 table. [JPRS: 39,548]

ORG: none

TOPIC TAGS: seismography, geophysic instrument

SUB CODE: 08 / SUBM DATE: 04Nov65 / ORIG REF: 004

Card 1/1 UDC: 621.253.17

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, KH. S., ULYANOVA, N. D., ROZENBERG, G. YA., RUTBERG, R. A., and RUDNITSKAYA, M. Z. (USSR)

"A Method for the Isolation of Protein Preparations from Donor Blood."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, A.M., kand. sel'skokhoz. nauk; GUSEYNOV, L.A.

Accretion of the trunks of the oak Quercus castaneifolia C.A.M. Agrobiologiia no.2:294-296 Mr-Ap '65. (MIRA 18:11)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut lesnogo khozyaystva i agrolesomelioratsii, g. Barda.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

BODRYY, M.; GUSEYNOV, M.; AGRETKIN, S.N., red.; ATADZHANOV, A., red.; BIRA, Ya.I., red.; GEL'DYYEV, A., red.; GOLOVKIN, A.V., red ; MAMEDKULIYEV, A., red.; MATALOV, Ch., red.; KHALMURADOV, B., red.

Sovet Turkmenistany. Soviet Turkmenistan. Ashkhabad, Turkmenskoe izd-vo, 1964. 103 p. [In Turkmen, Russian, English, and Arabic] (MIRA 18:4)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, S.B.; GUSEYNOV, M.A.; DADASHEV, B.B.

Effect of axial tension on the stability of outer casings in comparison with warping caused by external hydrostatic pressure. Azerb.neft.khoz. 35 no.3:24-26 Mr '56. (MLRA 9:10)

(Oil well drilling) (Petroleum engineering)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

ALLAKHVERDIYEVA, V.A., inzhener; BABALYAN, N.A., inzhener; GUSEYNOV, M.A., inzhener; GOSEYNOV, S.B., inzhener; DADSHEV, B.B., kand.tekhn.nauk; KORNEV, T.N., kand.tekhn.nauk; LUKOD'YANOV, I.B., inzhener; MAMED'YAROVA, Z.D., inzhener; PIVOVAROV, I.F., inzhener; SAROYAN, A.Ye., inzhener; SHNEYDEROV, M.R., kand.tekhn.nauk; SHVARTSMAN, L.A., kand. tekhn.nauk; ERLIKH, G.M., inzhener; AL'TMAN, T.B., red.izdatel'stva.

[Reference manual on pipes used in petroleum engineering] Spravochnik po neftepromyslovym trubam. Baku, Azerbaidzhanskoe gos.izd-vo neft. i nauchno-tekhn.lit-ry, 1957. 446 p. (MIRA 10:12)
(Pipe)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M.A.; DADASHEV, B.B.

Effect of perforations on casing strength. Azerb.neft.khoz. 36 no.3:17-18 Mr '57. (MLRA 10:5)
(Oil wells--Equipment and supplies)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

DADASHEV, B.B. [deceased]; GUSEYNOV, S.B.; GUSEYNOV, M.A.

Experimental testing of the effect of corrugations on the collapse resistance of casings to external hydrostatic pressure. Azerb.neft. khoz. 36 no.7:46-47 Jl '57. (MIRA 10:10)
(Oil wells--Equipment and supplies--Testing)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

PIVOVAROV, I.F.; GUSEYNOV, M.A.

Improving the technology and equipment for straightening pipes and drill-pipe parts. Mash. i neft. obor. no.9:15-20 '63. (MIRA 17:2)

1. Azerbaydzhanskiy truboprokatnyy zavod im. Lenina i Azerbaydzhanskiy nauchno-issledovatel'skiy institut po bureniyu neftyanykh i gazovykh skvazhin.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M.A.; ROZENBLIT, I.I.; SHNEYDEROV, M.R.

Concerning the metal of casing strings subject to perforation. Mash. i neft. obor. no.5:5-8 '64. (MIRA 17:6)

1. AzNIIburneft'.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M.A.; ERLIKH, G.M.

Filter for FB drilling strings. Mash. i neft.obor. no.11: 10-12 '64. (MIRA 19:1)

1. AzNIIburneft'.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M.B.

Doing it themselves. Avtom., telem. i sviaz' 4 no.7:41 Jl '60. (MIRA 13:7)

1. Starshiy elektromekhanik Adzhi-Kabul'skoy distantsii signalizatsii i svyazi Azerbaydzhanskoy dorogi.
(Railroads--Employees)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, R.E.; GUSEYNOV, M.Dzh.; GASANALIZADE, A.G.; GUSEYNOV, K.I. MELIKOV, G.O.; AVAKOVA, L.M.

Data on chromosphere flares observed at the astronomical station of the Astrophysics Sector Academy of Sciences of the Azerbaijan S.S.R. during the International Geophysical Year and International Geophysical Co-operation in 1959. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekh. nauk no.3:143-149 '60. (MIRA 13:11)

(Sun--Prominences)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M. G.

Guseinov, M. G. On a boundary problem for certain differential and integro-differential equations. Azerbaĭdžan. Gos. Univ. Trudy. Ser. Fiz.-Mat. 4 (1954), 61–73. (Russian. Azerbaijani summary)

The equations considered are

$$\Delta^2 U = f(x, y, z, U, \Delta U)$$

and

$$\Delta^2 U = f(x, y, z, U, W_1, W_2, \cdots, W_n),$$

where $W_i(P) = \int_{|Q|=r} K_i(P, Q; U(Q))d\tau$, $P = P(x, y, z)$, $Q = Q(\xi, \eta, \zeta)$, $|Q| = (\xi^2 + \eta^2 + \zeta^2)^{\frac{1}{2}}$; the boundary conditions are $U(P) = \partial U(P)/\partial n = 0$ for $|P| = r$. These problems are transformed into equivalent integral equations and systems of integral equations by the aid of the known Green's function for this case. Under various hypotheses concerning $f(P, u, u_1)$, $f(P, u, u_1, u_2, \cdots, u_n)$, $K_i(P, Q, u)$, of which the crucial one is that these functions be Lipschitzian as to the u's, the author proves with the aid of Schauder's fixed-point theorem that these equations have a unique solution for sufficiently small r. There are many distracting misprints in this paper, e.g., "f'" for "f" in (6) and many following equations; "$\partial f/\partial t$" for "$\partial f/\partial v$" in the equation preceding (18).

M. Golomb.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M. G.

Guseynov, M. G.: "Ruptures of the spleen based on the findings of the Bakin military hospital," (Report), Trudy III Zakavkazsk. s"yezda khirurgov, Yerevan, 1948 (on cover: 1949), p. 307-312

SO: U-5240, 17 Dec. 53, (Letopis 'zhurnal 'nykh Statey, No. 25, 1949).

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M. G.

GUSEYNOV, M. G. "Treating endarteritis obliterans with therapeutic mastic combined with the operation of alcoholization of the fremoral artery after V. I. Razumovskiy, and lumbar novocaine blockade after A. V. Vishnevskiy". Baku, 1955. Azerbadyzhan State Medical Inst. (Dissertation for the Degree of Candidate of Medical Sciences).

SO: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MEKHTIYEV, S.D.; GUSEYNOV, M.G.

Converting xylenes into phthalic acid dinitriles. Dokl. AN Azerb. SSR 16 no.7:655-658 '60. (MIRA 13:9)
(Nitriles) (Xylene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MEKHTIYEV, S.D.; GUSEYNOV, M.G.

Production of aromatic nitriles from methyl-subsituted benzenes.
Azerb. neft. khoz. 40 no.4:35-36 Ap '61. (MIRA 15:7)
(Nitriles) (Benzene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

DZHAVADOV, Ismail Ali ogly; SADYKHOV, Ibad Sadykh ogly; GUSEYNOV, Mamed Gasan ogly; KUZNETSOV, Z.A., inzh.

Best foreman of the Azerbaijan Railroad. Put' i put.khoz. no.10:26-27 O '59. (MIRA 13:2)

1. Nachal'nik Kirovobadskoy distantsii Azerbaydzhanskoy dorogi (for Dzhavadov). 2. Sekretar' partorganizatsii Kirovobadskoy distantsii Azerbaydzhanskoy dorogi(for Sadykhov). 3. Predsedatel' mestkoma Kirovobadskoy distantsii Azerbaydzhanskoy dorogi (for Guseynov). 4. Kirovobadskaya distanskoy dorogi (for Kuznetsov).
(Azerbaijan--Railroads--Employees)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEINOV, M. I., Veterinarian

Veterinarian of the sovkhoz "Durovo", Vysokinichi raion, Kaluzha oblast,

"Pure turpentine in strangles."

SO: Veterinariia 24(1), 1947, p. 40.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

PALIYCHUK, A.S., inzh.; CHABAN, O.I., inzh.; SHVETS, V.N., inzh.; GUSEYNOV, M.Kh., inzh.; SLUCHISHKIN, M.Ya., inzh.; BOBKOV, V.S., inzh.; KURTSEV, P.A., inzh.

Starting a 150 Mw boiler after installation. Teploenergetika 8 no.7:8-12 Jl '61. (MIRA 14:9)

1. Yuzhnoye otdeleniya Gosudarstvennogo trosta po organizatsii i ratsionalizatsii elektrostantsiy i Gosudarstvennaya rayonnaya elektricheskaya stantsiya "Severnaya".
(Boilers)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

LOBANCHENKO, N.G., inzh.; GUSEYNOV, M.Kh., inzh.; FRUMEN, B.V., inzh.

Experience in constructing and operating an open electric power plant. Elek.sta. 32 no.8:14-19 Ag '61. (MIRA 14:10)
(Electric power plants)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

CHABAN, O.I., inzh.; VIZIR, B.S., inzh.; SLUCHISHKIN, M.Ya., inzh.; GUSEYNOV, M.Kh., inzh.

Special operating features of the steam and water circuit of the TGM-94 boiler. Teploenergetika 10 no.6:21-25 Je '63. (MIRA 16:7)

1. Yuzhnoye otdeleniye Gosudarstvennogo tresta po organizatsii i ratsionalizatsii rayonnykh elektrostantsiy i setey i Gosudarstvennaya rayonnaya elektrostantsiya "Severnaya". (Boilers)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

ACCESSION NR: AP5002646 S/0096/64/000/010/0024/0030

AUTHOR: Chaban, O.I.(Engineer); Dmitriyev, V. Ye.(Engineer); Futorskiy, B. M. (Engineer); Guseynov, M. Kh. (Engineer); Bobkov, V. S.(Engineer)

TITLE: A study of the 150 megawatt block under variable and constant steam pressures

SOURCE: Teploenergetika, no. 10, 1964, 24-30

TOPIC TAGS: steam turbine, steam boiler, steam auxiliary equipment / TGM-94 boiler, K-160-130 turbine

Abstract: The article compares the operation of a boiler-turbine block for the case of conventional control by the turbine valves and for the case of control by varying steam pressure. On the basis of numerous diagrams the authors discuss the resistance to flow in the steam ducts, the steam temperatures, the steam consumption, and the efficiency of the TGM-94 boiler and K-160-130 turbine operating as a 150-Mwatt block. The constant pressure operation is always advantageous at loads above 125 Mwatt, while the variable pressure operation is more economical at loads below 85 Mwatt.

Card 1/2

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

ACCESSION NR: AP5002646

The steam condensers used in variable pressure operation must have a 40% larger capacity than in the case of constant pressure operation. Further studies should be conducted with other units placing special emphasis on below 90-Mwatt operation. Orig. art. has 11 formulas, 7 graphs

ASSOCIATION: Yuzhnoye otdeleniye ORGRES (South Division of the ORGRES); GRES "Severnaya"

SUBMITTED: 00 ENCL: 00 SUB CODE: PR, IE

NO REF SOV: 002 OTHER: 000 JPRS

Card 2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M.M.

Some data on the rooting of rose cuttings in Apsheron [in Azerbaijani with summary in Russian]. Dokl.AN Azerb.SSR 12 no.1:49-52 '56. (Apsheron Peninsula--Roses) (MLRA 9:7)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

USSR/Cultivated Plants. Decorative Plants. M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68421

Author : Guseynov, M. M.
Inst : Botanical Institute AS Azer SSR.
Title : Hybrid Hibiscus, a New Crop for Apsheron Conditions.

Orig Pub : Tr. In-ta botan. AN AzerSSR, 1957, 20, 173-189

Abstract : The results of experiments are presented which were carried out at the Botanical Garden of the Azer SSR Academy of Sciences with 16 strains of hybrid hibiscus of the Malvaceae family. The tested strains were acquired in 1954-1955 from the Tashkent Botanical Garden. These strains are described in detail in the form of tables as they exist

Card : 1/3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

USSR/Cultivated Plants. Decorative Plants. M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68414

riod between 1948 and 1955, this work of rose selection ceased. In 1955, the author of the article resumed it. The fundamental rose strains originating from various climatic regions of Germany, France, and Holland which may be used for crossbreeding with domestic varieties, are described. Musk roses are used in order to develop varieties which have a prolonged flowering time during the dry summer periods. In 1956, the Botanical Garden acquired from the East German Society for Cultural Relations with Foreign Countries, 160 of the newest West European varieties, 68 hybrid tea-rose strains, 38 polyantha, polyantha hybrid, and floribunda varieties, 9

Card : 2/3

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEINOV, M.M.

First stone age materials found in the Shorsu Valley [in Azerbaijani, with summary in Russian] Dokl. AN Azerb. SSR 11 no.1: 55-69 '55. (MLRA 8:10)

1. Muzey istorii Akademii nauk Azerbaydzhanskoy SSR.
(Azerbaijan--Stone age)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M.M.

Stone axes from Nakhichevan [in Azerbaijani with summary in Russian]. Dokl.AN Azerb.SSR 12 no.2:135-145 '56. (MLRA 9:8)
(Nakhichevan--Axes)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYN-ZADE, S.Kh., kandidat tekhnicheskikh nauk; KOREYSHO, Ye.G., redaktor; MUSHTAKOVA, L.P., redaktor; DANILOVA, I.P., tekhnicheskiy redaktor.

[Operation of floating pumping stations] Ekspluatatsiia plovuchikh nasosnykh stantsii. Moskva, Gos.izd-vo selkhoz. lit-ry, 1955. 52 p.
(Pumping stations) (MLRA 8:11)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MUSEIBOV, M.A.; GUSEYNOV, M.M.

Azykh cave. Uch. zap. AGU. Ser. geol. geog. nauk no.1:69-73 '61. (MIRA 16:8)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSEYNOV, M.

GUSEYNOV, M.

Catalytic bromination of propane. Yu. G. Mamedaliev and M. Guseinov. *Doklady Akad. Nauk S.S.S.R.* 109, 781-4(1956).—Passage of propane and Br over an undescribed catalyst, best at 300-400°, yields 100% conversion of Br; best yields of C_3H_7Br are obtained at 300° with 1:0.5 RH:Br when 45.8% 1-PrBr, 37.8% 1,2- and 9,2-dibromopropane mixt., and 16.4% polybromides are formed. Elevation of temp. favors polyhalogenation. Among the dibromo derivs. the amt. of 2,2-dibromopropane is twice that of 1,2-isomer. G. M. Kosolapoff

Acad., AS Azerb SSR (Mamedaliyev)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; GUSEYNOV, M.M.

Catalytic bromination of ethane. Uch. zap. AGU no.2:57-66 '57.
(Bromination) (Ethanes) (MIRA 11:1)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

5(3)

AUTHORS: Mamedaliyev, Yu. G., Member, Academy of Sciences, AzerbSSR, Guseynov, ~~M. M.,~~ Mekhtiyeva, F. A.

SOV/20-122-5-19/56

TITLE: The Production of Carbon Tetrachloride by Chlorination of Methane in a Boiling Catalyst Layer (Polucheniye chetyrekhkhloristogo ugleroda khlorirovaniyem metana v kipyashchem sloye katalizatora)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 5, pp 817-820 (USSR)

ABSTRACT: Carbon tetrachloride is being used as solvent of oils, resins, paraffins and other organic substances; furthermore it serves as a coolant (Freon), forms a component of several fire extinguishers and serves as the basic material for the enanthic synthesis. The method of carbon tetrachloride production employed at present is complicated and involves the danger of explosions. As early as 1936 the first author developed a method of production and tested it under semi-industrial conditions (Refs 2, 3). It consists of a catalytic chlorination of methane in the presence of CO_2, which prevents explosions and serves as a rarifier. Chlorination is performed in the same

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way in plants described in publications (Refs 4, 5), leading to the formation of all products of chlorine substitution of methane; also a gradual chlorination is possible. The experiments of several authors resulted in a reaction in the presence of a stationary catalyst layer; strictly speaking, the processes cannot be considered to be catalytic ones. Because of the highly exothermal character of the reaction, the process cannot be observed in its entire course. While the rarification with neutral gases removes the danger of explosions, it creates additional problems. These short-comings are met by halogenation in a boiling layer of the finely dispersed catalyst. The authors have tested the production of carbon tetrachloride by chlorination of natural gas in a wide scope of parameters of the process. Gas from Duvanny (Azerbaydzhanskaya SSR), containing 97-98 % methane, was chlorinated with pumice, which showed the highest activity among all catalysts tested. In figure 1 the equipment used is shown, which is described in connection with the production method. As can be seen in table 1, chlorine completely enters into reaction within 5 seconds at 380 - 400° and in case of a ratio of

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The Production of Carbon Tetrachloride by Chlorination of Methane in a Boiling Catalyst Layer

SOV/20-122-5-19/56

$Cl_2 : CH_4 = 4 : 1$. Up to 90 % of carbon tetrachloride are created in this process. The rest (5-10%) mainly contains ethylene tetrachloride and ethane hexachloride. Also other alkanes can be chlorinated with a high yield by means of this method. There are 1 figure, 1 table, and 6 references, 4 of which are Soviet.

SUBMITTED: June 18, 1958

Card 3/3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

GUSTYNOV, M. M., [illegible]EDALIYEV, Y. G.

"Halogenation of Low Molecular Alkanes in a Fluid Bed of a Catalyst."

Report submitted at the Fifth World Petroleum Congress, 30 May - 5 June 1959. New York.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

Gusey Nov, M.M.

USSR

BALANDIN, Aleksey A. - "On the theory of contact catalysis of hydrogenation and dehydrogenation reactions" (Section I)

BORESKOV, Georgiy K., and VASILEVICH, A. A. - "Mechanism of isotope exchange of hydrogen on platinum" (Section I)

EYDUS, T. (probably Yakov T. EYDUS) - "On the role of intermediate surface forms in some heterogeneous-catalytic reactions of carbon monoxide and olefines" (Section I)

FREYDLIN, Lev Kh, and GORCHEOV, V. I. - "Catalytic transformation of cyclohexene and copper and the multiplet theory" (Section II)

MAMEDALIYEV, Yusuf G., and GUSEYNOV, M. M. - "Chlorocarbons manufacture by chlorination of alkanes in the fluid bed of a catalyst" (Section III)

NIKOLAYEV, L. A. - "Specific aspects of the mechanism of catalysis by complex compounds" (Section II)

PECHERSKAYA, Yu. I., KAZANSKIY, V., and VOYEVODSKIY, V.V. - "Investigation of heterogeneous catalysts by electron spin resonance" (Section II)

PETROV, A. D. - "On the catalytic synthesis of organosilica compounds" (Section III)

ROGINSKIY, Simon Z. - "Electronic effects in catalysis" (Section I or II)

RUBINSHTEYN, A. M. - "The structure and texture of Chromia-alumina-potassium oxide catalysts" (Section II)

SHUYKIN, N. I., and BEL'SKIY, I. P. - "Catalytic transformations in the furannic compound group" (Section III)

SOKOLSKIY, D. V., and SEMONINA, V. P. - "Kinetic and mechanism of catalytic reduction in aromatic nitro derivatives" (Section I)

TERENIN, A., and ROYEV, A. - "Active sites on transition metal catalysts, revealed in the infrared spectrum of adsorbed NO." (Section II)

TOPCHIYEVA, K. V., ANTIPINA, T. V., and LEE HEH SHENE (Possibly LI Ho-seng, Moscow Textile Institute) - "The effects of structural characteristics of porous catalysts on activity and kinetic behavior of heterogenous-catalytic reactions" (Section I)

VOLKENSHTEYN, T. - "General ideas on the electronic theory in catalysis on semiconductors" (Section I)

YEROFEYEV, B. V., and NIKIFOROVA, N. F. - "Catalytic transformation of cyclohexene and copper and the multiplet theory" (Section II)

reports to be presented at the 2nd Intl Congress on Catalysis, Paris, France, 4-9-Jul '60.

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~~5(1)~~

AUTHORS: Mamedaliyev, Yu.G., Corresponding Member AS USSR, Guseynov, M.M., Mamedov, S.M.

SOV/20-130-2-39/49

TITLE: Production of Carbon-chloride Compounds by Chlorination of Pentanes in a Boiling Catalyst Layer

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 2, pp 379-381 (USSR)

ABSTRACT: The chain reaction of chlorination of alkanes with chlorine excess proceeds explosively and is controlled with difficulty. Carbon black, HCl and other undesired reaction products are formed. Therefore, the authors developed a method of producing carbon tetrachloride, hexachloroethane, tetrachloroethylene, hexachlorobutadiene and hexachlorocyclopentadiene. The method is based on exhaustive chlorination of pentanes in a boiling catalyst layer. The authors made experiments of chlorination of methane, ethane, propane, butane and pentanes, and determined the dependence of the yield in individual carbon chlorides on temperature, reaction time, ratio between reactants and other characteristics of the process. The production of CCl_4 from methane was described in a previous paper (Ref 1). The present

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

Production of Carbon-chloride Compounds by Chlorination of Pentanes in a Boiling Catalyst Layer SOV/20-130-2-39/69

paper deals with the chlorination of normal pentane from the rectification of Karadag gas condensate on pumice since the latter proved to be best suitable. The apparatus, and the order of operations, were similar to those in reference 1. Chlorine and pentane, however, were not mixed before but introduced separately into the catalyst. Table 1 shows the investigation results of the catalyzates at 350-450°; $Cl_2 : C_5H_{12}$ = [illegible]; chlorine velocity 49 l/h, pentane velocity 14 g/h. It shows that the 1st fraction (boiling out between 75 and 80°) corresponded to CCl_4. Its constants were near those of pure CCL_4. The yield in CCl_4 was 10-14% depending on the reaction temperature. The fraction 80-118° was low in quantity and consisted of CCl_4 and C_2Cl_4. The fraction corresponding to C_2Cl_4 boiled out at between 118 and 123°. The yield was 12-23% of C_2Cl_4. The fraction 185-235° consisted of hexachlorobutadiene with a small admixture of hexachloroethane. The fraction distilled off at between 235 and 238° corresponded to hexachlorocyclopentadiene (yield 23-40%). The distillation residue consisted

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

Production of Carbon-chloride Compounds by Chlorination of Pentanes in a Boiling Catalyst Layer SOV/20-130-2-39/69

of crystalline products, mainly octachlorocyclopentene. A catalyzate with high content of the desired carbon chloride can be obtained by temperature change, modification of the reactants, contact time, and other characteristics of the process. Also in the case of a considerable chlorine excess, a smooth reaction course without explosion and with high yield in carbon chlorides is ensured. There are 1 table and 1 Soviet reference.

ASSOCIATION: Institut neftekhimicheskikh protsessov Akademii nauk AzerbSSR (Institute of Petroleum-chemical Processes of the Academy of Sciences, Azerbaydzhanskaya SSR)

SUBMITTED: September 29, 1959

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84834

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S/020/60/134/005/022/023
B016/B054

AUTHORS: Mamedaliyev, Yu. G., Corresponding Member AS USSR, Guseynov, M. M., and Treyvus, E. M.

TITLE: Synthesis of 1,1,4,4,5,6-Hexachloro-5-cyclohexene-2,3-dicarboxylic Acid

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 5, pp. 1153-1154

TEXT: In contrast to perchloro cyclodienes, perchloro alkadienes either do not react with dienophilic substances (Ref. 1) or only very weakly (A. L. Klebanskiy and collaborators, Ref. 3). Reaction products of hexachloro butadiene with dienophilic substances might be of industrial importance. The elaboration of an efficient method of producing hexachloro butadiene at the authors' academy favored considerably a wide application of the said synthesis in industry. The method is based on the chlorination of butane in a quasiliquid catalyst layer (Ref. 4). A catalyzate with 70-75% of hexachloro butadiene is formed by complete chlorination at 300-400°C. In their paper, the authors present data which show that, when

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Synthesis of 1,1,4,4,5,6-Hexachloro-5-cyclohexene-2,3-dicarboxylic Acid

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B016/B054

certain conditions are observed, hexachloro butadiene easily reacts with dienophilic substances, particularly with maleic anhydride (which is in contradiction to statements made in earlier publications)(see Diagram). 1,1,4,4,5,6-hexachloro-5-cyclohexene-2,3-dicarboxylic anhydride is formed, which has not yet been described in publications. Its synthesis is described here. 1,1,4,4,5,6-hexachloro-5-cyclohexene-2,3-dicarboxylic acid precipitated in the form of white crystals. The yield approaches the theoretical one. The authors give the physico-chemical constants of the adduct. They are carrying on their investigations on the interaction of hexachloro butadiene with other dienophilic substances, and on the transformation of the adducts into heat-resistant and refractory resins and insecticides. There are 4 references: 2 Soviet.

ASSOCIATION: Institut neftekhimicheskikh protsessov Akademii nauk AzerbSSR (Institute of Petrochemical Processes of the Academy of Sciences Azerbaydzhanskaya SSR)

SUBMITTED: July 1, 1960

Card 2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; GUSEYNOV, M.M.; MAGERRAMOVA, Z.Yu.

Production of hexachloroethane and tetrachloroethane by the catalytic and thermal decomposition of carbon tetrachloride. Dokl.AN Azerb. SSR 16 no. 6:541-545 '60. (MIRA 13:10)

1. Institut neftekhimicheskikh protsessov AN Azerbaydzhanskoy SSR.

(Ethane) (Carbon tetrachloride)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; GUSEYNOV, M.M.; MISHIYEV, D.Ye.; MAMEDOV, S.M.

Producing hexachlorobutadiene by the chlorination of butane in a fluidized catalyst bed. Dokl. AN Azerb. SSR 16 no. 11:1063-1066 '60. (MIRA 14:2)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.
(Butadiene) (Butane) (Chlorination)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; GUSEYNOV, M.M.; SALAKHOV, M.S.

Producing 1,4- and 1,2-dichlorbutene by chlorination of butadiene in a fluidized catalyst bed. Dokl.AN Azerb.SSR 17 no.1:19-23 '61. (MIRA 14:3)

1. Institut neftekhimicheskikh protsessov.
(Butene) (Chlorination)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; GUSEYNOV, M.M.; KICHIYEVA, D.D.; MAMEDOV, S.M.

Producing hexachlorobenzene by the thermal decomposition of carbon perchlorides. Dokl. AN Azerb. SSR 17 no. 2:109-113 '61. (MIRA 14:4)

1. Institut neftekhimicheskikh protsessov AN Azerbaydzhanskoy SSR.
(Carbon chlorides) (Benzene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, YE.G., GUSEINOV, M.M.

Synthesis of perchloroalkanes, perechloro-alkenienes and perchlorocyclodienes.

Report to be submitted for the 12th Conference on high molecular weight compounds devoted to monomers, Baku, 3-7 April 62

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

ASKEROV, A.G., red.; GUSEYNOV, A.G., red.; GUSEYNOV, M.M., red.; BABAYEV, A.M., red.; YEGIAZAROV, A.G., red.

[Study and utilization of mineral water resources in the Azerbaijan S.S.R.] Izuchenie i osvoenie gidromineral'nykh resursov Azerbaidzhanskoi SSR; trudy. Baku, AN Azerb.SSR, 1962. 157 p. (MIRA 16:12)

1. Azerbaidzhanskaya respublikanskaya gidrologicheskaya nauchnaya sessiya, posvyashchennaya 40-i godovshchine Kompartii Azerbaidzhana i polvedy Sovetskoy vlasti v Azerbaidzhane. 1st 1960. 2. Nachal'nik Azerbaidzhanskogo Respublikanskogo kurortnogo upravleniya profsoyuzov (for Guseynov, M.M.). 3. Institut kurortologii i fizicheskikh metodov lecheniya im. S.M.Kirova (for Guseynov, A.G.).
(Azerbaijan--Mineral waters)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; GUSEYNOV, M.M.; MEKHTIYEVA, F.A.; AKHNAZAROVA, Sh.S.

Production of chlorinated hydrocarbons by ethane chlorination in a fluidized catalyst bed. Dokl. AN Azerb. SSR 18 no.5:11-15 '62. (MIRA 15:7)

1. Institut neftekhimicheskikh protsessov AN AzSSR.
(Hydrocarbons) (Chlorination)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; MAMEDOV, Mageram; GUSEYNOV, M.M.; SHARIFOVA, M.R.; MEKHTIYEVA, F.A.

Synthesis of vinyl chloride by the chlorination of ethylene in a fluidized catalyst bed. Dokl. AN SSSR. 144 no.6:1309-1311 Je '62. (MIRA 15:6)

1. Institut neftekhimicheskikh protesessov Akademii nauk Azerbaydzhanskoy SSR.
2. Chlen-korrespondent Akademii nauk SSSR (for Mamedaliyev).
(Ethylene) (Chlorination) (Fluidization)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G. [deceased]; GUSEYNOV, M.M.; MISHIYEV, D.Ye.; PETROSYAN, P.A.; SALIMOV, M.A.

Synthesis of alkenylbenzenes and alkenyltoluenes. Azerb.khim.zhur. no.5:19-28 '62. (MIRA 16:5)
(Benzene) (Toluene) (Butadiene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G. [deceased]; GUSEYNOV, M.M.; MISHIYEV, D.Ye.; PETROSYAN, P.A.; MEKHRALIYEV, A.A.

Condensation of hexachlorocyclopentadiene with alkemyl aromatic hydrocarbons. Dokl. AN Azerb. SSR 18 no.9:15-17 '62. (MIRA 17:1)

1. Institut neftekhimicheskikh protsessov AN AzSSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G. [deceased]; GUSEYNOV, M.M.; MISHIYEV, D.Ye.; MEKHRALIYEV, A.A.; PETROSYAN, P.A.

Synthesis of alkenyl-substituted oxy-alkoxy derivatives of aromatic hydrocarbons. Dokl. AN Azerb. SSR 19 no.8:27-30 '63. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzSSR. Predstavleno akademikom AN AzSSR M.A. Dalinym.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G.; GUSEYNOV, M.M.; TREYVUS, E.M.

Condensation of hexachlorocyclopentadiene with -methylstyrene. Dokl. AN Azerb. SSR 20 no.2:11-14 '64. (MIRA 17:6)

1. Institut neftekhimicheskikh protsessov im. Yu.G.Mamedaliyeva AN AzerSSR.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

L 24690-65 EWT(m)/EPF(c)/EWP(j) Pc-4/Pr-4/Pa-4 RM
ACCESSION NR: AP4049425 S/0316/64/000/001/0095/0096

AUTHOR: Guseynov, M. M.; Dzhabarzade, Sh. A.; Khalilov, Kh. D. 21 B

TITLE: Preparation of tetrachlorophthalic anhydride

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1964, 95-96

TOPIC TAGS: tetrachlorophthalic anhydride, phthalic anhydride, catalytic chlorination, dichlorophthalic anhydride

ABSTRACT: Phthalic anhydride was chlorinated in the presence of metallic molybdenum, ferric chloride, steel shavings, sulfuric acid, or oleum (1.90-1.93). Steel shavings did not give positive results; ferric chloride, metallic molybdenum, and 60% or 90% sulfuric acid gave dichlorophthalic anhydride. The best catalyst was oleum, with crystalline iodine as the initiator. At 75-80C, the yield of end product reached 99.6%. A rise in temperature to 100C had a negative effect. The optimal conditions are 75C, a molar ratio of phthalic anhydride to oleum, chlorine, and iodine of 1:9:4:0.05, and a reaction time of 9 hours. The concentration of spent H_2SO_4 is 75-80%.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: OC
Card 1/1 NO REF SOV: 002 OTHER: 006

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MAMEDALIYEV, Yu.G. [deceased]; GUSEYNOV, M.M.; SALAKHOV, M.S.

Synthesis of hexachlorobutadiene by exhaustive chlorination of 1,3-butadiene in a fluidized catalyst bed. Azerb. khim. zhur. no.3:51-53 '64. (MIRA 18:5)

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L 32848-65 EWT(m)/EPA(s)-2/EPF(c)/T/EWP(j)/EPR Pc-4/Pr-4/Ps-4/Pt-10 WW/RM

ACCESSION NR: AP5007522 S/0316/64/000/006/0021/0023

AUTHOR: Guseynov, M. M.; Dzhabarzade, Sh. A.; Khalilov, Kh. D.

40
B

TITLE: Synthesis of esters of tetrachlorophthalic acid

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 6, 1964, 21-23

TOPIC TAGS: dialkyl tetrachlorophthalate, tetrachlorophthalic anhydride, aliphatic alcohol, catalytic esterification

ABSTRACT: A number of alkyl tetrachlorophthalates have been synthesized by catalytic esterification of tetrachlorophthalic anhydride with C_3—C_8 aliphatic alcohols. The study was undertaken in view of the wide use of tetrachlorophthalates in petrochemical synthesis, e.g., diallyl tetrachlorophthalate (for making heat- and fire-resistant polymers) or dialkyl tetrachlorophthalates (for making plasticizers for vinyl chloride resins). The reactions were conducted in benzene solutions in the presence of chemically pure HCl catalyst. The highest yields (94—96%) of tetrachlorophthalates were obtained under the following conditions: reaction temperature, 92C; time, 7 hr; anhydride/alcohol/HCl molar ratio, 1/nR_aOH/1, where n = 3—8 and a is the number of carbon atoms = 3—8. The properties of the synthesized diallyl, dibutyl, dipentyl, dihexyl, diheptyl, and dioctyl tetrachlorophthalates are given. Orig. art. has: 2 tables. [BO]

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ACCESSION NR: AP5007522

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: GC, MT

NO REF SOV: 001 OTHER: 001 ATD PRESS: 3205

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8

MISHIYEV, D.Ye.; GUSEYNOV, M.M.; PETROSIAN, I.A.

Alkenylation of benzene with butadiene. Dokl. AN Azerb. SSR 21 no.2:15-17 '65. (MIRA 18:5)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617610020-8"