

MALIKOV, F.P.; SHLEYMOVICH, M.A., inzh., retsenzent; IL'NITSKIY,  
I.I., kand. tekhn. nauk, red.; DUGINA, N.A., tekhn. red.

[Chucks for metal-cutting tools] Patrony dlia rezhushchikh  
instrumentov; spravochnik. Moskva, Mashgiz, 1963. 103 p.  
(MIRA 16:5)

(Chucks)

L 58882-65 EWG(v)/EWP(j)/EWP(k)/EWT(m)/EWP(i)/EWP(b)/EWP(e) Pc-4/Pe-5/Pf-4/

Pg-4 RM/WH

ACCESSION NR: AP5019003

UR/0286/65/000/012/0028/0028  
621.3. 066.6

AUTHOR: Zelikovskiy, Z. I.; Kondur, A. V.; Shleyovich, M. I. 15 43 B

TITLE: A method for fastening a winding made of fine glass-covered wire to a current supply. Class 21, No. 171895 15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 28

TOPIC TAGS: electric connector, glass coating, glass to metal seal 17

ABSTRACT: This Author's Certificate introduces a method for fastening a winding made of fine glass-covered wire to a current supply. The point of contact is then galvanized. The fastening process is simplified and the reliability of the contact point is improved by using cold welding to fasten the ends of the coil to the current supply. The contact section and the glass-covered wire adjacent to it are then chemically silvered and a non-porous heat resistant coating is applied (nickel-copper-nickel).

ASSOCIATION: none

Card 1/2

I. 58882-65

ACCESSION NR: AP5019003

0

SUBMITTED: 05Feb63

ENCL: 00

SUB CODE: EE

NO REF SOV: 000

OTHER: 000

*RD*  
Card 2/2

SHLEYMOVICH, P. I.

"Hydrophysical Characteristics of the Soil of Ancient Deltas of the Syr Darya River." Cand Agr Sci, Kazakh Agricultural Inst, Alma-Ata, 25 Nov 54. (KP, 12 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

Country : USSR  
Category: Soil Science. Physical and Chemical Properties of Soil.

J

Abs Jour: RZhBiol , No 18, 1958, No 82057

Author : Shleymovich, P.I.  
Inst : Kazakh Univ.  
Title : The Problem of Preliminary Preparation of Soil Samples  
for Microaggregate Analysis.

Orig Pub: Uch zap. Kazakhsk. un-t, 1956, 21, 180-185

Abstract: Experiments were conducted in the laboratory of the Kzyl-Crda Scientific Experimental Base of the Academy of Sciences Kazak SSR. For microaggregate and mechanical analysis soil specimens from marshes which were drying up, meadow-marsh soil, and arable horizon soils of rice fields were treated with distilled water, river water, and aqueous extracts of the same soils. The

Card : 1/2

J-4

Country : USSR

Category: Soil Science. Physical and Chemical Properties of Soil.

J

Abs Jour: RZhBiol., No 18, 1958, No 82057

mechanical structure of the soil, as determined by analysis using methods of the most complete disaggregation of microstructural elements, did not reflect the physical nature of the soil. The microstructure of the soils, especially of the irrigated ones, pictured an unstable aggregate state. Water which is usually used for irrigation is recommended in the preparation of soil samples of irrigated soils for microaggregate analysis. -- E.S. Graf

Card : 2/2

SHLEYMOVICH, Pavel Iosifovich, kand. sel'khoz. nauk.

[Soil structure and its importance in increasing soil fertility]  
Struktura pochvy i ee znachenie v povyshenii pochvennogo plod-  
rodiiia. Alma-Ata, Kazakhskii gos. univ. im. S.M.Kirova, 1960.  
90 p. (MIRA 14:6)

(Soil physics)

(Soil fertility)

SHLEYMOVICH, P.I., kand.sel'skokhozyaystvennykh nauk

Principal physical properties of soils in the Chiili irrigation  
region. Vest.AN Kazakh.SSR 17 no.3:50-57 Mr '61. (MIRA 14:3)  
(Chili Valley--Soil physics)



*SHLEYMOVICH, R.E.*

ZDANOVSKIY, A.B.; LYAKHOVSKAYA, Ye.I.; SHLEYMOVICH, R.E.; BUKSHTEYN, V.M.,  
redaktor; VALYASHKO, M.G., redaktor; PEL'SH, A.D., redaktor.

[Handbook of experimental data on the solubility of multicomponent  
water-salt systems] Spravochnik eksperimental'nykh dannykh po rast-  
vorimosti mnogokomponentnykh vodno-solevykh sistem. Vol.1 [Tri-compo-  
nent systems] Trekhkomponentnye sistemy. Leningrad, Gos. nauchno-  
tekhnicheskoe izd-vo khimicheskoi lit-ry, 1953. 670 p. (MLRA 7:2)

SHLEYMOVICH, R.E.

ZHDANOVSKIY, A.B.; LYAKHOVSKAYA, Ye.I.; SHLEYMOVICH, R.E.; BUKSHTEYN, V.M., redaktor; VALYASHKO, M.G., redaktor; PEL'SH, A.D., redaktor; KOTS, V.A., otvetstvennyy redaktor; LEVIN, S.S., tekhnicheskiiy redaktor; ERLIKH, Ye.Ya., tekhnicheskiiy redaktor.

[Handbook of experimental data on the solubility of multicomponent water-salt systems] Spravochnik eksperimental'nykh dannykh po rastvorimosti mnogokomponentnykh vodnosolevykh sistem. Leningrad, Gos.nauchno-tekhn.izd-vo khim.lit-ry. Vol.2.[Quaternary and more complex systems] Chetyrekhkomponentnye i bolee slozhnye sistemy. 1954. 1269 p. (MLRA 8:3)

(Solubility)(Salts)(Systems (Chemistry))

SHUKHMAN, Z.; SHTAMM, V.; SHLEYMOVICH, S.; KALMYKOV, P.; RAL'TSEVICH, V.;  
PYATENKOV, V.; POTEMIN, I.; SOKRATOV, Yu.

There are all conditions for building strong and good elevators. Muk.-elev. prom. 29 no.8:18-19 Ag '63.

(MIRA 17:1)

1. Zamestitel' upravlyayushchego trestom TSentroelevatormel'stroy (for Shtamm). 2. Nachal'nik sektora organizatsii stroitel'nykh rabot Gosudarstvennogo instituta Promzernoproyekt (for Ral'tsevich). 3. Starshiy inzh. Tsentral'nogo konstruktorskogo byuro tresta Spetselevatormel'montazh (for Potemin). 4. Zamestitel' nachal'nika proizvodstvenno-tekhnicheskogo otdeleniya tresta Petropavlovskel'evatormel'stroy (for Sokratov).

KALMYKOV, P.V.; RAL'TSEVICH, V.A.; KHOROSHIY, I.S.; SHLEYMOVICH,  
S.A.; SHUKEMAN, Z.S.; ARIELI, E.I.

[Building reinforced concrete structures in sliding forms]  
Vozvedenie zhelezobetonnykh sooruzhenii v skol'ziashchei  
opalubke. Moskva, Stroizdat, 1965. 306 p.

(MIRA 18:12)

SHLEYMOVICH, Sh., inzh.

Reconditioning machine parts by build-up welding. Rech.  
transp. 21 no.12:27-28 D '62. (MIRA 15:12)  
(Marine engines--Maintenance and repair)

L 20770-65 EWT(m)/EWP(j)/EWP(t)/EWP(b) Pc-4 BSD/ASD(m)-3/AFTC(p)

RM/JD

ACCESSION NR: AP5001345

S/0310/64/000/010/0029/0030

AUTHORS: Shleymovich, Sh. (Engineer); Trakhtenberg, I. (Engineer)

TITLE: Coating a metal with plastic film

SOURCE: Rechnoy transport, no. 10, 1964, 29-30

TOPIC TAGS: plastic coating, polyvinylbutyral, metal coating, fluidized bed

ABSTRACT: Plastic film coating (0.1-1 mm thick) of metal parts at the Moskovskiy sudostroitel'no - sudoremontnyy zavod (Moscow Ship-Building and Ship-Repair Plant), at the Kalininskiy i Leningradskiy vagonostroitel'nyye zavody\* (Kalinin and Leningrad Railway-Car Factories), and at the Kiyevskiy zavod torgovogo mashinostroyeniya (Kiev Industrial Machinery Factory) is described. The metal parts are coated by heating and submerging them in a fluidized bath of thermoplastic particles (0.05-0.2 mm particle size, usually consisting of about 96-97.5% polyvinylbutyral, 0.9-2.8% titanium dioxide, and some coloring additives (experiments with polyethylene are also being performed). The bath used for coating the parts is shown in Fig. 1 on the Enclosure. Compressed air is introduced at (3), passes uniformly through a porous ceramic or other material (2), and enters the fluidized bath (1) which can have various shapes, depending on the parts to be

Card 1/3

L 20770-65  
ACCESSION NR: AP5001345

0

coated. It was found that the metal parts should be cleaned thoroughly (with organic solvents or salt baths) and, for polyvinylbutyral coating, they have to be heated to 350-400C. It is hoped that plastic coatings will replace chrome-nickel coating of metal parts in many applications. Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: IE,MT

NO REF SOV: 000

OTHER: 000

Card 2/3

L 20770-65

ACCESSION NR: AP5001345

ENCLOSURE: 01

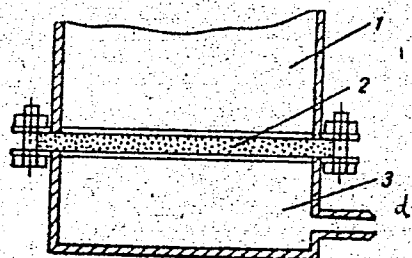


Fig. 1. Schematic of fluidized bath.

Card 3/3



SOROKIN, N.V., inzh.; SHLEYMOVICH, S.A., inzh.

Small one-cylinder hydraulic jack for mechanized lifting of  
sliding forms. Nov. tekhn. i pered. op. v stroi. 20 no.2:16-19  
F '58. (MIRA 11:2)

(Hydraulic jacks)  
(Concrete construction)

SHLEYMOVICH, S.M.

Automatizing the speed control of driers for fabric printing  
machines. Tekst. prom. 17 no.5:50-51 My '57. (MLBA 10:6)

1. Nachal'nik konstruktorskogo byuro fabriki imeni V.Slutskey.  
(Drying apparatus--Textile fabrics) (Automatic control)

SHLEYMOVICH, S.M.

Automatic machine for straightening fabric edges. Tekst. prom. 17  
no.8:47-48 Ag '57. (MLRA 10:9)

1. Nachal'nik konstruktorskogo byuro fabriki imeni V. Slutskey.  
(Textile fabrics)

KULIK, Yuriy Grigor'yevich; SHLEYMOVICH, S.S., redaktor; VITASHKINA, S.A.,  
redaktor; VOLKOVA, Ye.D., tekhnicheskiy redaktor.

[Technological fitting out for the sectional building of ships; area of  
preliminary assembly of units and sections of the hull] Tekhnologicheskaya  
osnastka dlia sektsionnoi sborki sudov; uchastok predvaritel'noi sborki  
uzlov i sektsii korpusa. Moskva, Izd-vo "Rechnoi transport," 1954.  
101 p. (MIRA 8:4)

(Shipbuilding)

L 9534-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HM

ACC NR: AP5026293

SOURCE CODE: UR/0125/65/000/010/0052/0054

AUTHOR: Shleymovich, S. S. (Engineer); Vorob'yev, V. V. (Engineer); Rubanovich, B. B. (Engineer)

ORG: [Shleymovich] Ministry of River Fleet RSFSR (Ministerstvo rechnogo flota RSFSR); [Vorob'yev] Orgenergostroy; [Rubanovich] Trest "Stal'konstruktsiya"

TITLE: Experience in unshielded arc welding with bare alloy wire

SOURCE: Avtomaticheskaya svarka, no. 10, 1965, 52-54

TOPIC TAGS: unshielded arc welding, welding technology, shipbuilding engineering, construction

ABSTRACT: Mechanized unshielded arc welding with bare alloy wire, developed in 1962 at the Ye. O. Paton Institute of Electric Welding, dispenses with the use of shielding atmospheres which is of major importance to mechanizing welding operations in shipbuilding and construction. What is more, it reduces by 35-40% the number of transverse deformations compared with manual and submerged-arc welding. The technique has been used with positive results to mechanize reinforcement-welding operations during the construction of poured-on-the-spot and precast reinforced concrete structures in the Konakovo, Kirishev and Burshtyn power stations, where it has served to markedly

Card 1/2

UDC: 621 791.753.037

L 9534-66

ACC NR: AP5026293

6

reduce the cost and time of the construction and assembling operations. The related experience shows that use of this technique to weld 100 joints of 40 mm thick reinforcement in the vertical position saves about 450 rubles and in the bottom position, 165 rubles (compared with manual welding). Mechanized unshielded arc welding has also been introduced since 1963 at the Gomel and Astrakhan shipyards, with similarly satisfactory results. In addition, it has been used to weld together sheets of structural metal. It is a technique that assures an increase in productivity and reduction in production cost in conditions when other methods of mechanized welding are not applicable. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 11,13/ SUBM DATE: 09June65/ ORIG REF: 003/ OTH REF: 000

*Ch*  
Card 2/2

USYUKIN, I.P.; SHLEYNIKOV, B.M.; SOROKINA, Ye.S.

Solubility of ethylene in certain selective organic solvents at  
low temperatures. Gaz. prom. 8 no.4:40-42 '63. (MIRA 17:10)

SHLEYNIKOV, V.M., inzh.

Continuous checking of the hydrocarbon content in air-separation  
assemblies. Khim.mash, no.6:45 N-D '60. (MIRA 13:11)  
(Gases--Separation) (Hydrocarbons)



S/081/62/000/017/076/102  
B156/B186

AUTHORS: Usyukin, I. P., Shleynikov, V. M.

TITLE: Solubility of acetylene in selective solvents at low temperatures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1962, 476, abstract 17M192 (Novosti نفت. i gaz. tekhn. Neftepererabotka i neftekhimiya, no. 12, 1961, 33 - 39)

TEXT: The solubility of acetylene (I) in eight solvents (acetone, methanol, methyl pyrrolidon, dimethyl formamide, dimethyl acetate, ethyl ether, m-xylene, and dichloroethane), was determined in relation to the temperature, at  $P_{C_2H_2} = 1$  atm. It is shown that the solubility of I in

these solvents increases abruptly as the temperature is reduced. An empirical equation for the solubility of acetylene in solvents with relation to the temperature is given. [Abstracter's note: Complete translation.]

✓

Card 1/1

USYUKIN, I.P.; SHLEYNIKOV, V.M.

Solubility of propylene in methanol at low temperatures. Gaz.  
prom. 6 no.12:40-42 '61. (MIRA 15:2)

(Propene)  
(Methanol)

USYUKIN, I.P., doktor tekhn.nauk; SHLEYNIKOV, V.M.

Methanol vapor density at low temperatures. Khim.prom. no.1:65-66  
Ja '62. (Methanol) (Vapor density) (MIRA 15:1)

USYUKIN, I.P.; SHLEYNIKOV, V.M.

Solubility of carbonic acid in some organic solvents at low  
temperatures. Neftteper. i neftekhim. no.1:39-43 '63.  
(MIRA 16:10)

1. Moskovskiy institut khimicheskogo mashinostroyeniya.

YURGENSON, G.N., inzh.; SHLEYNIKOV, V.M., inzh.

News of technology abroad. Khim.mashinostr. no.4:45-46  
Jl-Ag '63. (MIRA 16:9)  
(Chemical engineering--Equipment and supplies)

SHLEYNIKOV, V.M.; TAGINTSEV, B.G.; Prinsipalni uchastiye: IVANOVSKIY, F.P.;  
SHENDEREY, Ye.R.

Separating acetylene from gases obtained by the electrocracking  
of methane at low temperatures. Gaz. prom. 9 no.6:38-42 '64.  
(MIRA 17:8)

L 53664-65 EWT(m)/EPF(c)/EMP(j) MA(c) Pc-4/Pr-4 RM

ACCESSION NR: AP5013516

UR/0318/65/000/005/0037/0040  
547.314.2AUTHORS: Bakhtyukova, G. N.; Usyukin, I. P.; Shleynikov, V. M.; Kir'yakov, V. N.TITLE: Solubility of acetylene in methanol at high pressure

SOURCE: Neftepererabotka i neftekhimiya, no. 5, 1965, 37-40

TOPIC TAGS: acetylene, solubility, methanol, solvent action, solvent extraction, solvent

ABSTRACT: The last stage of the high pressure extraction of acetylene from natural gas mixtures was studied. It consisted of the acetylene absorption by selective solvents (methyl alcohol). Its solubility in methanol was determined within the temperature range from 20C to that of condensation and under pressures up to 19 absolute atmospheres by the procedure described by I. P. Usyukin, V. M. Shleynikov, A. V. Timofeyev, G. N. Shchekina ("Neftepererabotka i neftekhimiya," No. 11, TsNIITneftegaz, 1963, p. 35). Acetylene solubility in methanol increased with temperature decrease, while at a constant temperature it increased with the rise in pressure. The comparison of the results obtained with the data previously published is shown graphically in Fig. 1 on the Enclosure. The data from different sources correlated satisfactorily. The representation of the results in the coordinates:  
Cord 1/5

L 53664-65

ACCESSION NR: AP5013516

solubility logarithm - reverse temperature was used to derive an empirical equation for the calculation of acetylene solubility in methanol  $\lg \alpha = \frac{A}{T} - B$ . Here  $\alpha$  - solubility,  $\text{mm}^3/\text{m}^3$ ; T - temperature,  $^{\circ}\text{K}$ ; A, B - empirical constants depending on pressure. The values of A and B are tabulated below.

Pressure, <i>atm</i>	A	B
0.5	950	2.48
1.0	975	2.27
3	1000	1.93
5	1020	1.80
7	1060	1.80
9	1100	1.80
11	1120	1.76
13	1200	1.96
15	1250	2.07
17	1350	2.35
19	1420	2.51

The equation held true for the whole temperature range of the experiment under pressures up to 9 absolute atmospheres. At pressures exceeding this value it was true for temperatures up to  $-100^{\circ}\text{C}$ . Orig. art. has: 3 tables, 3 figures, and 3 formulas.

ASSOCIATION: Moskovskiy institut khimicheskogo mashinostroyeniya (Moscow Institute of Chemical Machine Building)

Card 2/5



L 53664-65

ACCESSION NR: AP5013516

SUBMITTED: 00

ENCL: 02

SUB CODE: 00

NO REF SOV: 004

OTHER: 000

0

Card 3/5

L 53664-65

ACCESSION NR: AP5013516

ENCLOSURE: 01

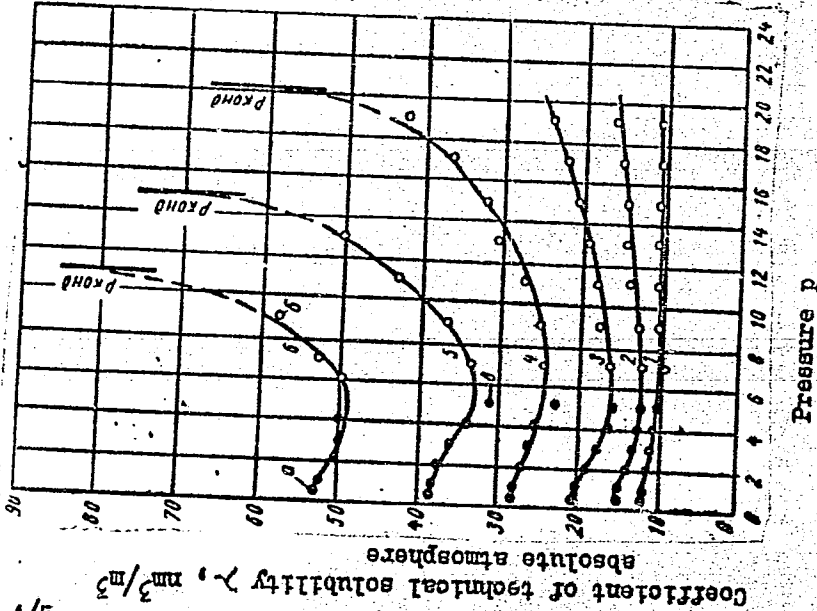


Fig. 1. Relation of the coefficient of technical solubility of acetylene in methanol to temperature and pressure at temperature ( $^{\circ}\text{C}$ ): 1- 20; 2- 10; 3- 0; 4- -10; 5- -20; 6- -30;

a - data obtained by G. E. Braude and S. F. Shakhova "Khimicheskaya promyshlennost'", No. 3, 1961, p. 177-182

To Enclosure 02

Card 4/5

L 53664-65

ACCESSION NR: AP5013516

ENCLOSURE: 02

From Enclosure 01

d - data obtained by the authors  
b - data obtained by I. P. Usyukin  
and V. M. Shleynikov; "Novosti  
neftyanoy i gazovoy tekhniki," seriya  
"Neftepererabotka i neftekhimiya,"  
No. 7, GOSINTI, 1962, page 34-37

286  
Card 5/5

ACC NR: AP7002726

SOURCE CODE: UR/0318/66/000/012/0036/0039

AUTHOR: Demidova, Yu. A.; Usyukin, I. P.; Shleynikov, V. M.

ORG: Moscow Institute of Chemical Machine Building (Moskovskiy institut khimicheskogo mashinostroyeniya)

TITLE: Phase equilibria in the system N-methylpyrrolidinone-carbon dioxide at high pressures

SOURCE: Neftepererabotka i neftekhimiya, no. 12, 1966, 36-39

TOPIC TAGS: carbon dioxide, methylpyrrolidinone, carbon dioxide solubility, heat of solution

ABSTRACT:

A study has been made of the solubility of carbon dioxide in N-methylpyrrolidinone (NMP) in the -20—+20C range under pressures of up to 20 atm. The study was undertaken to establish the optimum conditions for the absorption of CO<sub>2</sub> from gas mixtures at high pressures and low temperatures. The experimental procedure was described by the authors in an earlier study (Neftepererabotka i neftekhimiya, 1963, no. 1, p. 39). The results of the experiments given in the table indicate that the solubility of CO<sub>2</sub> increases with decreasing temperatures, and that the sharpest increase is observed at pressures above 6 atm. Analysis of the

Card 1/3

UDC: 547.745-185

ACC NR: AP7002726

can be expressed by the formula of Krichevskiy-Il'inskaya. An empirical formula was derived for determining the solubility of  $\text{CO}_2$  in NMP in the studied temperature and pressure range. The heat of solution of  $\text{CO}_2$  in NMP was found to be 3540 cal/mol. Orig. art. has: 6 figures and 3 tables.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 008/ ATD PRESS: 5111

Card 3/3

SHLEYKUS, P. [Sleikus, P.]; TATARINTSEVAYTE, A. [Tatarincevaite, A.]  
veterinarnyy vrach-epizootolog

Echinoparyphiosis, a new helminthosis of young ducks in the  
Lithuanian S. S. R. Veterinariia 37 no.9:53 S '60. (MIRA 14:11)

1. Chlen Obshchestva gel'mintologov AN Litovskoy SSR (for  
Shleykus). 2. Ukmerskaya mezhrayonnaya vetbaklaboratoriya  
(for Tatarintsevayte).

(Lithuania--Ducks--Diseases and pests)  
(Worms, Intestinal and parasitic)

SHLEYNIS, R.I.

Differences in the soil formation under spruce and oak forests  
in the northwestern part of the U.S.S.R. Pochvovedenie no.3:  
20-29 Mr '65. (MIRA 18:6)

SHLEYNIS, R.N.

Composition of humus in oak forest soils of the Lithuanian  
S.S.R. Pochvovedenie no.6:17-24 Je '65. (MIRA 18:11)

1. Laboratoriya lesovedeniya AN SSSR. Submitted Oct. 16,  
1964.



VASILEVSKIY, D.P.; SHLEYSNER, R.R.; VROBLEVSKIY, A.A.

Contactless magnetic recording and reproduction. Trudy VNAIZ  
no.10:41-57 '62. (MIRA 16:11)

SHLEYSNER, Rikhard Rikhardovich; CHERNYAYEV, B.I., retsenzent;  
MIKHAYLOVA, O.F., red.

[Repair of home magnetic tape recorders] Remont bytovykh  
magnitofonov. Moskva, Legkaia industriia, 1965. 160 p.  
(MIRA 19:1)

SHLEYVA, I. I.

SHLEYVA, I. I.: "Double mating of pigs on production farms under the conditions of the Lithuanian SSR". Kaunas, 1955. Min Higher Education. Lithuanian Agricultural Academy. (Dissertation for the Degree of Candidate of AGRICULTURAL Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

SHELKHOV, V.; SHLEYER, G.

The piecework bonus wage system and labor productivity. Sots.  
trud 8 no.8:95-99 Ag '63. (MIRA 16:8)

1. Nachal'nik Ekhirit-Bulagatskogo proizvodstvennogo kolhozno-  
sovkhoznogo upravleniya (for Shelekhov). 2. Nachal'nik planovogo  
otdela Ekhirit-Bulagatskogo proizvodstvennogo kolhozno-  
sovkhoznogo upravleniya (for Shleyer)  
(Erikhit-Bulagatskiy District--Agricultural wages)
- (Erikhit-Bulagatskiy District--State farms--Labor productivity)

SHLEYER, G.E., kand.tekhn.nauk

Experimental investigation of an ABR-type automatic steering device.  
Trudy TSNIIMF 8 no.47:64-73 '63. (MIRA 16:12)

SHLEYZMAN, V.M.

1-100

✓ 3711\* (Russian.) Properties of Cast Alloy Structural Steels  
Svoistva litoi legirovannoi konstruktsionnoi stali. B. B.  
Gubaev, L. A. Shapranov, V. M. Shleyzman, and P. E. Kova-  
lenko. *Izvestiia Proizvodstva*, no. 2, Feb. 1957, p. 11-16.  
Comparison of mechanical and technological properties of alloy  
steels containing C, Mn, Si, Cr, Ni, Mo, Cu, and W

SM

MT  
RS

SHLEZINGER, A. Ye.

Correlation of the Permian-Triassic (Kara-Tau) complex in the  
Mangyshlak Peninsula. *Biul. MOIP. Otd. geol.* 34 no.6:59-66 N-D '59.  
(MIRA 14:3)  
(Kara-Tau--Geology, Stratigraphic)

SHEVYREV, A.A.; SHLEZINGER, A.Ye.

Age of lower Triassic horizons of the Mangyshlak  
Peninsula. Dokl.AN SSSR 133 no.6:1418-1421 Ag '60.  
(MIRA 13:8)

1. Geologicheskiy institut Akademii nauk SSSR. Predstavleno  
akad. A.L.Yanshinym.  
(Mangyshlak Peninsula--Geology, Stratigraphic)



GARETSKIY, R.G.; SHLEZINGER, A.Ye.; SHRAYBMAN, V.I.; YANSHIN, A.L.

Prospects for finding oil and gas in the southern Emba gravity maximum region. Sov.geol. 4 no.12:117-121 D '61. (MIRA 15:2)

1. Geologicheskii institut AN SSSR i Moskovskiy institut nefte-khimicheskoy i gazovoy promyshlennosti imeni I.M. Gubkina.  
(Emba region--Petroleum geology)  
(Emba region--Gas, Natural--Geology)

PLESHEYEV, I.S.; SHAPOV, A.I.; SHLEZINGER, A. Ye.

Structures of eastern Mangyshlak and adjacent territory in the  
Ustyurt Plateau. Biul. MOIP Otd. geol. 36 no.1:40-58 Jg-F '61.  
(MIRA 14:5)

(Mangyshlak Peninsula—Geology, Structural)  
(Ustyurt Plateau—Geology, Structural)

YANSHIN, A.L.; GARETSKIY, R.G.; NAUMOVA, S.N.; SHLEZINGER, A.Ye.

Position of the border of the Russian Platform east of  
the Caspian Sea. *Biul.MOI. Otd.geol.* 36 no.4:76-96 Pl-Ag '61.  
(MIRA 14:9)

(Russian Platform)

GARETSKIY, R.G.; YEGOROV, I.P.; NAUMOVA, S.N.; SHLEZINGER, A. Ye.

Lower Carboniferous and upper Devonian deposits in the Zhanasu region (the South-Emba gravity maximum). Dokl. AN SSSR 136 no.6:1418-1421 F '61. (MIRA 14:3)

1. Geologicheskii institut AN SSSR. Predstavleno akademikom A.L. Yanshinym.  
(Emba Valley-- Geology, Stratigraphic)

GARETSKIY, R.G.; NAUMOVA, S.N.; SHLEZINGER, A.Ye.

Stratigraphy and formational nature of upper Devonian deposits  
in the region of the Southern-Emba gravity maximum. Dokl. AN  
SSSR 141 no.4:931-933 D '61. (MIRA 14:11)

1. Geologicheskiiy institut AN SSSR. Predstavleno akademikom  
A.L. Yanshinym.  
(Emba Valley--Geology, Stratigraphic)

STOLYAROV, A.S.; SHLEZINGER, A.Ye.

Tectonics and basic characteristics of the development of the  
structural plan in the South Mangyshlak Plateau. Biul. MOIP.  
Otd.geol. 37 no.3:3-26 My-Je '62. (MIRA 15:10)  
(Mangyshlak Peninsula--Geology, Structural)

GARETSKIY, R.G.; DAL'YAN, I.B.; NAUMOVA, S.N.; SHLEZINGER, A.Ye.

Relationship between the lower and upper structural stages of  
the platform mantel in the Turan Platform. Izv. AN SSSR.  
Ser.geol. 28 no.3:83-92 Mr '63. (MIRA 16:2)

1. Geologicheskii institut AN SSSR, Moskva.  
(Turan Lowland--Geology, Structural)

KUZNETSOVA, K.I.; SHLEZINGER, A.Ye.

Upper Jurassic sediments in the submerged zones of the Mangy-  
shlak Peninsula. Biul.MOIP. Otd.geol. 38 no.3:60-76 My-Je '63.  
(MIRA 16:9)



GARETSKIY, R.G.; SAMODUROV, V.I.; SHLEZINGER, A.Ye.; YANSHIN, A.L.

Tectonics of the platform mantle of the Turan Plateau. Trudy GIN no.92:  
202-257 '63. (MIRA 17:10)

BOGOMOLOVA, L.I.; GARITSKIY, R.G.; GRIDASOV, Yu.M.; ZAMARENOV, A.K.;  
SHLEZINGER, A.Ye.

Subsalt sediments on the eastern edge of the Caspian syncline  
(Kenkiyak-Mortuk-Zhana-Zhol region). Dokl. AN SSSR 149 no.5:  
1147-1149 Ap '63. (MIRA 16:5)

1. Institut geologii nefi AN KazSSR, Geologicheskii institut  
AN SSSR i Trest "Aktyubnefterazvedka".  
(Caspian Lowland--Sediments (Geology))

GARETSKIY, R.G.; KOTOVA, I.Z.; SHLEZINGER, A.Ye.

Upper Jurassic continental formations of the Usturt. Dokl. AN  
SSSR 154 no.1:98-101 Ja'64. (MIRA 17:2)

1. Geologicheskii institut AN SSSR. Predstavleno akademikom  
A.L. Yanshinym.

GARETSKIY, R.G.; KOLESNIKOV, Ye.M.; MURAV'YEV, V.I.; SHLEZINGER, A.Ye.

Possibility of the determination of the absolute age of folding based on authigenous minerals in sedimentary rocks as revealed by a study of fold basement made in the southern Ural Mountain region. Dokl. AN SSSR 154 no.4:829-832 F '64.  
(MIRA 17:3)

1. Geologicheskoy institut AN SSSR. Predstavleno akademikom A.L. Yanshinym.

VOL'VOVSKIY, I.S.; GARFITSKIY, R.G.; SHLEZINGER, A.Ye.; SHRAYBMAN, V.I.

Surface structure of the basement of the Turan Plateau. Biol.  
MOIP. Otd. geol. 39 no.6:19-29 N-D '64. (MIRA 18:3)

GARETSKIY, R.G.; SHLEZINGER, A.Ye.; YANSHIN, A.L.

Types of the structures of young platforms in Eurasia.  
Geotektonika no.1:38-50 Ja-F '65. (MIRA 18:5)

1. Geologicheskii institut AN SSSR.

GABETSKII, K.G.; KOTOVA, I.Z.; SHELEZINGER, A.Ye.

Various types of Neocomian cross sections in the western part  
of the Turan Plateau. Izv. AN SSSR. Ser. geol. 30 no.2:102-111  
F '65. (MIRA 18:4)

1. Geologicheskii institut AN SSSR, Moskva.

GASITSKIY, R.P.; KOLISNIKOV, Ye.M.; MURAV'YEV, V.I.; SHLEZINGER, Z.Ye.

Absolute age of the folding of the basement in the central Vasyurt.  
Dokl. AN SSSR 160 no.3:665-668 Ja '65. (MIRA 18:3)

1. Geologicheskii Institut AN SSSR. Submitted September 15, 1964.



... ..  
... ..  
... ..

... ..  
... ..

... ..  
... ..

AVROV, P.Ya.; BULEKBAYEV, Z.Ye.; GARETSKIY, R.G.; DAL'YAN, I.B.;  
ZHURAVLEV, V.S.; MULDAKULOV, G.G.; FOMENKO, K.Ye.; SHLEZINGER, A.Ye.

Basic characteristics of the structure of the eastern and southeastern  
margins of the Caspian Lowland based on subsalt sediments. Geotektonika  
no.1:118-125 Ja-F '65. (MIRA 18:5)

1. Institut geologicheskikh nauk imeni Satpayeva AN Kazakhskoy  
SSR i Geologicheskiiy institut AN SSSR.

SHLEZINGER, A.Ye.; YANSHIN, A.I., akademik, otv. red.; PEYVE, A.V.,  
akademik, glavnyy red.; KUZNETSOVA, K.I., red.; MENNER,  
V.V., red.; TIMOFEYEV, P.P., red.

[Structural position and the development of the Mangyshlak  
dislocation system.] Strukturnoe polozenie i razvitie  
Mangyshlakskoj sistemy dislokatsii. Moskva, Nauka, 1965.  
218p. (Akademiya nauk SSSR. Geologicheskii institut.  
Trudy, no.132) (MIRA 18:11)

SMELZINGER, G.S.

PEASE I BOOK EXPLANATION SOV/5062

Glyp, B.A., Yu.M. Goulberg, M.K. Kaplan, Ye. M. Levenson, M.I. Markov, P.M. Polyanskiy, and G.S. Shlezinger

Kontrol'nye prisoobrazeniya (Inspection Equipment) Moscow, Mashizit, 1960. 38 p. Kross-sloznoy literat. (Series: Progressivnye sredstva kontrolya raznykh v mashinostroyeni)

Scientific Ed.: Ye. M. Levenson; Ed. of Publishing House: L.G. Prokof'yeva; Tech. Ed.: A.Ye. Tikhonov; Eds. for the Series: N.S. Rybnikov, M.I. Kochenov, and D.B. Malyy; Managing Ed. for Literature on Chemical- and Textile-machine Building: V.I. Rybakova, Engineer.

PURPOSE: This book is intended for designers and technical personnel in the machine-building industry.

CONTENT: The book discusses in detail the design of basic subassemblies and parts of inspection equipment which have proved valuable in shop practice. Various devices for the inspection of dimensional and non-dimensional parameters of parts used in machine building are described. The book is a part of a group of works

Card 1/3

Inspection Equipment

SOV/5062

on modern means for inspection in manufacturing processes, the publication of which was recommended by the Commission for the Introduction of Progressive Methods and Means of Inspection in Machine Building of the State Scientific and Technical Committee of the Council of Ministers of the USSR. No personalities are mentioned. There are 27 references, all Soviet.

TABLE OF CONTENTS:

Introduction

5

PART I. METHODS OF INSPECTION FIXTURES (Yu.M. Goulberg)

13

Ch. I. Locating Means

13

- 1. Locating from a plane (of the machine part) 13
- 2. Locating from external cylindrical surface 16
- 3. Locating from internal cylindrical surface (hole) 23

Ch. II. Transmitting Devices

35

- 1. Direct transmitting devices 35
- 2. Lever-type transmitting devices 31

Card 2/3

L 28061-66 EWT(d)/T/EWP(1) IJP(c) GG/BB/JXT(BF)/GS

ACC NR: AT6005569

SOURCE CODE: UR/0000/65/000/000/0062/0069

AUTHOR: Shlezinger, M. I.

53  
B+1

ORG: none

TITLE: Correlation method for <sup>160</sup>recognition of sequences of pictures

SOURCE: AN UkrSSR. Chitayushchiye avtomaty i raspoznvaniye obrazov (Reading devices and pattern recognition). Kiev, Naukova dumka, 1965, 62-69

TOPIC TAGS: pattern recognition, correlation statistics

ABSTRACT: The problem of pattern recognition is treated in terms of information transmission over a noisy channel. Ideal pictures  $S_1, S_2, \dots, S_k$  are sent; they undergo random distortions in the channel. Thus, a set of received pictures  $V$  corresponds to a single true picture  $S_1$  that was dispatched at the sending end of the channel. The above terms are also suitable for formulating the following problem: A number of ideal pictures  $S_1, S_2, \dots, S_k$  are subdivided into  $m$ -long sequences, the number of the sequences being smaller than  $k$ . Individual elements of a sequence are applied to separate channels. Judging by the received pictures, it is required to

Card 1/2

L 28061-66

ACC NR: AT6005569

0

find the most probable sequence at the channel input. The above problem is solved for the specific case when  $S_1, S_2, \dots, S_k$  are represented by the literals of a typed text; the pictures  $S_i$  are regarded as  $N$ -dimensional vectors, and the sequences are treated as  $m \times N$ -dimensional vectors. A conditional distribution of pictures at the channel output, when a sequence  $P$  is applied to its input, is denoted by  $p(V/P)$ .

Then, the final formula is:  $f(V, P) = \sum_{i=1}^m (V^{(i)} \cdot S^{*(i)})^2$ . This formula shows how to find the measure of similarity between the picture sequences and the standard sequences: to this end, the correlations between individual pictures and standards should be evaluated, and their squares summed up. Orig. art. has: 21 formulas.

SUB CODE: 12 / SUBM DATE: 31Aug65 / ORIG REF: 001

Card 2/2 *UV*

SHLEZINGER, M.

~~SECRET~~  
Training of drivers. Voen.znan. 30 no.12:16 D '54. (MIRA 8:7)

1. Starshiy inzhener-instruktor Tsentral'nogo Moskovskogo avto-motokluba  
organizatsii Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii,  
aviatsii i flotu. (Automobile drivers)

SHLEZINGER, M.

New programs for training 3rd, 2nd, and 1st class drivers.  
Avt. transp. 33 no.5:31-32 My '55. (MIRA 8:8)  
(Automobile drivers)



SHLEZINGER, M.

Essential knowledge for students. Za rul. 16 no.2:10 F '58.  
(MIRA 11:3)

1. Starshiy metodist Moskovskogo avtomotornogo kluba.  
(Automobiles--Study and teaching)

SHLEZINGER, M., starshiy metodist

Self-made visual aids. Za rul 16 no.8:12 Ag '58. (MIRA 11:9)

1. Moskovskiy avtomotoklub Dobrovol'nogo obshchestva sodeystviya  
armii, aviatsii i flotu.  
(Visual aids) (Automobile drivers)

SHLEZINGER, M.<sup>Yu.</sup>, starshiy metodist

Steering. Za rul.17 no.5:9-10 My '59. (MIRA 12:8)

1. Tsentral'nyy Moskovskiy avtomotoklub Dobrovol'nogo obshchestva  
sodeystviya armii, aviatsii-i flotu.  
(Automobiles--Steering gear)

BELYAYEV, Naum Zinov'yevich; SHLEZINGER, Mikhail Yur'yevich; FILIMONOV,  
I.M., red.; SHESTOPALOV, L.S., red.; KARYAKINA, M.S., tekhn.  
red.

[Manual for automobilists] Uchebnoe posobie shoferu-liubiteliu.  
Moskva, Izd-vo DOSAAF, 1961. 222 p. (MIRA 14:8)  
(Automobiles) (Traffic regulations) (Automobile racing)

IVAKHNENKO, A.G. [Ivakhnenko, O.H.]; SHLEZINGER, M.I.

Trends in the development of cybernetics. Avtomatyka 7 no.5:  
78-91 '62. (MIRA 15:11)

(Cybernetics)

IVAKHNEBO, A.G.; KLESINCHEV, V.V.; OTKHMEZURI, G.I.; SHELLINGER, M.I.

First monograph on the theory of perceptrons (review of F. Rosenblatt's book "Principles of neurodynamics.") Avtom. upr. i vych. tekhn. no.6:332-349 '64. (MIRA 17:10)

S/142/63/006/001/015/015  
E192/E382

**AUTHORS:** Petrenko, A.I. and Shlezinger, M.I.

**TITLE:** Functional converter with digital output

**PERIODICAL:** Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 6, no. 1, 1963, 96 - 97

**TEXT:** In an earlier paper (Izv. vuzov SSSR - Radiotekhnika, 1961, 4, no. 6, 711) the author described a functional converter which could read graphical functions recorded on tape or film. This converter had an analog output which could be connected to a digital voltmeter. It is possible, however, to obtain a digital code for the signal by introducing a digital comparison system into the servo system of the converter. The comparison system would consist of coincidence circuits with a controlled reversible counter. The remaining elements such as the time-base generator, photo-optical device, time-base radiating device and adding amplifier would be the same as in the earlier converter. The pulse of the photo-electron amplifier, produced at the instant of the ray crossing the graph, operates a trigger circuit (in the same manner as in the earlier converter) which is reset by a

Card 1/2

Functional converter ....

S/142/63/006/001/015/015  
E192/E382

synchronizing pulse related to the commencement of the time-base cycle. In the earlier converter the pulses from the trigger were applied to a single integrator whose output was connected to the plates of the oscilloscope. Here, two integrators are employed which are driven by the pulses from the anodes of the trigger circuit. A univibrator producing a rectangular pulse whose duration is equal to that of the time-base period is also triggered by the synchronizing pulses. If a positive signal appears at the output of one of the integrators, this actuates a coincidence circuit. The situation is similar as regards the second integrator. The pulses from the outputs of the coincidence circuits are applied to a reversible binary counter where they are counted either in the positive or negative sense, depending on their origin. The output of the counter is converted into a corresponding potential which is fed to the deflection plates via the adding amplifier. There is 1 figure.

ASSOCIATION: Kafedra promyshlennoy elektroniki Kiyevskogo  
ordena Lenina politekhnicheskogo instituta  
Card 2/2 (Department of Industrial Electronics of Kiyev  
Order of Lenin Polytechnical Institute)  
SUBMITTED: May 30, 1962



L 12483-63  
GG/IJP(C)

EWT(d)/FCC(w)/BDS AFMDC/APGC/ASD/ESD-3 Pg-4/Pk-4/Po-4/Pq-4  
S/102/63/000/002/007/007 76  
75

AUTHOR: Shlezinger, M. I.

TITLE: Experiments of modeling the "Al'fa" system with positive feedback on a computer

PERIODICAL: Avtomatyka, no. 2, 1963, 82-88.

TEXT: The Institute of Electrical Engineering of the Academy of Sciences of the Ukrainskaya SSR developed a structural circuit of system "Al'fa" which showed an amazing property of spontaneous organization under certain conditions. The operation of this system was modeled on the "vyvv" computer. This article describes the structural diagram of "Al'fa" with sixth positive feedback, its properties and modeling of operation. The principal problem lay in studying the learning processes as a function of certain parameters and finally in the principal capability of spontaneous recognition of images. The principal English language reference is F. Rosenblatt's, "Principles of Neurodynamics", Spartac Book, New York, 1962. The difference between the American system, "Perceptron" and "Al'fa" is the fact that the latter has specific transducers of signs and determined and rather than random connections between elements. The article contains 6 figures, 4 tables and a 4 item bibliography. The author expresses his gratitude to associates of the Instytut kibernetiky AN URSR  
Inst. of Cybernetics of the Academy of Sciences of the Ukrainskaya SSSR

ACC NR: AT6005567

SOURCE CODE: UR/0000/65/000/000/0038/0045

AUTHOR: Shlezinger, M. I.

ORG: none

TITLE: Spontaneous pattern recognition

SOURCE: AN UkrSSR. Chitayushchiye avtomaty i raspoznavaniye obrazov (Reading devices and pattern recognition). Kiev, Naukova dumka, 1965, 38-45

TOPIC TAGS: pattern recognition, perceptron

ABSTRACT: An attempt is made to introduce a quantitative measure of the quality of information into the problem of spontaneous pattern recognition. A probability density function  $p(x)$  is specified within a set  $X$ . The set  $X$  is to be subdivided into a specified number of nonintersecting classes  $X_1, X_2, \dots, X_n$  in such a way that the

formula:  $R = \sum_k P(k) \iint_{X_k X_k} S(x, y) p(x/k) p(y/k) d\lambda(x) d\lambda(y)$  be minimized; here,  $P(k)$  is the probability of  $k$ -th class,  $p(x/k)$  is the conditional probability density in the  $k$ -th class. This particular case of the above problem is set forth in the article: the set  $X$

Card 1/2

ABRAMZON, L.S.; SHLIDERMAN, V.Ya.

Performance of ejectors operating on fluids with highly elastic vapors. Neft.khoz. 37 no.12:40-44 D '59.

(MIRA 13:5)

(Petroleum industry--Equipment and supplies)

ABRAMZON, Leonid Semenovich; ILEMBITOV, Mukhametgaley Safich; SHLIDERMAN,  
Vladimir Yakovlevich; POLYANSKIY, O.I., vedushchiy red.; FEDOTOVA,  
I.G., tekhn. red.

[Ejector pumping of petroleum products with high vapor tensions]  
Ezhektornaia vykachka nefteproduktov s vysokoi uprugost'iu parov.  
Moskva, Gos. nauchno-tekhn. izd-vo nef. i gorno-toplivnoi lit-ry,  
1961. 76 p. (MIRA 14:8)  
(Ejector pumps) (Petroleum products)

SHLIDERMAN, V.Ya.; BONDARENKO, P.M.

Automation of basic oil ejector pumping processes. Trudy NIItransneft'  
no.1:151-159 '61. (MIRA 16:5)  
(Automation) (Tank cars) (Ejector pumps)

SHLIDERMAN, V.Ya.

Effectiveness of ejector pumping from tank cars of petroleum  
products having highly elastic vapors. Trudy NIITransnëft' no.1:  
160-167 '61. (MIRA 16:5)  
(Tank cars) (Ejector pumps) (Vapors—Elastic properties)

SHLIDERMAN, V.Ya.; BONDARENKO, P.M.

Accelerating the rate of pumping of tank cars of petroleum products  
having highly elastic vapors. Trudy NIITransneft' no.1:176-186  
'61. (MIRA 16:5)  
(Tank cars) (Ejector pumps) (Vapors--Elastic properties)

ABRAMZON, L.S.; SHLIDERMAN, V.Ya.; SKOVORODNIKOV, Yu.A.

Selecting efficient ejector pumping techniques. Trudy NII Transneft'  
no.1:187-196 '61. (MIRA 16:5)

(Ejector pumps)



MAZO, Ya.A.; SHLIF, L.I.; YASTRZHEMBSKAYA, N.I.

Demagnetization of magnetic films. Trudy VNAIZ no.9:33-56 '61.  
(MIRA 15:9)

(Magnetic recorders and recording)

89595

S/138/60/000/011/001/010

A051/A029

158102  
AUTHORS:

Livshits, I. A., Reykh, V. N., Ryazantsev, K. P., Salnis,  
K. Yu., Samoletova, V. V., Stepanova, V. I., Shlifer, D. I.

TITLE:

The Properties of Copolymers of Ethylene and Propylene

PERIODICAL:

Kauchuk i rezina, 1960, No. 11, pp. 1-5

TEXT:

The authors list data on the properties of  $CK3\pi$  (SKEP), one of the ethylene and propylene copolymers synthesized at the VNIISK. It is pointed out that research in the field of polymerization of ethylene hydrocarbons at the VNIISK was begun in 1956. It is stated that the indicated copolymers can be produced within a wide range of molecular weights. The hardness of the polymers, according to Defoe, is 1,400-5,000 g, characteristic elasticity of their solution is from 2.5 (and lower) to 9.0. The vitrification point of the SKEP copolymer is within the range of -50 to 70°C depending on the ratio of the ethylene and propylene. The SKEP copolymers are a dense white hard mass, comparatively easy to process on the rollers. Destruction occurs when they are processed mechanically on the rollers. The greatest destruction is observed in polymers with a high

Card 1/5

89595

S/13E/60/000/011/001/010

A051/A029

The Properties of Copolymers of Ethylene and Propylene

molecular weight (Table 1). Mixtures based on SKEF copolymer were prepared on laboratory rollers at a temperature of 50-60°C. It was found that SKEF copolymers are easily mixed with comparatively large quantities of fillers. Mixtures without softeners are dry, brittle, their surface resembling shagreen leather. During vulcanization they easily form a monolithic mass with a smooth, shiny surface. Vulcanization is carried out at 150-160°C. SKEF copolymer-based mixtures are characterized by a large vulcanization plateau (Fig. 1). The vulcanizates of non-filled mixtures based on the ethylene and propylene copolymer have a low tear-resistance. When a filler is added, especially gaseous channel carbon black and active furnace carbon black of the XA  $\phi$  (KhAF) type, the tear-resistance increases significantly. Vulcanizates containing one of the indicated carbon blacks in a quantity of 50 weight parts hardly differ in this index from similar vulcanizates based on natural rubber (Fig. 2). The physico-mechanical properties of carbon black vulcanizates based on SKEF copolymers depend on the molecular weight of the latter. A detailed study of the physico-mechanical properties of the SKEF copolymers was conducted for a mixture containing 45 weight parts of KhAF carbon black. Comparisons were made

Card 2/5

89595  
S/138/60/000/011/001/010  
A051/A029

The Properties of Copolymers of Ethylene and Propylene

between these properties and those of the C-23 (S-23) rubber, (KC-30A (SKS-30A) and natural rubber. Gaseous channel carbon black was used as the filler for natural and SKS-30A rubber, which causes optimum stability properties in the indicated rubbers. Vulcanizates of carbon black mixtures based on SKEP copolymer were found to be almost equal to the vulcanizates of similar mixtures based on natural rubber and SKS-30A in their tear-resistance and relative expansion. Higher moduli are obtained at 300% expansion in SKEP vulcanizates by the application of a high standard carbon black (KhAF) instead of channel carbon black. The values of the vulcanizate moduli of the SKEP mixtures may be increased or decreased by using various methods of vulcanization. The SKEP vulcanizate mixtures have lower residual elongations than the natural rubber and SKS-30A vulcanizates. They also have a higher elasticity to recoiling at ordinary and high temperatures, which is explained by the comparatively low content of side groups in the polymer chains. When elevating the testing temperature to 100°C, the tear-resistance dropped in the SKEP vulcanizates to a greater degree than in the natural rubber vulcanizates, although it remained sufficiently

Card 3/5

89595  
S/138/60/00/011/001/010  
A051 A120

The Properties of Copolymers of Ethylene and Propylene

high. In this index the experimental SKEP copolymers greatly surpass SKS-3-A rubber. Due to the almost complete absence of double bonds in the SKEP copolymer, rubbers based on the latter have a very high aging resistance at 100°C and at 150°C and are better in this respect than natural rubber. SKEP polymers are characterized by low hysteretic losses. In this respect they are almost equal to natural rubber and surpass SKS-30A rubbers significantly. Other valuable properties of the SKEP vulcanizates were found to be their high resistance to crack expansion in repeated bending deformations and a high wear-resistance. The latter surpass the natural rubbers greatly in their tear-resistance and come close to the regularly constructed divinyl rubbers (Ref. 5). Since different types of carbon blacks were used as fillers for SKEP, natural and SKS-30A rubbers, it was assumed that the high wear-resistance of the SKEP vulcanizates was connected with the use of the KhAF carbon black, which renders a higher wear-resistance. Additional experimental testing revealed that the type of carbon black has little effect on the wear-resistance of the vulcanizates of carbon black mixtures in the case of vulcanizates based on natural and SKS-30A rubber

Card 4/5

89595  
S/138/60/000/011/001/010  
A051/A029

The Properties of Copolymers of Ethylene and Propylene

(Table 4). In conclusion the authors point out that the ethylene and propylene (SPP) copolymers have a series of valuable physico-mechanical properties and are of great industrial interest. There are 4 tables, 2 graphs, 5 references: 1 Soviet, 3 English, 1 German.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S.V. Iebedeva (All-Union Scientific Research Institute of Synthetic Rubber im. S.V. Iebedev)

Card 5/5

GARTMAN, Valentin Aleksandrovich; KARIMOV, Ubaydulla Aliyevich;  
SAFEL'NIKOV, Ivan Alekseyevich; SHLIFER, David Grigor'yevich;  
BICHEROVA, A., red.

[Pocket handbook for the inventor and innovator] Karmanyi  
spravochnik izobretatelia i ratsionalizatora. Tashkent,  
Izd-vo "Uzbekistan," 1965. 150 p. (MIRA 18:8)

2

L 44587-66 EWT(m)/I/EWP(j) IJP(c) WW/RM

ACC NR: AP6015665 (A) SOURCE CODE: UR/0413/66/000/009/0074/0074

33  
B

INVENTOR: Livshits, I. A.; Nerush, K. U.; Reykh, V. N.; Ryazantsev, K. P.;  
Salnis, K. Yu.; Stepanova, V. I.; Shlifer, D. I.

ORG: none

TITLE: Preparation of ethylene-propylene rubber. Class 39, No. 181285

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 74

TOPIC TAGS: rubber, ethylene propylene rubber, copolymerization

ABSTRACT: This Author Certificate introduces a method of preparing ethylene-propylene rubber by copolymerization of ethylene with propylene in an organic solvent at a temperature below 30C in the presence of a complex catalyst consisting of organometallic compounds of the I-III groups and salts of metals of variable valence of the IV--VIII groups. To extend the variety of organic solvents, chlorinated aliphatic hydrocarbons such as carbon tetrachloride, methylene chloride, dechloroethane, or ethyl chloride are suggested. [Translation]

[LD]

SUB CODE: 11/ SUBM DATE: 24Oct60/

Card 1/1 *877* UDC: 678.742.2-134.23



SHLIFER, L.I.

Corn is our wealth. Mekh. sil'. hosp. 14 no.5:3 My '63.  
(MIRA 16:10)

1. Predsedatel' kolkhoza "Zorya komunizmu", Novoarkhangel'skogo  
proizvodstvennogo upravleniya, Kirovogradskoy oblasti.

SHLIFSHTEYN, Ye.I.

Expansion of a steel plant in the Far East. Geog. v shkole  
no.3:1-4 My-Je '47. (MIRA 9:6)  
(Soviet Far East--Steel industry)

IA 29156

SHLIFSHTEYN, YE. I.

Jul/Aug 1947

USSR/Metals

Iron Ore Deposits  
Ore Deposits

"The Metallurgical Center and Iron Ore of the Kursk  
Magnetic Anomaly in the Fourth Five-Year Plan," Ye.  
I. Shlifshteyn, 3 pp

"Geog v Shkole" No 4

Fourth Five-Year Plan provides 70 million rubles for  
development of Kursk Magnet Anomaly (KMA). Article  
describes plans for new metallurgical plants and  
gives brief history of KMA. Over 50% of ore has been  
prospected and the large Lebedyansk tract contains  
60 - 70% iron. No other statistics. Small diagram  
of KMA.

29156

IC

SHLIFSHTEIN, E.I.

SHLIFSHTEIN, E.I. Kazakhskii peredel'nyi i metallurgicheskii zavody. (Geografiia v shkole, 1948, no. 1, p. 16.).  
DLC: Unclass.

SO: LC, Soviet Geography, Part II, 1951/Unclassified.