

KREINDLER, A.; IONESCU, I.; MESITES, D.; IONASDESCU, V.; GOLDENBERG, M.

Considerations on periarteritis nodosa (neurological aspects).

Rumanian M. Rev. 1 no.1:52 Jan-May 57.

(PERIARTERITIS NODOSA, compl.
polyneuritis)

(POLYNEURITIS, case reports
with periarteritis nodosa)

VOICULESCU, V.; VOINESCU, I.; GOLDENBERG, M.

Considerations on two cases of apraxia of the face, mouth and tongue. Rumanian M. Rev. 1 no.1:58-59 Jan-May 57.

(APRAXIA, case reports

face, mouth & tongue)

(FACE, dis.

apraxia in hemiparesis, with mouth & tongue apraxia)

(MOUTH, dis.

apraxia in hemiparesis, with face & tongue apraxia)

(TONGUE, dis.

apraxia in hemiparesis, with face & mouth apraxia)

(PARESIS, case reports

hemiparesis, with face, mouth & tongue apraxia)

USSR / Human and Animal Morphology, Normal and Pathologic -- Pathologic Anatomy S-7

Abs Jour: J. of Gen-Biol., No 13, 1958, 599A

Author : Voykulesku, V.; Voykulesku, I.; Goldenberg, H.

Inst : Not given

Title : Concerning Two Cases of Buccolingual Facial Apraxia

Orig Pub: Russk. med. obozrenie, 1957, No 1, 14-65 Per-
vod iz zh. "Neurol. psikiatr. si neurochirurg.,"
1956 No 1

abstract: No abstract

Card 1/1

GOL'DENBERG, M.A.

Reproduction of a syndrome of acrichine "psychosis" in animals.
Zhur. nerv. i psikh. 60 no. 2:175-181 '60. (MIRA 14:4)

1. Kafedra psikiatrii (zav. - prof. M.A. Gol'denberg) Novosibirskogo
meditsinskogo instituta.

(QUINACRINE—TOXICOLOGY) (PSYCHOSES)

USSR/Pharmacology, Pharmacology, Toxicology - Analgesics.

T-3

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 716/2

Author : Goldenberg, M.A., Shafranova, M.S.

Inst :

Title :

Habitual Use of Promedole

Orig Pub : Sov. Meditsina, 1956, No 11, 15-17

Abstract : The authors observed 9 patients; 5 of them took promedole (I) intermittently (few months), when morphine and opium was unobtainable; 4 patients used almost exclusively I in the course of 3 months to 2 years. Four patients used I intravenously up to 200 ml of 1 percent solution, which is 25 times larger than the daily subcutaneous dose; the remaining patients used (to 40 ml of 2 percent solution) subcutaneously or (to 0.25 g) internally. The patients consider one of I's drawbacks its shorter duration of effect as compared with morphine and pantopone. No difference in the type of reaction and its duration

Card 1/2

- 13 -

GOL'DENBERG, M. A., prof.

Reproduction of the "maniacal" syndrome in acrichine intoxication in animals. Trudy Novosib. gos. med. inst. 37:16-28 '61. (MIRA 15:6)

(QUINACRINE—TOXICOLOGY)
(MANIC-DEPRESSIVE PSYCHOSES)

GOL'DENBERG, M. A., prof.

Reproduction of a "twilight state" in acrichine intoxication
in animals. Trudy Novosib. gos. med. inst. 37:36-46 '61.
(MIRA 15:6)

(QUINACRINE--TOXICOLOGY) (PSYCHOSES)

GOL'DENBERG, M. A., prof.

Reproduction of "delirium" in acrichine intoxication in animals.
Trudy Novosib. gos. med. inst. 37:47-57 '61.

(MIRA 15:6)

(DELIRIUM) (QUINACRINE--TOXICOLOGY)

GOL'DENBERG, M. A., prof.

Experimental "catatonia" in animals in connection with acrichine
intoxication. Trudy Novosib. gos. med. inst. 37:58-64 '61.
(MIRA 15:6)

(QUINACRINE—TOXICOLOGY) (CATATONIA)

GOLDENBERG, M. A., prof.

Reproduction of "asthenia" in connection with acrichine intoxication in animals. Trudy Novosib. gos. med. inst. 37:67-70 '61. (MIRA 19:6)

(QUINACRINE—TOXICOLOGY) (ASTHENIA)

GOL'DENBERG, M. A., prof.

Acrichine "psychosis" in animals; its general characteristics.
Trudy Nervosib. gos. med. inst. 37:71-91 '61. (MIRA 15:6)

(PSYCHOSES) (QUINACRINE--TOXICOLOGY)

GOL'DENBERG, M. A., prof.; KOROLENKO, TS. P., assistant

Vegetative disorders in acrichine "psychosis" in animals. Study
Novosib. gos. med. inst. 37:102-108 '61. (MIRA 1966)

(QUINACRINE---TOXICOLOGY) (PSYCHOSES)
(NERVOUS SYSTEM, AUTONOMIC---DISEASES)

GOL'DENBERG, M. A., prof.; KOROLENKO, TS. P., assistant

Some indices of carbohydrate metabolism in acrichine "psychosis"
in animals. Trudy Novosib. gos. med. inst. 37:135-139 '61.
(MIRA 15:6)

(QUINACRINE—TOXICOLOGY)
(CARBOHYDRATE METABOLISM)
(PSYCHOSES)

GOL'DENBERG, M. A., prof.; PRILENSKIY, Yu. F., assistant; KOROLEMKO,
TS. P., assistant; TIMOFEYEVA, A. S., assistant

Some problems of somatic disorders and of the pathogenesis of
acrichine "psychosis" in animals. Trudy Novosib. gos. med. inst.
37:203-219 '61. (MIRA 15:6)

(PSYCHOSES) (QUINACRINE--TOXICOLOGY)

39202

S 246 62-062 002-005 006

1015 1215

AUTHOR: Gol'denberg, M. A.

TITLE: Occurrence of maniac syndrome during tofranil treatment

PERIODICAL: Zhurnal nevropatologii i psikiatrii imeni S. S. Korsakov, v. 62, no. 2, 1962, 210-213

TEXT: A maniac syndrome, mainly of the hypomanic type, may occur during tofranil treatment, not because of endogenous factors, but in direct relation with the drug. The author reports observations on 11 patients and discusses the history of 33 more patients treated with tofranil. The tofranil-induced maniac syndrome is a well-established fact, since it occurred in schizophrenic patients with hallucinatory-paranoid syndromes as well as in paranoid-katatonic-depressive patients, i.e. in cases in which manias usually were absent. A "maniac state" in dogs was provoked by adding, for several days, relatively large doses of tofranil to their food. The maniac syndrome induced by tofranil may serve as a model for the study of pathogenesis of manias in man. The prognosis was better in cases in which remission was preceded by a maniac state, but this statement requires further study.

ASSOCIATION: Kafedra psikiatrii (zav.: prof. M. A. Gol'denberg) Novosibirskogo meditsinskogo instituta (Chair of Psychiatry, directed by Prof. M. A. Gol'denberg, Medical Institute, Novosibirsk)

SUBMITTED: July 11, 1961

Card 1 1

GOL'DENBERG, M.A.

Reproduction of "psychopathological" syndromes in animals in connection with tofranil intoxication. Zhur. nevr. i psikh. 62 no.12:1799-1805 '62 (MIRA 16:11)

1. Kafedra psikhatrii (zav. - prof. M.A. Goldenberg) K vostochno-sibirskogo meditsinskogo Instituta.

*

GOL'DENBERG, M.A.; KOROJENKO, TS.P.

Alcoholic "psychopathological" syndromes in experimental animals.
Zhur.nevr. i psikh. 63 no.12:1861-1866 '63.

(MIRA 18 11)

1. Kafedra psikhiiatrii (zav. - prof. M.A.Gol'denberg) Novosibir-
skogo meditsinskogo instituta.

GOL'DENBERG, M.A., prof. (Novosibirsk)

"Mental disorders in organic diseases of the brain" by A.L. Agashev-Konstantinovskii. Reviewed by M.A. Gol'denberg. Vrach. delo no.10: 154 0 '61. (MIRA 14:12)

(BRAIN--DISEASES) (MENTAL ILLNESS)
(AGASHEV-KONSTANTINOVSKII, A.L.)

GOL'DENBERG, M.K., inzhener.

New enterprises of the woolen industry. Tekst.prom. 14 no.8:14-16
Ag '54. (MLRA 7:10)
(Woolen and worsted manufacture)

KHRUSHCHEV, Grigoriy Grigor'yevich; GOL'DENBERG, M.K., rezensent;
LIOZNOV, A.G., redaktor; MEDVEDEVA, L.A., tekhnicheskii redaktor

[Ritter Company machine for combing wool] Mashina firmy Ritter
dlia grebnogo priedenia shersti. Moskva, Gos.nauchno-tekhn.
izd-vo M-va legkoi promyshl. SSSR, 1957. 74 p. (MIRA 10:9)
(Combing machines)

LIPENKOV, Yakov Yakovlevich; GOL'DENBERG, M.K., retsenznet; SEGAL', N.M.,
red.; KHAKNIN, M.T., tekhn.red.

[Comb spinning of wool] Grebennoe prischenie shersti. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1957. 396 p.
(MIRA 11:5)

(Woolen and worsted manufacture)

GOLDENBERG, M.I.

Electron anemometer, Prady Len. gidromet, Inct. no. 150
191-195 '63, (MIRA 1711)

SMELOV, N.S.; YEGOROV, G.I.; KOKOLIN, A.I.; KSANFOPULO, P.I.; RAKEMANOVA, N.V.;
KRYLOVA, Ye.Ye.; RYZOVA, L.K.; PER, M.I.; PETRUSHEVSKIY, S.I.; PUSTOTAYA,
A.I.; TUNGSKOVA, A.I.; VELICHKO, Ye.V.; PLAVIT, P.Ya.; GOL'DENBERG, M.M.

Evaluation of results of the treatment of early syphilis according
to 1949 scheme. Vest. vener., Moskva No.1:29-33 Jan-Feb 52. (GIML 21:4)

1. Professor for Smelov and Per. 2. Central Skin-Venerological Institute
(Director--M.M. Turanov) for Smelov, Yegorov, Sokolin, Ksanfopulo,
Rakhmanova, Krylova and Rykov; Hospital imeni Korolenko (Head Physician
Docent V.P. Volkov) for Per, Petrushevskiy; First Venerological Dis-
pensary (Head Physician--K.A. Vinogradova) for Pustovaya and Tunguskova);
Second Venerological Dispensary (Head Physician--V.G. Brenshteyn) for
Velichko, Plavit and Gol'denberg.

PASHKOV, B.M.; KARACHEVTSEVA, V.N.; ROBUSTOV, G.V.; KHAMAGANOVA, A.V.; ANDROSOVA, A.A.; BELYAKOVA, A.G.; GENKINA, G.B.; ZATURENSKAYA, P.O.; VYMEKAYEVA, M.A.; GOL'DENBERG, M.M.; BOLDYREVA, A.M.; TURANOV, N.M., kandidat meditsinskikh nauk, direktor; BRONSHTEYN, V.G., kandidat meditsinskikh nauk, zaveduyushchiy; VINOGRADOVA, K.A., zaveduyushchaya.

Results of the treatment of syphilis in children according to the 1949 program of the Ministry of Health of USSR; preliminary communication. Vest. ven.i derm. no.2:28-34 Mr-Apr '53. (MLRA 6:5)

1. Tsentral'nyy kozhno-venerologicheskiy institut (for Pashkov, Karachevtseva, Robustov, Khamaganova, Turanov). 2. Bol'nitsa imeni Korolenko (for Androsova, Belyakova, Genkina, Zaturenskaya). 3. Vtoroy Moskovskiy vendispanser (for Vymekayeva, Gol'denberg, Bronshteyn). 4. Pervy vendispanser (for Boldyreva, Vinogradova). (Syphilis) (Penicillin--Therapeutic use)

GOLDENBERG, M.M.

ROZENTUL, M.A., professor; VASIL'YEV, T.V., kand. med. nauk; SKOLIN, A.I., kand.med.nauk; RAKHMANOVA, N.V., nauchn.sotr.; PRIGEVICH, L.V., nauchn.sotr.; ZLATKINA, A.R., nauchn.sotr.; ARNOL'D, V.A., vrach; PETRUSHEVSKIY, S.I., vrach; PLAVIT, P.Ya., vrach; VELICKHO, E.V., vrach; GLOBUS, R.E., vrach; GOL'DENBERG, M.M., vrach; TUNGUSKOVA, A.I., vrach

Results of treating syphilis according to the 1949-1951 programs. Vest. ven. i derm. no.1:22-25 Ja-F '55. (MIRA 8:4)

1. Bol'nitsa im. Korolenko (for Arnol'd, Petrushevskiy) 2. 1-y i 2-y kozhno-venerologicheskiye dispansery (for Plavit, Velichko, Globus, Gol'denberg, Tunguskova) 3. Iz otdela sifilidologii (zaveduyushchiy professor M.A.Rozentul) Tsentral'nogo kozhno-venerologicheskogo instituta (direktor -- kandidat meditsinskikh nauk N.M.Turanov) Ministerstva zdravookhraneniya SSSR.

(SYPHILIS, therapy
in Russia, pattern of ther.)

GOL'DENBERG, M. N. (Tula)

Pneumoconioses in the Moscow Basin. Gig. truda i prof. zab.
no. 3: 34-38 '62. (MIRA 15:4)

1. Tul'skiy oblastnoy protivotuberkuleznyy dispanser.

(MOSCOW BASIN--LUNGS--DUST DISEASES)

MEL'NICHENKO, Ye.L.; KAGAN, I.S.; GOL'DENBERG, M.Ya.; KAMNEVA, Z.P.;
SIZOVA, A.G.

Flow diagram of the manufacture of fruit juices. Kons. i ov.prom.
15 no.11:14-15 N '60. (MIRA 13:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservatsiy promysh-
lennosti.

(Fruit juices)

GOLDENBERG, M. Yu.

[Therapeutics effectiveness of Borislav ozocerite in the treatment of
some diseases of the skin] Terapevticheskaja effektivnost'
borislavskogo ozokerita-syrtsa pri lechenii nekotorykh boleznei kozhi.
Lvov, 1955. 14 p. (MIRA 11:5)
(OZOCERITE) (SKIN--DISEASES)

USSR/Pharmacology, Toxicology. Various Preparations

V-6

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 23389

Author : Varshavskaja M.N., Goldenberg M. Iu., Faer, Iu.I.

Inst : Not Given

Title : Regarding Therapeutic Properties of Citral in Some Dermatoses.

Orig Pub : Vrachebn. dyelo, 1957, No 3, 295-296

Abstract : Thirty nine patients suffering from various forms of eczema were treated with an ointment, containing 0.25-1% of citral. The more acute the process, the less citral was contained in the ointment. The ointment was prepared on a base consisting of 40 parts of paraffin, 10 parts of lanolin and 50 parts of vaseline. A therapeutic effect was observed in 29 patients.

Card : 1/1

GOL'DENBERG, M.Yu., kand.med.nauk (Drogobych, ul. Krasnoarmeyskaya, d.38a)

Treatment of slow-healing ulcers of the shin with Borislav ozocerite dressings. Nov.khir.arkh. no.6:125-128 N-D '58. (MIRA 12:3)

1. Drogobychskiy oblastnoy kozhno-venerologicheskly dispensar.
(LEG--ULCERS)
(OZOCERITE--THERAPEUTIC USE)

SHTEYNBERG, M.A.; FAYER, Yu.I.; GOL'DENBERG, M.Yu.

Use of prednisone ointment in the treatment of some dermatoses.

Vrach. delo no.9:109 S '61.

(MIRA 11:12)

1. Drogobychskiy kozhko-venerologicheskiy dispanser (nauchnyy rukovoditel' - professor M.A.Shteynberg).

(SKIN--DISEASES)

(BREGRADISHEDICINE)

GOL'DENBERG, M. Yu.

Ozocerite treatment of epididymitis. Urologia 26 no.1:66-67 1961.

(MIRA 14:3)

(EPIDIDYMITIS--DISEASES)

(OZOCERITE--THERAPEUTIC USE)

SHTEYNBERG, M.A.; FAYER, Yu.I.; GOL'DENBERG, M.Yu.

Structure and dynamics of the incidence of skin diseases data from the Drogobych Dermatovenereological Clinic collected during 10 years. Vest.derm.i ven. 35 no.1:68-72 Ja '61. (MIRA 14:3)

1. Iz Drogobychskogo kozhno-venerologicheskogo dispansera (glavnyy vrach - kand.med.nauk M.Yu. Gol'denberg, nauchnyy rukovoditel' - prof. M.A. Shteynberg).
(DROGOBYCH---SKIN---DISEASES)

GOL'DENBERG, N. Yu., kand. med. nauk; FAYER, Yu. I., vrach (Drogobych)

Incidence of skin diseases among the rural population. Sovet.
zdravookhr. 5:37-40'63 (MIRA 17:2)

1. Iz Drogobychskogo mezhrayonnogo kozhno-venerologicheskogo
dispansera.

GOLDENBERG, H., conf.; BLUM, M., dr.; OSTAP, B., dr.; ABREKH, V., dr.

Gastric and duodenal ulcers: are they 2 different diseases? Med.
intern 15 no 2:153 16 F 68

1. Clinica medicala Spitalul "S.I.Parhon", Iasi (director: conf.
H. Goldenberg)

(STOMACH ULCER)

(DUODENAL ULCER)

EXCERPTA MEDICA Sec.18 Vol.1/2 Cardiovascular feb 57

440. GOLDENBERG N. and ZONENREICH O. Cu privire la un caz de fibrilatie ventriculara paroxistica *A case of paroxysmal ventricular fibrillation* Med. intern. (Bucharest) 1956, 8/3 (431—434) Illus. 5

The authors present a case of paroxysmal fibrillation, with an Adam-Stokes syndrome, showing that the A-V dissociation is not the only cause in the onset of this syndrome.

WOMEN, Human and Individual - Army - General -

the Journal of Ref. Jour - Ref. Jour - No. 4, 1978, 1978

Psychosocial evolution plays a significant role in the etiology and pathogenesis of hypertensive disease. It is necessary to employ videometric sphygmographic measure and periodically to measure the blood pressure of all individuals over 30 years of age. Establishment of early diagnosis and providing regular and timely clinical treatment of patients are of prime importance.

GOLDENBERG, N.; IANCOV, B.

Plastic materials based on furfural and its derivatives. III. Effect of technologic conditions in obtaining powders pressed with furfural phenolic resin upon fluidity. p. 281. Academia Republicii Populare Romine. STUDII DE TERCEAZI DE CHIMIE. Bucuresti. Vol. 3, no. 1/2, July/Dec. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

RUMANIA/Chemical Technology - Chemical Products and Their Application, Part 4. - Synthetic Polymers, Plastics. H-29

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48729

Author : I. Imescu, V. Calcan, N. Goldenberg

Inst : -

Title : Plastics Based on Furfural and Its Derivatives. IV. Effect of Thermal Treatment on Mechanical Strength of Textolite Based on Furfural Resin.

Orig Pub : Studii si cercetari nec. apl., 1957, 8, No 1, 171-187

Abstract : The thermal treatment of textolite (produced by impregnating cotton cloth with a resin solution of a temperature of dropping according to Ubbelohde of 108 to 110° and by pressing at 160° and keeping it 4 min. per mm under the pressure of 100 kg per sq.cm) in a certain temperature range and duration increases the limits of compression strength (CS), of static bending strength

Card 1/2

SECRET

CONFIDENTIAL

SECRET

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RUMANIA/Chemical Technology. Chemical Products and Their
Application. Synthetic Polymers. Plastics.

ii

Abstr Jour: Ref Zhur-Khim., No 13, 1958, 45065.

Author : Goldenberg N., Lucescu S.
Inst :
Title : Typification of Phenolic Molding Materials.

Orig Pub: Standardizarea, 1957, 9, No 7, 330-337.

Abstract: Principles of typification of phenolic molding materials (PM). A survey of standardized PM in USSR, USA, France and Germany, and considerations concerning typification of PM in Rumanian People's Republic.

Card : 1/1

15(8)

RUM, 3-59-10-12/16

AUTHORS: Goldenberg, N., Engineer; Cornilescu, D., Engineer;
Kornbaum, S., Engineer and Panaiotovici, M.,
Engineer

TITLE: Conditions of Processing and Properties of
"Altena" Polyethylene

PERIODICAL: Revista de Chimie, 1959, Vol 10, Nr 10. pp 596-601

ABSTRACT: "Altena" is the name of a product at a pilot sta-
tion of the ICECHIM Plant where a polymer of
ethylene is obtained at a low pressure, "aluminum
alkyl" being used as a catalyst. The characteris-
tics of the polymer obtained normally differ
according to the conditions in which synthesis
took place. This article shows a few aspects and
characteristics of "Altena" which is processed by
injection, extrusion and pressing and has been
tested by the Plastic Materials Section of the
Institutul de Cercetări Chimice (Chemical Research
Institute) - ICECHIM - in Bucharest. The main

Card 1/3

RUM/3-59-10-12/16

Conditions of Processing and Properties of "Altena" Polyethylene

objects were: a) Identification of polymers from synthesis by their principal characteristics; b) establishing various possibilities for the use of these polymers; and c) finding the optimum conditions for processing these polymers by injection, extrusion and pressing. "Altena" plates are used for manufacturing chemical equipment. They can be made from a single type of polymer or from a mixture of types; the latter cannot be used since their molecular weight is either too small or too great. Materials now considered unsuitable can possibly be used for extrusion and injection. Industrial equipment has been successfully tested at the Bucharest Plastic Materials Laboratory and at the ICECHIM plant. "Altena" products are similar to foreign products like the "Hostalen" foreign polymer shown in table 2. The domestic polymer "Altena" can be used successfully in Rumania

Card 2/3

RUM/3-59-10-12/16

Conditions of Processing and Properties of "Altena" Poly-
ethylene

to replace similar imported products. The darker
color which is presently characteristic of "Altena" ✓
does not make a great difference since quality
alone plays the important role.
There are 19 graphs, 3 diagrams and 2 tables.

Card 3/3

GOLDENBERG, N.

SC7, 4982

International symposium on macromolecular chemistry, Moscow, 1960.

Mezhdunarodnyy simpozium po makromolekulyarnoy khimii SSSR, Moskva, 14-18 iyunya 1960 g.; doklady i avtoreferaty. Sektsiya I. (International Symposium on Macromolecular Chemistry Held in Moscow, June 14-18, 1960; Papers and Summaries. Section I.) [Moscow, Izd-vo AN SSSR, 1960] 346 p. 5,400 copies printed.

Sponsoring Agency: The International Union of Pure and Applied Chemistry, Commission on Macromolecular Chemistry

Tech. Ed.: T. V. Polyakova.

PURPOSE: This collection of articles is intended for chemists and researchers interested in macromolecular chemistry.

COVERAGE: This is Section I of a multivolume work containing scientific papers on macromolecular chemistry in Moscow. The material includes data on the synthesis and properties of polymers, and on the processes of polymerization,

Card 1/9

International Symposium (Cont.)

SCV 4982

copolymerization, polycondensation, and polyrecombination. Each text is presented in full or summarized in French, English, and Russian. There are 47 papers, 28 of which were presented by Soviet, Rumanian, Hungarian, and Czechoslovakian scientists. No personalities are mentioned. References accompany individual articles.

TABLE OF CONTENTS:

Pino, P., G. P. Lorenzi, and L. Lardicci (Italy). Isotactic Polymers of Optically Active α -Olefins	5
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Card 2/9

R/003/60/011/010/001/003
A125/A02C

AUTHOR Goldenberg, N., Engineer

TITLE Aspects of the Plastics Industry Within the Six-Year Plan and Its Importance for the National Economy

PERIODICAL Revista de Chimie, 1960, Vol. 11, No. 10, pp. 557-562

TEXT After briefly mentioning the development of the Rumanian plastics industry and listing the plants which at present produce plastic materials, the author presents a few details on future plans regarding the production of plastics. In 1959, Rumania produced 6,600 t of plastic materials and synthetic resins, but an output of 95,000 t is planned for 1965. This includes 42,000 t of PVC, polyolefines especially polyethylene, 5,000 t of polystyrenes and copolymers, melon, polyurethane, 2,000 t of resins on the basis of melamine, urea and formaldehyde, 1,000 t of nonsaturated polyesters, epoxy resins, phenoplasts, etc. In order to achieve this production volume, new chemical plants for the production and processing of plastics will be built. The Combinatul chimic (Chemical Combinat) in Borzești - Onești was constructed with the help of the USSR. The Combine will produce 36,000 t of PVC, copolymers, and intermediary, respectively auxiliary products for the plastics industry. The majority of the 42,000 t of PVC to be produced will be processed in the Borzești plant.

Card 1/2

88097

R/003/60/011/C11/004/007
A124/A025

18 7400

AUTHORS: Goldenberg, N., Cosma, E., Engineers

TITLE: Method of Coating Metal Surfaces by Sintering Polyethane Powder in Fluidized Bed

PERIODICAL: Revista de Chimie, 1960, Vol. 11, No. 11, pp. 653 - 657

TEXT: Subject article deals with the protection of metal surfaces against corrosion by coating them with a thin plastic layer. Polyethane proved to be highly resistant against various corroding agents. The best way of application is the sintering of polyethane powder in fluidized bed. This method consists in immersing the preheated metal part in the fluidized polyethane powder, removing the excess powder, and finally applying thermal treatment to obtain a uniform distribution of the polyethane coating. Experiments have been conducted in order to produce a protective coating of a low-pressure Rumanian polyethane. The metal parts have been preheated to 250°C, 280°C and 300°C. Non-preheated air has been used as fluidizing agent. Preheated air of 90°C did not supply better results. The immersion time ranged between 3 - 10 sec. The temperature of the thermal treatment performed in order to obtain a uniform distribution was kept 20 - 30°C below the preheating

Card 1/3

89097

R/003/50/011/011/004/007
A124/A026

Method of Coating Metal Surfaces by Sintering Polyethane Powder in Fluidized Bed

temperature, the treatment itself lasted for 1 - 3 min. The fluidizing vessel consisted of a cylindrical container, 200 mm high, 100 mm in diameter, having at the bottom a glass plate with pores 50μ in diameter each. This plate serves for the dispersion of the fluidizing agent in the polyethane bed. The air inlet nozzle between the bottom and the glass plate had a diameter of 12 mm. The powder has been fluidized with compressed air and the thermal treatment has been accomplished in a common laboratory drier with automatic temperature control. The polyethane had a fluidity index of 0.6 - 0.7 g/10 min and particles ranging between 0.07 and 0.1 mm. Before being used, the polyethane powder had been dried for 24 hrs at 60°C. The parts were made of 0.5 - 3 mm soft sheet metal. They have been degreased in a 1:1 toluene-acetone mixture and pickled in a 50% sulphuric acid solution. In order to establish the best operation, several preliminary experiments have been conducted. The preheating temperature has a direct effect on the thickness of the coating. The coating is transparent and bright, it is very elastic, and has a perfect adherence. It is resistant to 50% sulphuric acid, 37% hydrochloric acid, 85% phosphoric acid, 50% sodium hydroxide, etc. Good results were obtained in the Laboratorul de Incercare și Prelucrare a Materialelor Plastice (Laboratory for Test-

Card 2/3

GOLDENBERG, N.

Discussion of the methods of investigating and testing the physico-mechanical properties of plastics. Zav.lab. 26 no. 121384-1386 '60. (MIRA 13:12)

1. Nauchno-issledovatel'skiy khimicheskiy institut ICHEKHIM, Bukharest [Chemical Research Institute of the Ministry of Petroleum and Chemical Industry . Bucharest, Romania]. (Plastics--Testing)

GOLDENBERG, N., dotsent; OSTAP, B.

Clinical and therapeutic observations concerning chronic segmental nonspecific enteritis. *Therap. arkh.* 34 no.2:90-96 '62.

(MIRA 15:3)

1. Iz terapevticheskoy kliniki (dir. .. dotsent N. Gol'denberg),
bol'nitsy imeni K. Parkhona, Yasskogo meditsinskogo instituta.
(INTESTINES--DISEASES)

GOLDBERG, N.

ROBIA

Rumania

MD, Lecturer

Medical Clinic of the "C. I. Parhon" Hospital (Clinica Medicală
a Spitalului "C. I. Parhon"), Iasi

Bucharest, Viata Medicală, No 2, 15 Jan 63, pp 89-100.

"Recent Aspects in Nephrology."

Co-author:

BLUM, M., MD, Medical Clinic of the "C. I. Parhon" Hospital, Iasi.

ACCESSION NR: AP3001580

S/0191/63/000/005/0029/0032

AUTHOR: Gol'denberg, N. (Bucharest)

TITLE: Evaluation of the possibility of reprocessing polycarbonates

SOURCE: Plasticheskiye massy, no. 6, 1963, 29-32

TOPIC TAGS: reprocessing polycarbonates, polycarbonates, index of fusion

ABSTRACT: It was determined that the index of fusion is a direct and easy guide in evaluating the possibility of processing polycarbonates. Polymers with an index between 0.8 and 3 gm/10 min. can be processed under normal conditions, i.e. extruded or molded under pressure. If the index is below 0.8, the polymer is worked with difficulty, if at all. If the index is higher than 3, the material is too brittle. However, polymers of extreme fusion indexes can be mixed to give an index in the desired range, forming products which can be processed at normal conditions and which have high mechanical property values. Orig. art. has: 5 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00
Card 1/2

DATE ACQ: 01Jul63

ENCL: 00

ACCESSION NR: AP3001580

SUB CODE: 00

NO REF SOV: 001

OTHER: 004

Card 2/2

L 17203-63

EWP(J)/EWP(q)/BDS

AFPTC/ASD

Pc-4

RM/WH

ACCESSION NR: AP3005754

R/0003/63/012/006/0341/0345

AUTHOR: Goldenberg, N.; Cosma, E.

60

TITLE: The chromoplastic materials -- a new type of materials used to study the behavior of constructions by means of model tests

SOURCE: Revista de chimie, V. 14, No. 6, 1963, 341-345

TOPIC TAGS: CSDP-30 chromoplastic material, plastic deformation

ABSTRACT: The purpose of the work was to study the properties of chromoplastic materials, particularly CSDP-30 [not further identified]. The physical-mechanical properties of the substance are given in tabular form, as are the values relating to its tearing behavior and resistance to various stresses. In all these compounds, the appearance of color marks the beginning of plastic deformation. The value at which the color-chromoplastic effect appears depends on concrete test conditions, as shown in a table and several figures. The tests of CSDP-30 at 22°C showed that at application speeds below 66 mm/min, elongation is more pronounced and resistance to breaking is smaller, while the effect appears earlier; above 60 mm/min, elongation declines and resistance to breaking increases. The appearance of the chromoplastic phenomenon is also related to the test temperature.

Card 1/2

L 17203-63
ACCESSION NR: AP3005754

Various hypotheses are advanced to explain the chromoplastic phenomenon. The usefulness of the phenomenon lies in its indication of the appearance of plastic articulations and plastifying zones by means of color changes. The theoretical advantages lies in the determination of the behavior of the resistance systems and of the secondary phenomena and in the obtaining of concrete indications instead of hypotheses and mathematically calculated results. Orig. art. has: 5 figures and 4 tables.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 14 Aug 63

ENCL: 00

SUB CODE: CH, MA

NO REF SOV: 000

OTHER: 009

Card 2/2

GOLDENBERG, N., ing.; KOIANGIU, T., ing.

Obtaining polyethylene bars with a large diameter by discontinuous
extrusion on machines with small diameter. Rev chimie Min petr
12 no.7:403-406 J1 '61.

GOLDENBERG, N. (Bucharest)

Evaluation of the possibilities of treating polycarbonates. Plast.
massy no.6:29-32 '63. (MIRA 16:10)

GOLDENBERG, N.; COSMA, E.

Chromoplastic material, a few type of materials used to study
the behavior of constructions by model tests. Rev. Ing. Min. petr.
14 no. 08341-345 Jo 163.

NEITESCU, C.D.; HUGH, Ciresica; DAUCIU, E.; ALEXANDRESCU, E.; GOLDEBERG, N.
BOIANCIU, I.

The AS Polyethylene. Rev chimie Min petr 14 no. 11/12:623-631
N-D'63.

GOLDENBERG, N.; CASSETTI, M.; BLUM, M.; DIMITRIU, I.; COVIC, Maria;
MARCULESCU, Cristina; ABABEI, Viorica

Ionograms of normal and pathological gastric juice. Stud.
cercet. med. intern. 5 no.5:513-525 '64.

1. Clinica medicala, Spitalul "C.I. Parhon" (for Goldenberg,
Gasetti, Blum, Dimitriu, Covic). 2. Laboratorul de biochimie,
Spitalul "C.I. Parhon" (for Marculescu, Ababei).

[Faint, illegible text, possibly a list or table]

BOIANGIU, T.; GOLDENBERG, N.

Rigid compounds made of polyvinyl chloride with acrylonitrile
butadiene rubber. Rev chimie Min petr 13 no.8:465-470
Ag '62.

USSR/Chemistry - Additives Depressing
Congelation Point May/June 51

"Effect of Surface-Active Additives on the Crystallization of n-Paraffins," N. G. Gol'denberg, T. P. Zhuze, Div of Dispersed Systems, Inst Phys Chem, Acad Sci USSR

"Kolloida Zhur" Vol XIII, No 3, pp 175-181

Microphotos taken on cooling of n-paraffins C₂₂H₄₆, C₂₆H₅₄, C₃₀H₆₂, C₃₄H₇₀ in different solvents with and without admixts of straight or branched chain surface-active compts of different mol wts showed:

ID 18317

USSR/Chemistry - Additives Depressing May/June 51
Congelation Point (Cont'd)

- (1) Solvents have no effect on crystn. (2) Without additives, there is crystn into fine plates--more regular (rhombic) in case of C₃₀ and C₃₄ n-paraffins.
- (3) Only branched chain additives with high mol wt (800-1,000) radically affect cryst structure, inducing formation of modified (needle) crystals with increased deg of dispersion.

ID 18317

"Condensation of Water Vapor on Hydrophobized Cooling Surfaces," S. Ya. Beyler, P. A. Rebinder, and N. L. Goldenberg, Bull acad sci USSR, Classe sci Tech 1946, pp 1491-5.
(SEE: Inst. Insect/Fung. in Yu. V. Samoylov)

SO: U-237/49, 8 April 1949

GOL'DENBERG, N. L.

USSR/Chemistry - Emulsions
Chemistry - Phases

Jan 1947

"A Study of the Process of the Reversion of Phases in Emulsions," P. A. Rebinder, G. A. Ab, N. L. Gol'denberg, Section for Dispersed Systems, Institute of Physical Chemistry, Academy of Sciences of the USSR, 6 pp

"Kolloidnyy Zhurnal" Vol IX, No1

The study of the self-formed particulars of the process of reversion of phases in emulsions, i.e., the transformation of a emulsion of one type, e.g., a reverse emulsion of water in oil (W/O), into a direct emulsion of the type (O/W) or oil in water. Data obtained was in agreement with the principles expressed by Finkle, Draper, and Hildebrand with regard to the characteristic of soaps-potassium, sodium to emulsify oil in water.

PA 34T6

GOLOSBERG

Jan

3

2 may

194. *Nauchno-Tekhnicheskoe Sostoyaniye i Perspektivy Razvitiya Tekhnicheskoy Korrozii v Khimicheskoy Promyshlennosti 15-18 Iyulya 1958. (On metallic corrosion-resistant materials and coating)*

Scientific and technological conference on combating corrosion in the chemical industry, 15-18 July 1958. A. L. GOLOSBERG and E. V. POLYAKOV, editors. U.S.S.R., Vsesoyuznoye Nauchnoye Issledovaniye Tekhnicheskoye Obshchestvo Mashinostroyeniya i Kharakteristiki (VNIIO Remontnaya), Leningrad: Goskhimizdat, 1958, pp. 143. This volume contains the proceedings of a conference convened by Goskhimizdat and the Leningrad section of VNIIO, including: I. Ya. Kilmov on Alloys; A. L. Labzin on polyethylene-based anti-corrosion materials; G. S. Brodskiy on chemically resistant plastics and their properties; N. Ya. Golosberg on abrasion-resistant bitumen; and V. N. Zakotov on anti-corrosion paints based on Bitol.

AM

ALIKHETEV, S.N.; AMTSHIN, V.A.; ANTONOV, V.S.; BALALAYEV, G.A.,
Inzh.; VOLOGIN, V.Ye.; GOLDBERG, E.L.; GORINA, E.S.;
GOFEN, B.A.; KASHIN, E.Ye.; DERESHNEVICH, Yu.V.;
DOBROVENKOV, I.M.; KLINOV, I.Ya., doktor tekhn. nauk, prof.;
LEVAIKH, V.E.; LETOHIN, E.V.; MOLOKANOV, A.V., dots.;
NOGIN, A.Ya.; PAKHONOV, N.M.; PRIGOSAVITSBAYA, Ye.A.;
ROGOV, I.V.; CHAPLITSKIY, L.A.; TSEYTLIN, A.S.; STRAVITS, P.K.;
OSHCHEVSKIY, N.A., doktor tekhn. nauk, prof., red.;
PEREVALOV, E.V., red. izd-va; TRUKHA, Ye.L., tekhn. red.

[Corrosion protection in the construction of industrial
buildings] Zashchita ot korrozii v promyshlennom stroit 1'-
stve. Moskva, Gosstroizdat, 1963. 406 p. (MIRA 16:12)

(Corrosion and anticorrosives)
(Industrial buildings)

L 52096-65 EPF(c)/HPR/EWT(m)/EWP(j)/T/EWP(w) Pp-4/Pr-4/Ps-4 RM/WT
ACCESSION NR: AP5015265 UR/0286/65/000/009/0047/0047

AUTHORS: Pakhomov, N. M.; Garber, Yu. I.; Gol'denberg, N. L.; Brat, T. V.

TITLE: A method for obtaining coatings. Class 22, No. 170597

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 47

TOPIC TAGS: metal coating, concrete / arsanite, FR 12 cement

ABSTRACT: This Author Certificate presents a method for obtaining arsanite-based coatings on metallic or concrete surfaces. To improve the adhesion of the coatings to metal and concrete, arsanite is spread over a layer of cement FR-12.

ASSOCIATION: none

SUBMITTED: 27Jul63

ENCL: 00

SUB CODE: IS,MM

NO REF SOV: 000

OTHER: 000

FR-12=Plastic glue

Card 1/1

GOL'DENBERG, P.

Device for sharpening cultivator shares. Tekh. v sel'khoz.
20 no.7:88-89 J1 '60. (MIRA 13:9)

1. Glavnyy inzhener Kzyl-Orlinskogo oblastnogo upravleniya
sel'skogo khozyaystva.
(Cultivators--Maintenance and repair)

YERMAKOV, V.S.; KLOCHKOV, I.M.; CHIZHOV, D.G.; KOSTEV, G.I.; LATRENN-
KO, K.D.; NEKRASOV, A.M.; SPIRIN, S.A.; VESELOV, N.D.; KOTILEVSKIY, D.G.;
SMIRNOV, G.V.; MARINOV, A.M.; MAKSIMOV, A.A.; IVANOV, M.I.; NEMOV, A.P.;
CHUPRAKOV, N.M.; AVTONOMOV, B.V.; SYROMYATNIKOV, I.A.; MOLOKHANOV, S.I.;
FAERMAN, S.TS.; GORSHKOV, A.S.; GOL'DENBERG, P.S.; SOKOLOV, B.M.; MA-
KUSHKIN, Ya.G.; MKHITARYAN, S.G.; RASSADNIKOV, Yb.I.; GRUDINSKIY, P.G.;
FOMICHEV, G.I.; SHCHERBININ, B.V.; ZAYTSEV, V.I.; KOKOREV, S.V.; KLYU-
SHIN, M.P.; PESCHANSKIY, V.I.; SAFRAZBEKIAN, G.S.; i dr...

IUrii Prokhorovich Komissarov; obituary. Elek.sta. 25 no.5:60 My '54.
(Komissarov, IUrii Prokhorovich, 1910-1954) (MLRA 7:6)

AUTHOR: Gol'denberg, P.S., Engineer SOV/66-72-5-24/27

TITLE: 25 Years of the Work of ORGRES in Power Engineering
(25 let raboty ORGRES v teploenergetike)

PERIODICAL: Teploenergetika, 1958, Nr 5, pp 89 - 91 (USSR).

ABSTRACT: By 1933, a number of large regional power stations had been built. In order to solve the problems associated with the starting-up, adjustment and improvement of new and existing power equipment, the Commissariat for Heavy Industry, in May 1933, organized the State Trust for the Organization and Efficiency of Regional Electric Power Stations and Systems (ORGRES). In the 25 years of its existence, ORGRES has done a great deal towards the development of Soviet power engineering. Its staff assist operating staff in the commissioning of equipment after erection, draw up working instructions, and train operating staff. ORGRES also helped to develop new techniques in thermal and electrical power engineering. For these purposes, they have a number of laboratories and also make use of power-station operating experience.

At present, in addition to the central organization in Moscow, ORGRES has four divisions, each working on a single theme:

Card 1/5

007/00-55-5-24/27

25 Years of the Work of ORGRES in Power Engineering

the Donets' in Gorlovka, the Southern in Il'vov, the Ural in Sverdlovsk and the Siberian in Novosibirsk. The main achievements of the divisions of ORGRES are then briefly recalled in the following paragraphs.

Boiler installations. In 25 years, ORGRES has helped to start up and adjust more than 350 boilers. Working conditions for drum-type ball mills were worked out in 1934-35. Later, study was made of ball-mill operation and construction to obtain the best results. Experience was accumulated with shaft-mill furnaces and a successful burner was developed for anthracite dust.

ORGRES first applied liquid slag-removal in 1930. The physical and chemical properties of slags were studied. Forced- and induced-draught fans were modernised on the basis of efficient centrifugal fans developed by the TsAGI (Central Aerohydrodynamic Institute). The ceramic laboratory has also worked on furnace linings.

With the introduction of high-output boilers, difficulties were experienced in obtaining steam of satisfactory quality and work was done on the design and operation of water purification equipment. In recent years, steam purification

Card 2/5

TOP SECRET

25 Years of the Work of ORGRES in Power Engineering

equipment has been developed for installation inside medium- and high-pressure boilers, whereby boiler outputs have been greatly increased.

A good deal of work has been done on brittle fracture of boiler parts and a special study was made of boiler-water conditions with the object of preventing accidents of this kind.

Turbine installations. In its early years, ORGRES worked mainly on the commissioning and acceptance tests of turbines. In recent years, tests have been made on the first examples of high-pressure turbines. A cycle of tests has recently been completed on turbo-generator type VK-100-2 of the LMZ (Leningrad Metal Works) installed at the Slayanskaya TETs (Slavyansk Heat and Electric Power Station) to determine the effectiveness of modifications to the flow part of the regulating stage. Other recent work concerned the conversion of small turbines for operation on reduced vacuum for purposes of heat supply. A method of chlorinating circulating water was developed to prevent organic deposits in condenser tubes. The southern division of ORGRES has done work on the starting

Card 3/5

25 Years of the Work of ORGRES in Power Engineering SOV/36-58-5-24/25

of boiler-turbine unit sets, by which the starting time has been greatly cut down.

District Heating. ORGRES has studied district heating since 1938. The main work was in setting up systems of centralised heat supply to towns and industries. Recently, attention has been given to external corrosion in heating systems, leading to anti-corrosion measures for pipework.

A good deal has been done on the automation of thermal processes, including the introduction of electronic equipment for automatic control of combustion and feed and also of fuel pulverisation and superheat. A method has recently been developed for regulating the output of ball mills according to the level of fuel in the drum and also on the automation of auxiliary equipment such as de-aerators, reduction- and cooling-installations and condensers.

There have been metallurgical investigations. The inspection of welded joints by ultrasonic procedures has been perfected. The Moscow Metal Laboratory has had considerable success in the development and introduction of hard electrode alloys. Recently, the apparatus and technology for melting hard alloys has been improved.

Card4/5

SCN/94-52-5-2-27

25 Years of the Work of ORGRES in Power Engineering

As operating experience accumulated, it had to be codified and distributed. In the first place, operating instructions were prepared for boiler and turbine equipment and then typical operating instructions for various conditions were prepared, also repair instructions for power equipment. ORGRES participated in the publication of safety rules and of standard forms for repair work on power equipment. Fifteen symposia on "Setting-up and Experimental Work of ORGRES" have been published.

Card 5/5 1. Electric power production--USSR 2. Power plants--Soviet Union

GOL'DENBERG, P.S., inzh.

Work of the State Trust for the Organization and Efficiency of
Electric Power Plants in the field of heat engineering during
the period from 1956 to 1961. Toplenergetika # no.11:94-96
61. (MIRA 14:10)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii
elektrostantsiy.

(Heat engineering)

VOLOVICH, N.I.; KRASOVITSKAYA, A.M.; MIKULINSKAYA, R.M.; ZLATOPOL'SKAYA, R.D.;
EDEL'SHTEYN, R.I.; SAVITSKAYA, E.K.; PARKHOMENKO, L.I.; DERKACH, V.S.,
professor, direktor; ZIMINA, O.I.; SOKOLOV, G.S.; ISTOMINA, I.D.;
GORDIYENKO, Ye.G.; KLYUCHNIKOVA, L.Sh.; NADTOKA, V.L.; KOCHINA, V.N.;
AVTONOMOVA, L.V.; BEREZUB, L.G.; GOL'DENBERG, R.A.; BELAYA, O.S.;
SAVCHENKO, A.M.

Study of efficacy of the enteral immunization against dysentery. Authors'
abstract. Zhur.mikrobiol.epid.i immun. no.8:27 Aug '53. (MLBA 6:11)

1. Ukrainskiy institut epidemiologii i mikrobiologii im. I.I.Mechnikova v
Khar'kove. (Dysentery)

GOLDENBERG, R.A.

VOLOVICH, N.I.; KRASOVITSKAYA, A.M.; ZLATOPOL'SKAYA, R.D.; MIKULINSKAYA, R.M.;
PETRENKO, M.D.; ZHUK, A.S.; CHERNYAVSKAYA, L.N.; GOLDENBERG, R.A.

Studies on the efficiency of enteral immunisation against dysentery
with poly-antigen immunogen; authors' abstract. Zhur.mikrobiol.epid.
i immun. no.8:32-33 Ag '54. (MIRA 7:9)

1. Iz Khar'kovskogo instituta vaksain i syvorotok imeni Mechnikova
(dir.kandidat biologicheskikh nauk G.P.Cherkas) i Khark'kovskoy
gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach
A.I.Stul'nikov)

(DYSENTERY, BACILLARY, prevention and control,

*poly-antigen immunogen)

(ANTIGENS AND ANTIBODIES,

*poly-antigen immunogen in prev. of bacillary dysentery)

MIKULINSKAYA, R.M.; FYADINA, D.D.; DROMASHKO, A.I.; SHULICHENKO, A.I.;
ROMASHKO, Yu.V.; ZLATOPOL'SKAYA, R.D.; BERGOL'TSEVA, L.A.; VEREZUB,
L.G.; CHAYKINA, T.N.; YEMEL'YANOVA, O.I.; GINZBURG, L.Ya.; GOLODYUK,
L.F.; RUMYANTSEVA, I.V.; VYCHEGZHANIN, A.G.; GOL'DENBERG, R.A.

Data on the study of the epidemiological effectiveness of vaccination
against influenza in Kharkov in October 1957. Vop.virus. 4 no.4:407-
411 J1-A7 '59. (MIRA 12:12)

1. Khar'kovskiy institut vaktsin i syvorotok imeni I.I. Mechnikova.
(INFLUENZA, prevention & control)

GRES'-EDEL'MAN, B.Ye.; ROMASHKO, Yu.V.; FEDENKO, A.I.; KALUSHKAYA, B.A.
ZUNLER, F.M.; KHAROVSKAYA, B.S.; GOLDBERG, B.A.

Study of the causes of decreased immunity to diphtheria in
vaccinated subjects. Vop. okh. mat. i det. 6 no. 2:18-21
F '61. (MIRA 14:2)

1. Iz Khar'kovskogo nauchno-issledovatel'skogo instituta vaktsin
i syvorotok imeni I.I. Mechnikova (dir. - doktor biologicheskikh
nauk G.P. Cherkas).

(DIPHTHERIA) (IMMUNITY)

L 56563-65 EWT(d)/EWT(l)/EWT(m)/EWA(d)/EWP(v)/EPA(w)-2/ELC(t)/EWF(t)/EWF(k)/
EWF(h)/EWF(b)/EWA(m)-2/EWP(l) Pz-6/Ff-l/Pl-l LJP(c) JL/AT

ACCESSION NR: AP5015263

UR/0285/65/000/009/0025/0026

AUTHORS: Verchenko, V. R.; Gol'denberg, R. Ye.; Pupko, V. A.

TITLE: Device for fabricating products with an electron beam. Class 21, No. 170593

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 45-46

TOPIC TAGS: electron gun, electron beam, electroforming, vacuum equipment

ABSTRACT: This Author Certificate presents a device for fabricating products with an electron beam. It contains a vacuum chamber, an electron gun, a coordinate table for mounting and moving the products, and a programmed control system (see Fig. 1 on the Enclosure). To automate the fabrication process, the coordinate table is provided with drive mechanisms for rotating the table in the horizontal plane and for moving it in the vertical direction. To provide for fabrication of products of various configurations, the vacuum chamber is provided with windows on the top and side walls for mounting the electron gun in vertical or horizontal positions. To simplify the design and to eliminate lubrication inside the chamber, the drives of the table movement mechanisms are located outside the vacuum chamber. The lead screws of these mechanisms are provided with ball nuts.

Card 1/3

L 56563-65

ACCESSION NR: AP5015263

To automate the fabrication process, the device is provided with a system for controlling the table movement drives and the electron gun operation mode according to a program recorded on magnetic tape. Orig. art. has 1 diagram.

ASSOCIATION: none

SUBMITTED: 11Sep62

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/3

L 56563-65
ACCESSION NR: AP5015263

ENCLOSURE: 01

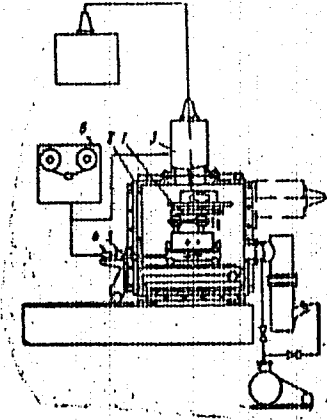


Fig. 1.
1- coordinate table; 2- vacuum chamber cover; 3- electron gun; 4 and 5- table movement drives; 6- programmed control system

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Card 3/3

GOL'DENBERG, S., arkhitektor

Provide an industrial base for state farms on the Virgin Territory. Zhil.stroi. no.3:32 '62. (MIRA 15:9)
(Virgin Territory--Construction industry)
(Virgin Territory--State farms)

SECRET

Method for the production of synthetic fibers by using a special
filter with a porous layer in cotton spinning machines - F.V.A.
Siberia, USSR, Pat. No. 157-157. Apr. 1954

GOL'DENBERG, S.A.; BRUSSER, B.N.

Imperfections in a 51st class sewing and basting machine. Leg.
prom. 16 no.2:41 F '56. (MLRA 9:7)
(Sewing machines)

GOL'DENBERG, S.A., inzhener.

Prospects for the development of the textile industry in Kazakhstan.
Tekst.prom.16 no.12:5-7 D:56. (MLRA 10:1)
(Kazakhstan--Textile industry)

TOMOIAGA, Radu, ing.; GOLDENBERG, Sergiu, ing. (Bleuresti)

Contributions to the designing of kinematic elements of contactors. Electrotehnica 12 no. 3:104-117 Mr '64.

1. Head of the Electrotechnical laboratory in the "Electroaparataj" Enterprise (for Tomoiaga).
2. Electrotechnical Laboratory, "Electroaparataj" Enterprise (for Goldenberg).

USSR/Physics - Thermodynamics
Diffusion

Apr 50

"Some Experimental Regularities in the Field of
Turbulent Diffusion," S. A. Gol'denberg, Power
Eng Inst Zhurn: G. M. Krizhanskiy, 6 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 4

Comparison between Prandtl-Karman turbulence
theory and work of Nikuradze and others re-
veals discrepancy regarding distribution of
mixing length l and pulsation velocity com-
ponents along tube cross section. Recalculates
Nikuradze's data obtaining relationship

159T77

USSR/Physics - Thermodynamics (Contd)

Apr 50

$E/\rho_0 r = f(y/r)$, replacing $\epsilon_{\nu} r = f(y/r)$, where
 ρ_0 is average velocity along tube cross section.
Uses averaging method to obtain nondimensional
 ψ and ψ_1 for Re up to $100 \cdot 10^3$ and ψ_1 for $Re >$
 $100 \cdot 10^3$ Submitted by Acad M. V. Kirpichev.

159T77

"Turbulent Transfer in Heat Exchange, Diffusion, and Chemical Processes,"
Iz. Ak. Nauk SSSR, Otdel. Tekh. Nauk, No.5, pp 689-694, 1950

Power Engineering Inst. im. Krzhizhanovskiy

A digest, W-15033, 14 Nov 50

GOL'DENBERG, S. A., Engr

PA 167T71

USSR/Metals - Cutting

Aug 50

"Semiautomatic Machine for Cutting Circular Flanges,"
Engineers S. A. Gol'denberg, V. F. Khodakov

"Avtogen Delo" No 8, pp 20-22

Describes semiautomatic gas cutting machine for mass production of pipes in ship-building industry. Machine is designed to cut flanges of 50-600 mm diameter from steel 10-30 mm thick. One advantage is possibility of cutting flanges at very edge of metal sheet, bringing waste to minimum. Productivity is 85 pieces for 8 hours. Operation of four machines for 1½ years demonstrated dependability.

167T71

USSR/Engineering - Combustion

Aug 50

"Turbulent Heterogeneous Combustion," S. A. Goldenberg, Power Eng Inst imeni G. M. Krzhizhanovskiy

"~~Tr~~ Ak Nauk SSSR, Otdel Tekh Nauk" No 8, pp 1154-1164

Describes experiments on burning process of carbon in cylindrical tube during turbulent flow of gases at 22-145 m/sec. Develops approximate analytical method to calculate burning process on basis of hydrodynamic characteristics which determine mass transfer in turbulent flow. Formula for temperature dependence of gas exchange coefficient in range 500-1,050°. Submitted by Acad M. V. Kirpichev.

168T29

GOLDENBERG

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CIA-RDP86-00513R00015620011-0

USSR/Engineering - Combustion

May 51

"Investigation of the Process of Turbulent Combustion with Consideration of Secondary Reactions," S. A. Goldenberg, Power Eng Inst Imeni G. M. Kizhizhanovskiy, Acad Sci USSR

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 5, pp 657-666

Clarifies secondary processes (reduction of CO₂ and combustion of CO) during turbulent heterogeneous burning of carbon in cyl tube by examing gas formation in various sections of channel. Calc'd coeff of gas exchange for combustion of

182T61

USSR/Engineering- Combustion (Contd)

May 51

Carbon for temp range of 500-1000°. Submitted by Acad M. V. Kirpichev.

182T61

USSR/Engineering - Heat, Combustion

Jul 51

"Process of Turbulent Heterogeneous Combustion in High-Temperature Region," S. A. Gol'denberg

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 7,
pp 1025-1030

Investigates process of combustion in conditions of high temp when diffusion retardation of chem reactions is sufficiently great. Shows that this individual case of combustion may be described by formula $Nu_D \approx 0.024 Re^{0.8}$ and that limited length of pipe has no significant effect on calen of combustion process. Deduces formula for length of oxygen zone. Submitted by Acad M. V. Kirpichev
12 May 50. 225T16

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 22 - 28/45

Authors : Khitrin, L. N., Memb. Corres., Acad. of Sc., USSR, and Gol'denberg, S. A.

Title : Ignition of gaseous mixtures in a stream with an incandescent body

Periodical : Dok. AN SSSR 103/2, 277-280, Jul 11, 1955

Abstract : Investigation was conducted to determine the critical characteristics of igniting quiescent and moving gaseous media. The phenomenon of concentrated ignition boundaries (flame propagation) is explained. The role of the incandescent body when coming in contact with the gaseous medium and its functions in the boundary layer are discussed. Data are given regarding the limits of concentration, boundary velocities of the flame, flame stabilization criteria and other related phenomena. Thirteen references: 9 USSR and 4 USA (1937-1954). Graphs.

Institution : Acad. of Sc., USSR, Power Engineering Inst. in G. M. Krzhizhanovskiy

Submitted : December 16, 1954

Goldenberg, S. A.

96/1111

536.464

Concentration Boundaries of Gas
Flow Ignition

Dokl. Akad. Nauk
103(3), 469-473
1958
U.S.S.R.

L. N. Khitrin, S. A. Goldenberg

Offers a thermal theory of concentration boundaries of ignition of stationary and propagating gas mixtures which enables the determination of: (i) the boundaries of the propagation of the flame; (ii) reliable kinetic characteristics of combustion of gaseous mixtures; and (iii) critical parameters of ignition under different conditions with the aid of the characteristics of the combustible fluid alone. (Bibl. 10)

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