

Universal Electrolyte for the Polishing of
Stainless and Heat-Resisting Steels, Low-
Carbon Steels, and Titanium Alloy VT-5,
by G. I. Parfess, V. A. Sidlyarenko.

RUSSIAN, per, Avtomat Svarke, Vol XI, No 7,
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Heavy Bratcher 4421.
\$2.25

Sci - Engr

84,311

Apr 79

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Sci - Engr

Dec 58

On the Electrical Circuits of Machines for
the Contact Welding of Thin Metal. USSR
ID 2109497
RUSSIAN, per, Avtomnt: Svarka, No 8, 1958.

RUSSIA 1035

Sci - Engr

Jan 59

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Adopt Advanced Welding Methods More Widely in
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Vacuum Welding by Diffusion, by N. P. Kazakov,
RUSSIAN, per, Avtom Svarka, No 8, 1958, pp 6-18.

*Henry Bratcher

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Feb 59

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No 8, pp 81-90.

SIA 59-22269

Sci
Mar 60
Vol 2, No 12

ASIA Trans. Log #1035
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Dec 58

Lashko, N. F. and Lashko-Avalyeva, E. V.
 THE ROLE OF THE CARBIDE PHASES AND OF PRI-
 MARY FERRITE IN THE FORMATION OF HIGH-
 TEMPERATURE CRACKING IN THE WELDING OF
 AUSTENITIC STEELS [Oshch Karbidnykh Faz i
 Pervichnogo Ferrita v Obrazovanii Krikslinitsatsionnykh
 Treshchin pri Svarke Auzenitnykh Staloi]. Jan 60.
 Order from MT MT Trans-22

Trans. of Avtomaticheskaya Svarka (USSR) 1960 [v. 11]
 no. 9, p. [99]-110.
 Another translation is available from LC or SLA
 no. 2, 60, p. 30 as 60-13439, SWRA TR-13/69,
 Mar 69 [18].

DESCRIPTORS: *Steel, *Welding, *Welds.

For abstract see Technical Translations # 164, 1960.

Machinery--Manufacturing, TT, v. 4, no. 2)

61-22751

I. Lashko, N. F.
 E. Lashko-Avalyeva, E. V.
 III. MT Trans-22
 IV. Tolmacheva, M. de O.
 (Cl. Ser.)

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180541

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Sci - Engr

Dec 58

Electro-Slag Hot-Topping of Ingots and Shaped
Castings With the Aid of a Non-Consumable
Electrode, by G. S. Tyagun-Balons, D. A.
Dedko.

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RUSSIAN, per, Avtomat. Svarka, Vol XI, No 10,
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HB 4636

Sci - Engr

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The Use of Ultrasonics in Beam and Spot Welding,
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RUSSIAN, per, Avtomat Svarka, No 10, 1958,
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(15s.02.)

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Spectrographic Analysis of High-Silicon
Aluminum Alloy and Welds, by A. S. Dem'yanchuk,
O. P. Ryabushko. UNCL

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British Iron and
Steel Ind 1347
(L1 154.01.)

Sol - 1970
Sep 29

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Gupalo, Yu. D.

SOURCES D'ALIMENTATION POUR LA SOUDURE
ÉLECTRIQUE SOUS SCORIE (Power Supply for Elec-
tric Slag Welding) tr. by I. Melnych. 27 Mar 62 [18]p.
5 refs. CEA Trans. no. R 1523 (text in French).
Order from OTS or SLA \$1.60 62-33736

Trans. in French of Avtomatizatsiya Svarka (USSR)
1959, v. 11, no. 9, p. 19-26.

DESCRIPTORS *Electroslag process, *Welding.
Electrical equipment, *Power supplies, Slags.

Nous avons étudié l'influence de la pente des caracté-
ristiques extérieures des circuits d'alimentation sur
la stabilité du processus et sur la stabilité de la fu-
sion des bords des pièces soudées. Nous montrons les
avantages des transformateurs de soudure à caracté-
ristiques extérieures raides. (Author)
(Metallurgy, TT, v. 9, no. 9)

62-33736

I. Gupalo, Yu. D.
II. CEA-tr-R1523
III. Commissariat à l'Énergie
Atomique (France)

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Makara, A. M., Lohmestiy, V. I., and
Zhevetitskiy, I. P.
INVESTIGATION INTO THE DISTRIBUTION OF HY-
DROGEN IN WELDED JOINTS OF MEDIUM-ALLOY
STEELS WITH AUSTENITIC AND FERRITIC WELDS
(Issledovaniye Raspredeleeniya Vodoroda v Svarnykh
Soyedineniyakh Srednelegirovannykh Stal' s
Austenitnymi i Ferritnymi Shvami). Apr 61 [25]p.
10 refs. KTS 1810.
Order from OTS or SLA \$2.60

61-19485

Trans. of Avtomaticheskaya Svarka (USSR) 1961 (v. 11)
no. 11, p. 15-31.

DESCRIPTORS: *Welds, *Welded joints, *Steel,
*Hydrogen, Tests.

Experiments and by calculation showed that in welded
joints of the medium-alloy steels there is a jump-like
increase in the hydrogen content near the fusion line on
the side of the heat-affected zone, while in the case of
(Machinery--Manufacturing, TT, v. 6, no. 1) (over)

61-19485

I. Makara, A. M.
II. Lohmestiy, V. I.
III. Zhevetitskiy, I. P.
IV. KTS-1810
V. Department of Scientific
and Industrial Research
(Ox. Brit.)

16181

Office of Technical Services

Two Controlled Atmosphere Chambers for Welding
Refractory Metals, by N. A. Ol'shanskiy. UNCL

RUSSIAN, per, Avton Svarke, No 11, 1958, pp 32-36.

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~~from~~

(12s. 64.)

Sci - Engr
Apr 60

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Desulphurizing Capacity of Fluxes in Electro-
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O. S. Tyagun-Belous. UNCL

RUSSIAN, per, Avton Svarka, No 11, 1958,
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Sci - Min/Met

Apr 60

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Arc, by G. B. Serdyuk. UZEL

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Sci - Engr
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USSR

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TYAGUN-BELOUS, 15 PP.

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Automatic Welding of a Cold-Resisting Steel
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Influence of the Condition of the Electrode
Process on the Melting Speed of Heavy-Gage
Electrodes, by D. A. Dudko, I. N. Kishlevskiy,
et al, 9 pp.
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Sci - M/M
Jun 64

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261,889

VOL. 12, 1959

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 (Automatic Welding - monthly)
 Translation begins with 1958, Vol. 12
 Log time: 2-4 months
 Order from: The Welding Institute
 Publications Department
 Abington Hall - Abington
 Cambridge, Cam. 51L
 1971: \$ 20.00/year U.K. (post. paid)
 \$ 25.00/year elsewhere
 \$ 7.00 single issue U.K.
 \$ 11.00 single issue elsewhere
 Back issues: 25% discount for any issues
 prior to current

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12 pp. *Wk*
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Sci - Electron
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Contactless Magnetic Devices for Control Systems,
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Avrukh, I. A. Vlasanova, et al, 63 pp.

RUSSIAN, bk, Avtomaticheskoye Upravleniye i
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JPRS 5779

Sci - Engr

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M. L. AVAUKH, I. A. PISHONOV,

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Sci - Electronics, Automation

Jul 59

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Sci - Electron

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Novikov, Yu. V. and Val'denberg, Yu. S.
 SPECIALIZED ANALOGUE COMPUTERS FOR THE
 STATISTICAL ANALYSIS OF RANDOM PROCESSES
 [AND] ON THE PRINCIPLES OF DESIGN OF AN
 ANALOGUE MATHEMATICAL MACHINE FOR THE
 SOLUTION OF INTEGRAL EQUATIONS. [1961] [35p.
 20 refs. [DSIR NLL] M 4051.
 Order from OTS or SLA \$3.60 61-29061

~~Trans. of Automatic Control Systems (Vychislitel'-~~
~~nye Tekhnika) (USSR) 1954 (v. 1) p. 375-416.~~

DESCRIPTORS: *Analog computers, Computers, De-
 sign, *Statistical analysis, *Statistical processes,
 *Statistical functions, *Integral equations, Numeri-
 cal methods and procedures.

(Information - Computing Devices, TT, v. 7, no. 6)

61-29061

- I. Novikov, Yu. V.
- II. Val'denberg, Yu. S.
- III. Title On ...
- IV. DSIR NLL M. 4051

Office of Technical Services