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PST No 85

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Order from ICE in International Chemical Engineering,
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Trans. of Akademiya Nauk Turkmenskoi SSR, Ashkhabad,
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LOGUES IN THE HIGH-MOLECULAR-WEIGHT
FRACTION OF PETROLEUM (O Stroenii Gomologov
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text included) 8 refs. [CSIRO] Trans. no. 5118.
Order from OTS or SLA \$3.60 61-28158

Trans. of [Akademiya Nauk SSSR], Institut Nefti,
Trudy, 1959, v. 13, p. 80-96.

DESCRIPTORS: *Petroleum, *Naphthalenes, *Hydro-
carbons, Molecular structure, Molecular weight,
Physical chemistry, Ultraviolet spectroscopy, In-
frared spectroscopy, Fractionation, Hydrogenation.

The chemical nature of condensed aromatic hydrocar-
bons of high molecular weight in Radchenkovo crude
(Chemistry--Organic, TT, v. 7, no. 7) (over)

61-28158

- I. Sergienko, S. R.
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[1961] 13p. 55 refs.
Order from OTS or SLA \$1.60 61-16693

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
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DESCRIPTORS: *Hydrocarbons, Catalysts, *Octanes,
*Heptanes.

The mechanism of conversion of paraffin hydrocarbons
to aromatic hydrocarbons is discussed. The relative
velocities of aromatization of normal heptane and
normal octane were investigated and normal octane was
shown to undergo aromatization at a velocity 1.5 times
higher than normal heptane. With periodic regenera-
tion every 2-12 hours, the catalyst may remain active
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I. Sergienko, S. R.

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DESCRIPTORS: *Hydrocarbons, Chemical reactions, Catalysts, Dehydrogenation, *Benzenes, Styrenes, Decomposition, *Heptanes, *Octanes.

Two catalysts for dehydrocyclization of aliphatic hydrocarbons were developed. The aromatic hydrocarbons were investigated formed in catalytic cyclization of the heptane-octane and the nonane fractions of synthin on these catalysts at 475°. It was shown that cyclization occurs with predominant formation of (Chemistry--Organic, TT, v. 6, no. 9) (over)

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Separation of the High-Molecular-Weight Hydrocarbons
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Molecular Distillation and Chromatography, by
S. R. Sergienko, I. A. Noshkina, L. S. Mayorov,
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COMPOSITION AND PROPERTIES OF THE TARRY
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Trans. of Akad[emiya] Nauk SSSR. Inst[itut] Nefti.
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DESCRIPTORS: *Petroleum, *Molecular weight.

(Engineering--Chemical, TT, v. 8, no. 2)

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- I. Sergienko, S. R.
- II. DeLone, I. O.
- III. Title: Investigation ...
- IV. ATS-14N58R
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NCH-202 363 (p.227-231)

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Sergienko, E. R.; Medvedeva, V. D.; Garbalinski, V. A.
THE SELECTIVE ACTION OF CATALYSTS IN THE
DEHYDROGENATION OF PARAFFINIC HYDROCARBONS.
Apr 65, 5p, 6refs.
Order from ICE in International Chemical Engineering,
v5 n2

Trans. of Akademiya Nauk Turkmenskoi SSR, Ashkhabad.
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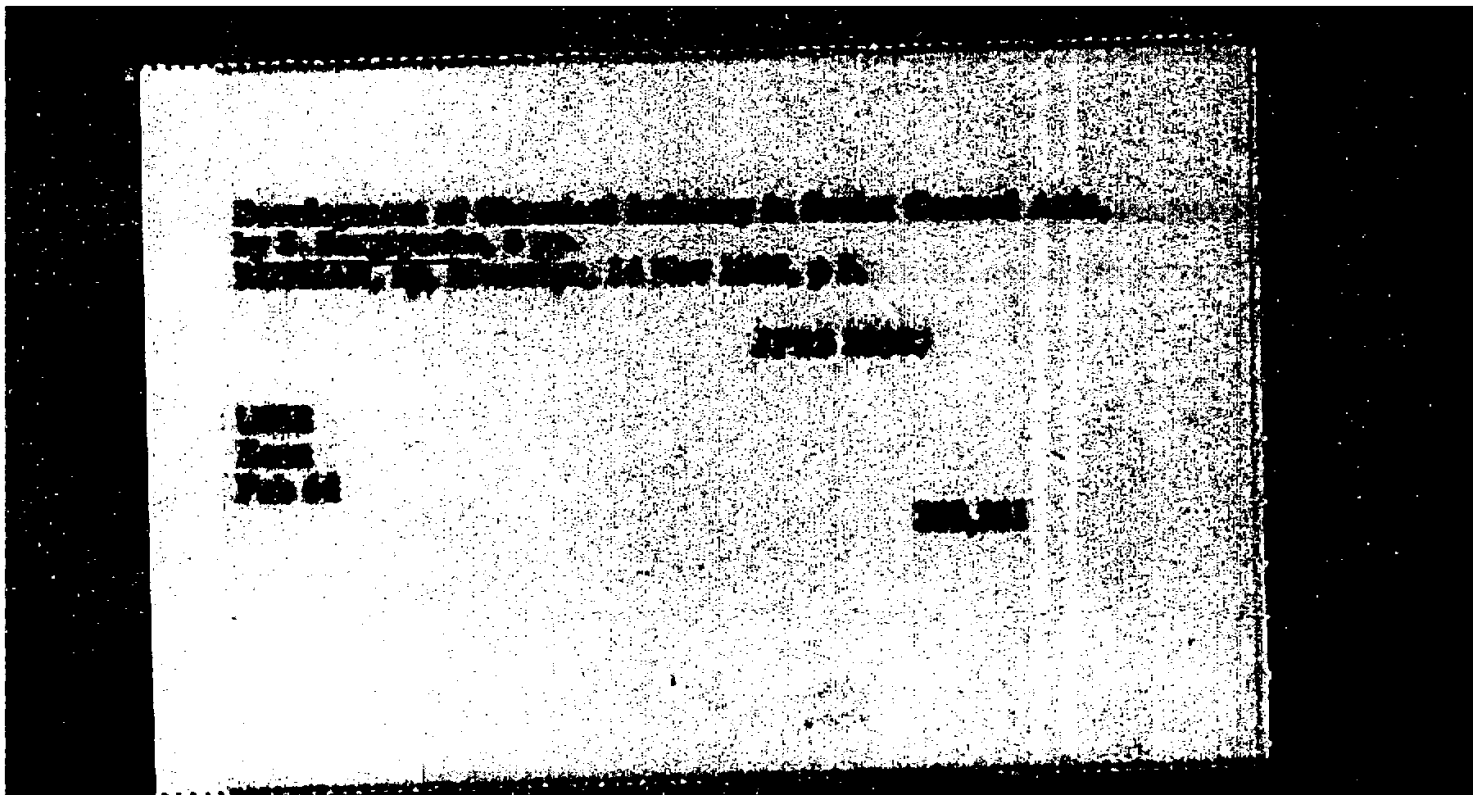
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Aug 56 CTS

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00929R000201010040-6



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To Be in Step With Life, to Serve the People in a
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JPRS 10308

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CERTAIN PHYSIOCOCHEMICAL PROPERTIES OF
PETROLEUM ASPHALTENES AND TARS IN
SOLUTION. [1963] 11p. 5 refs.
Order from OTS or SLA \$1. 60

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Trans. of Akademiya Nauk SSSR. Institut Nefti. Trudy,
1958, v. 12, p. 76-82.

DESCRIPTORS: *Petroleum, *Tar, *Bitumens,
Asphalt, Solutions, Physical properties, Chemical
properties, Molecular weight, Polarization, Dielectric
properties, Molecular association, Solvents, Benzenes,
Nitrobenzenes, Naphthalenes.

Solutions of tars and asphaltenes in benzene, nitro-
benzene, and naphthalene were measured cryos-
copically, and the association of tars and asphaltenes
from Romashki oil in the solutions was shown to depend
(Chemistry--Physical, TT, v. 10, no. 6) (over)

63-18054

I. Title: Asphaltenes
I. Sergienko, S. R.
II. Davydov, B. E.

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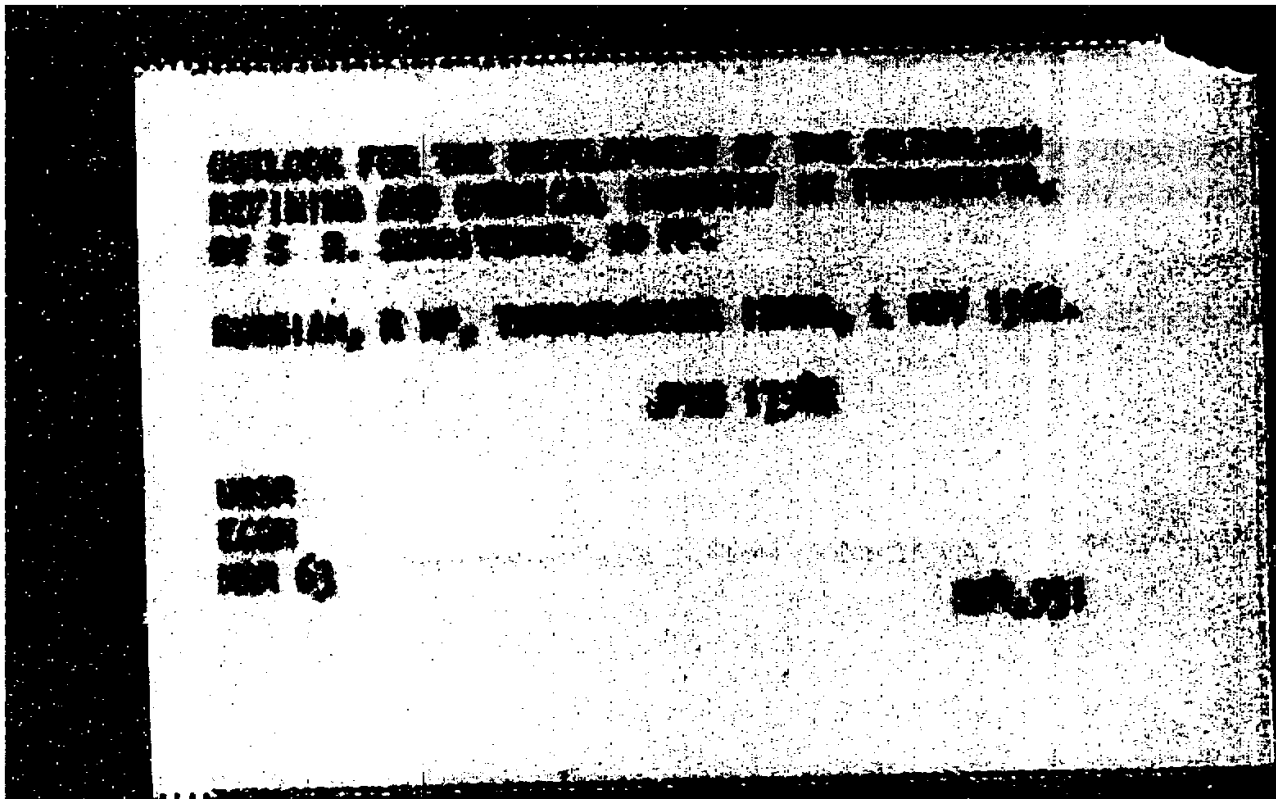
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