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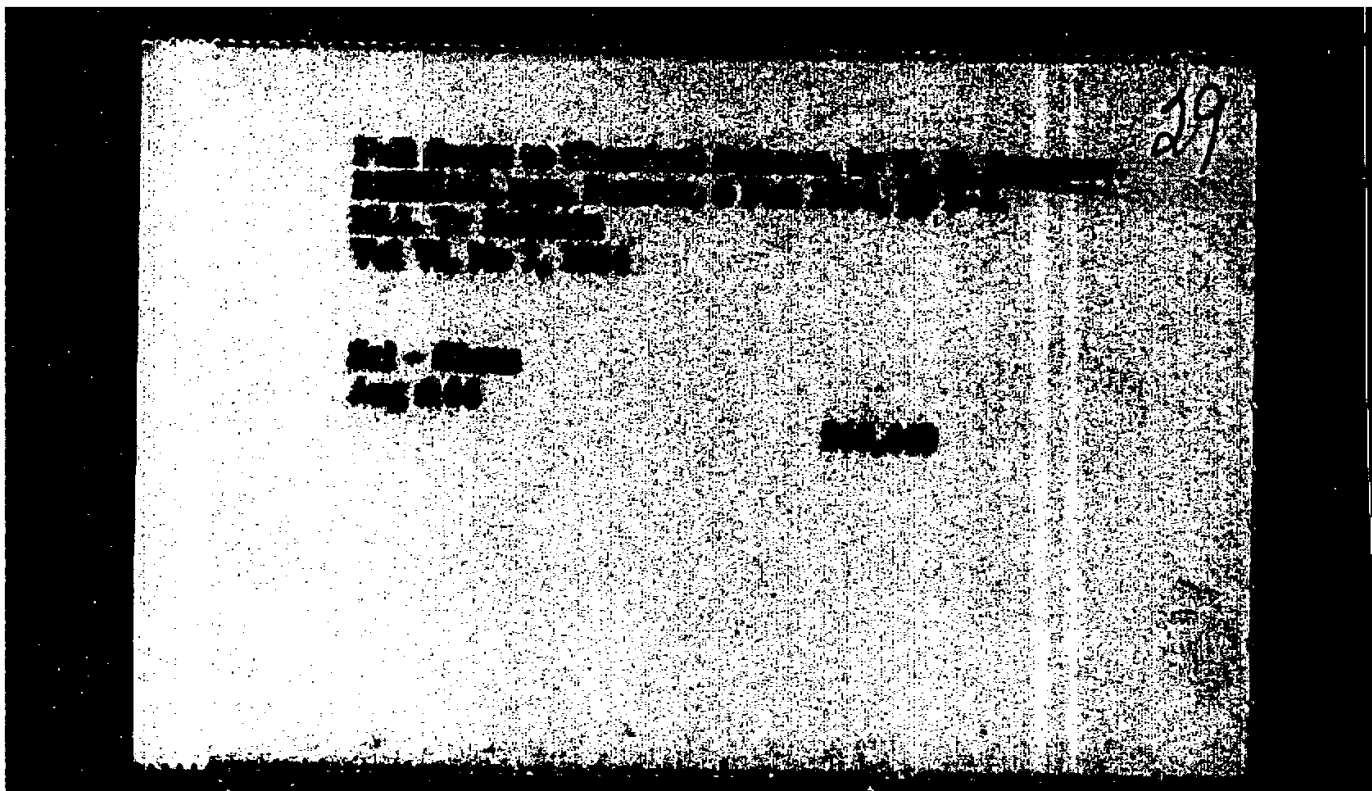
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JPRS 14266

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JPRS 25717

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Order from OTS or SLA \$3. 60 63-14511

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DESCRIPTORS: \*Gases, \*Combustion, Theory,  
Reaction kinetics, \*Ignition, \*Chain reactions, \*Flame  
propagation, Velocity, Flammability, \*Detonation,  
Shock waves.

(Chemistry--Physical, TT, v. 10, no. 8)

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15 pp.

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- II. DSIR LLU M.1668
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THE MECHANISM OF THE OXIDATION OF SIMPLE  
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Order from SLA mi\$2. 40, ph\$3. 30 61-10467

Trans. of Chim[ie] et Ind[ustrie] (France) 1958, v. 79  
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The writer has investigated the oxidation of petroleum hydrocarbons. At low temperatures, photochemical reactions give hydroperoxides. These give aldehydes when the temperature rises. When higher hydrocarbons are oxidized, hydroperoxide radicals may be isomerized in two different ways, giving numerous intermediates. The thermal oxidation reaction can take place without any energy of activation, through the formation of active centers, which can develop most efficiently on the walls of the container. The initial reaction may be stimulated by means of active additives or of penetrating radiations. (Author)  
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TIONS. II. CALCULATING THE INTERACTION OF  
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- II. Title: Calculating...
- III. JPRS-7509
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The report demonstrates that equations for the simpler  
chain reactions are practically identical with those ex-  
pressing the autocatalytic action of the final products.  
The similarity is a purely superficial one, since the  
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reactions.

(Chemistry--Physical, TT, v. 5, no. 7)

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The effect of chain cleavage on the kinetics of simple  
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ample of oxidation of hydrogen at low pressures,  
when the case can be limited to cleavage of chains on  
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(Chemistry--Physical, TT, v. 5, no. 7)

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NH 5-1-61

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Bromide and iso-Propyl Bromide, by N. N. Bemenov,  
G. B. Sergeyev, G. A. Kapralova, 9 pp. UNCL

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*QD 501, S4*

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Successes of Chemistry--The Mechanism of the Chainlike  
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Series, No 3, 210-22 (1945)

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*Sci Jr Ctr RT 1422*

ERDL 7-26  
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A 10677

Oöt cts

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RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1953, pp 705-707, 708-709.

ATIC P-TS-8192

PP 705-707 DSIR LLU M-1555 (16011)

PP 708-709 DSIR LLU M-1554 (16011)

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SLA R-3343

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*See also DSI T-212*

A 10679

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SEMENOV, N.N.

The Physical Chemistry Institute Imeni Karpov and its  
Role in the Development of Physical Chemistry in the USSR  
Russ per Zhur Fiz Khim No 5-6/43 COW 137/49

A-10673

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Effect of Sulfur in Gasoline on the Wear of an  
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N. V. Semenov, G. A. Chetverikova, T. I. Konstantinova,  
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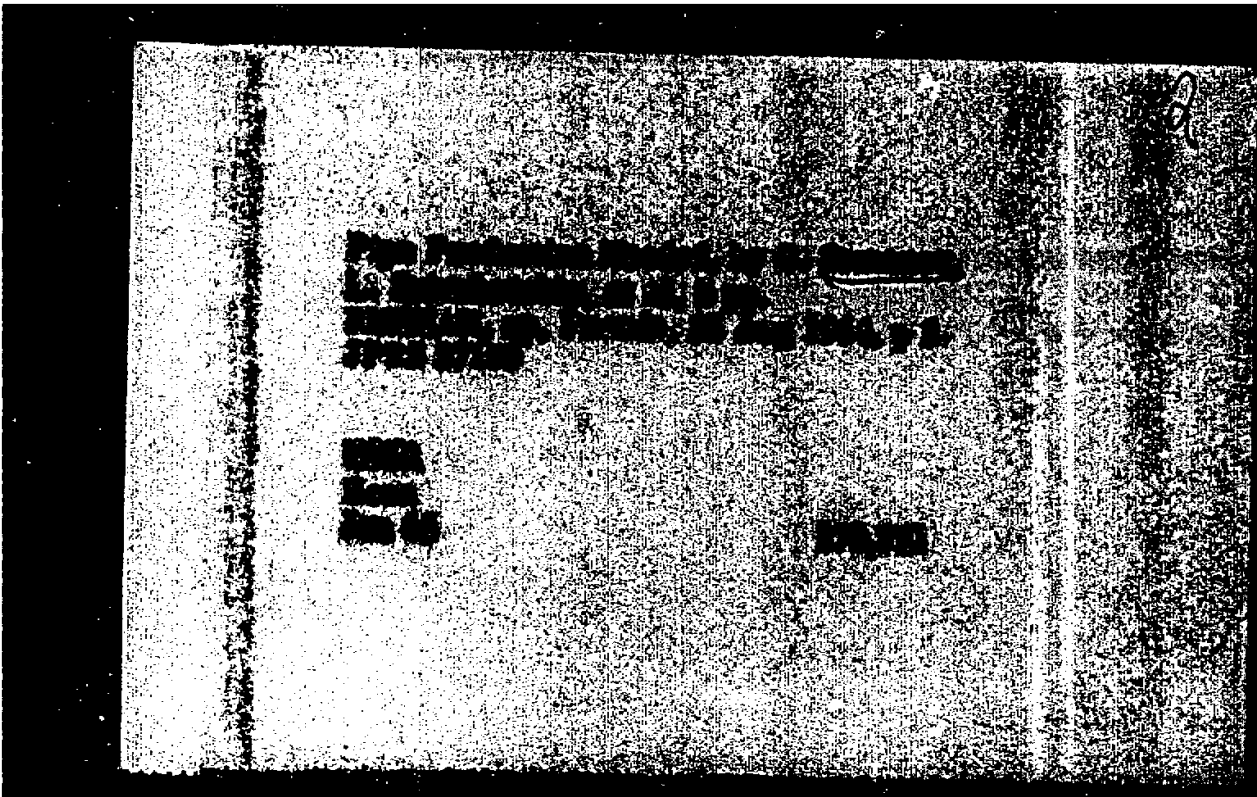
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THE FLOW OF LIQUIDS IN THIN FILMS (Teheniye Zhidkosti v Tonkikh Sloyakh). [1961] 8p. 4 refs. [DSIR LLU] M. 2733.

Order from OTS or SLA \$1.10

61-23334

Unedited trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1944, v. 14, p. 427ff.

DESCRIPTORS: \*Liquids, Motion, \*Fluid flow, Thin films, Mathematical analysis, Differential equations, Fluid mechanics.

The flow of liquids in thin layers in the presence of a sharp counterflow of gas were investigated. Six different regimes of flow are described, the existence of which were demonstrated experimentally. The boundary conditions are applied to the equations of flow, for the calculation of gravity forces, the horizontal gra- (Mechanics--Hydraulics, TT, v. 6, no. 12) (over)

61-23334

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II. DSIR LLU M. 2733

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B. Improve Gunnery Training in Tank Subunits, by  
P. Bemenov.  
C. Advance of the Tank Company in a City, by G.  
Yarekha, 25 pp. UNCLASSIFIED

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(b) pp 11-15, & (c) pp 22-28.

ACSI H-0615

60,216

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The Flow of Liquids in Thin Films, by P. Semenov.

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Sci - Phys

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Sprayerless Venturi Scrubber For Absorbing  
Ammonia From Coke Oven Gas, by P. A. Semenov,  
Yu. V. Tumanov, O. S. Chekhov, 3 pp.

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The Flow of a Liquid in Thin Layers, by 86  
P. A. Semenov, A. V. Solov'yev, 7 pp.  
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No 12, 1964, pp 83-89. 3699633  
FTD-TT-65-1257

P. A. Semenov

Sci - Phys  
Feb 66

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Approximate Method of Calculation of Floors  
and Cross-walls of Buildings Constructed of  
Large Panels, Without a Frame, Exposed to  
Horizontal (Wind) load, by P. I. Semenov.  
RUSSIAN, per, Beton i Zhelezobeton, Vol No. 7,  
1958, pp 278-280.  
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*P. I. Semenov*

Sci -  
Jul 67

334,282

Semenov, P. I. and Sazonov, R. M.  
APPROXIMATE METHOD OF CALCULATION OF  
FLOORS AND CROSS-WALLS OF BUILDINGS CON-  
STRUCTED OF LARGE PANELS, WITHOUT A  
FRAME, EXPOSED TO HORIZONTAL (WIND) LOAD  
(Priblizhennyi Raschet Konstruktsii Perekrytil i Pope-  
rechnykh Diafragm Panel'nykh Beskarkasnykh Zdanil na  
Gorizontal'nuyu Nagruzku) tr. by G. N. Gibson.  
Oct 60 [7]p. Library Communication no. 1005;  
[DSIR LLU] M3186.  
Order from OTS or SLA \$1. 10 61-28138

Trans. of Beton i Zhelezobeton (USSR) 1958, no. 7,  
p. 278-280.  
Another trans. is available from LC or SLA m\$2. 40,  
ph\$3. 30 as 60-23667, CSIRO Trans-4525 [1960] 11p.  
(foreign text included).

DESCRIPTORS: \*Structures, Design, Stresses, Load  
distribution, Wind.

61-28138

- I. Semenov, P. I.
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Professor Vera Yevgen'yevna Dembskaya, On her  
80th Birthday and 50th Year of Medical, Scientific  
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JPRS 4328

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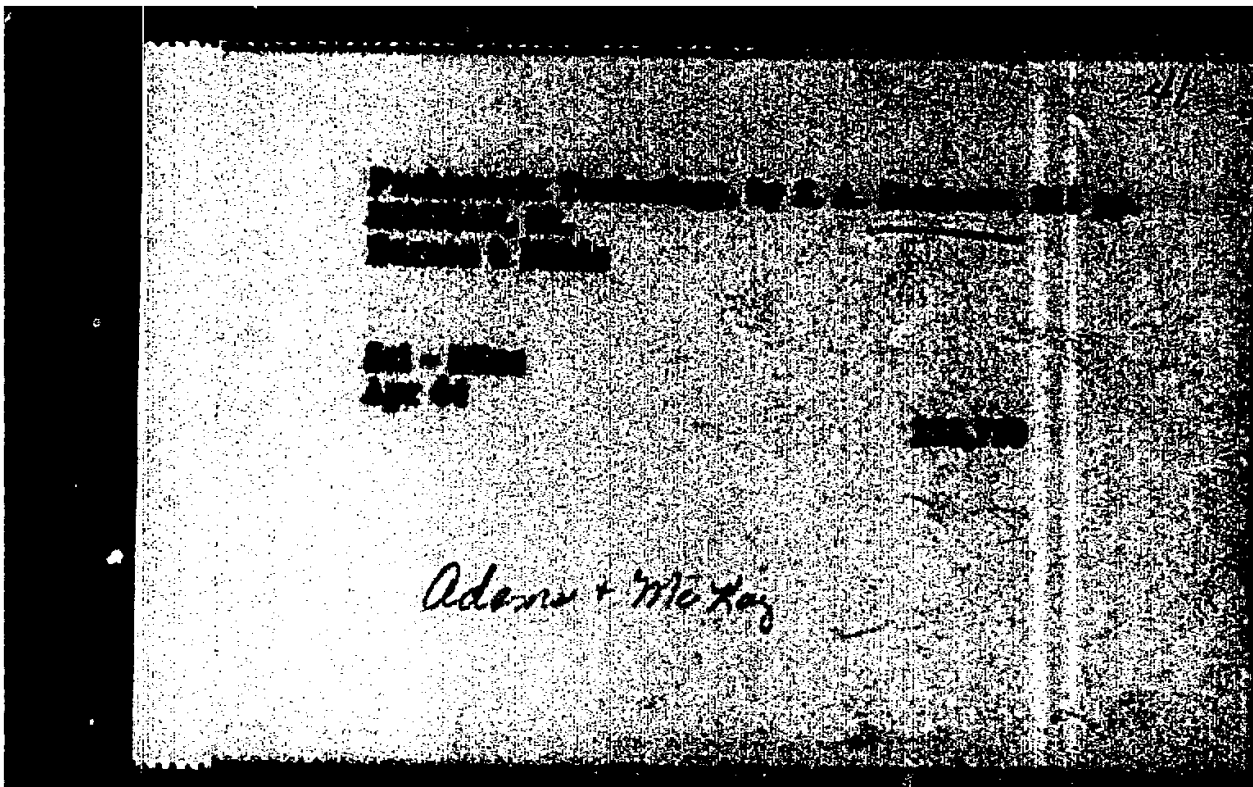
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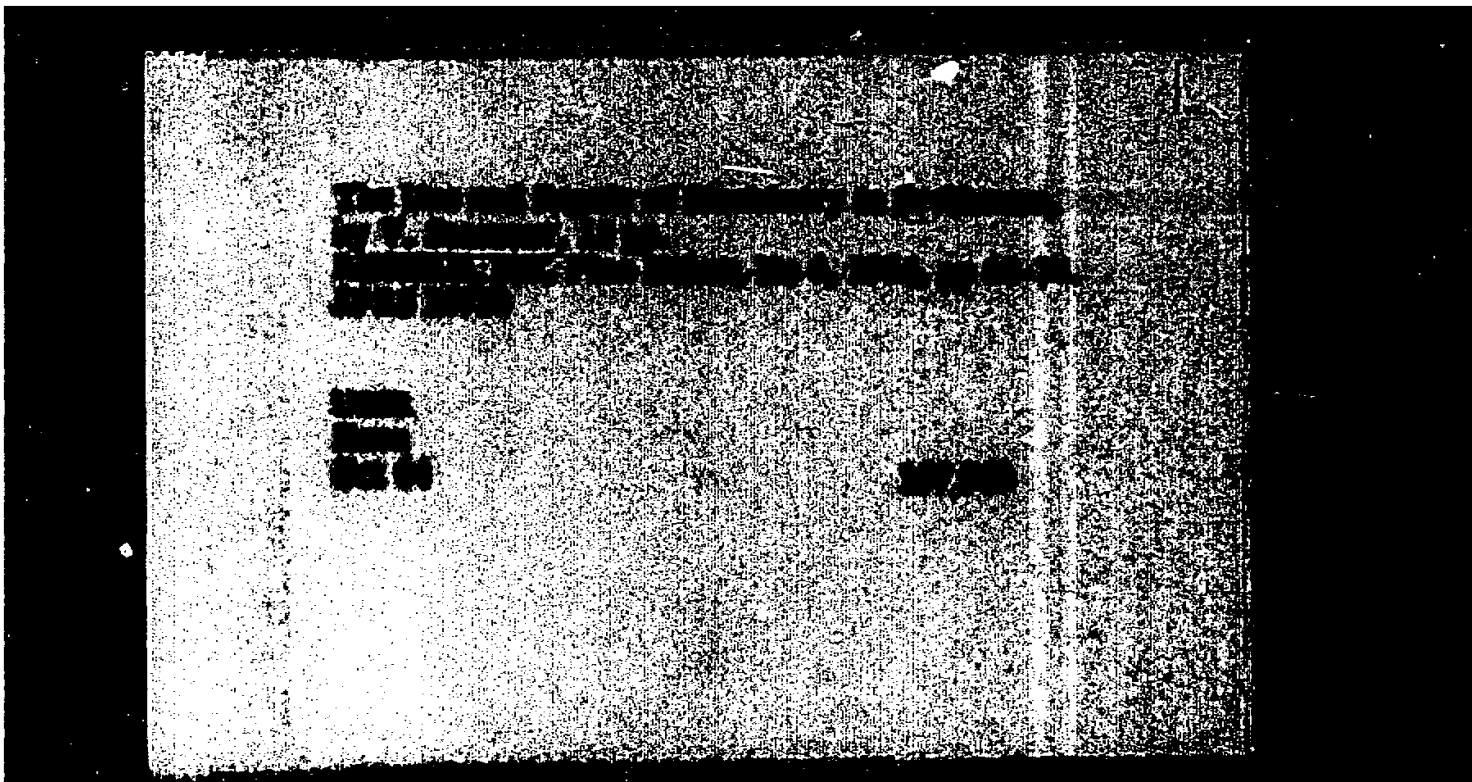
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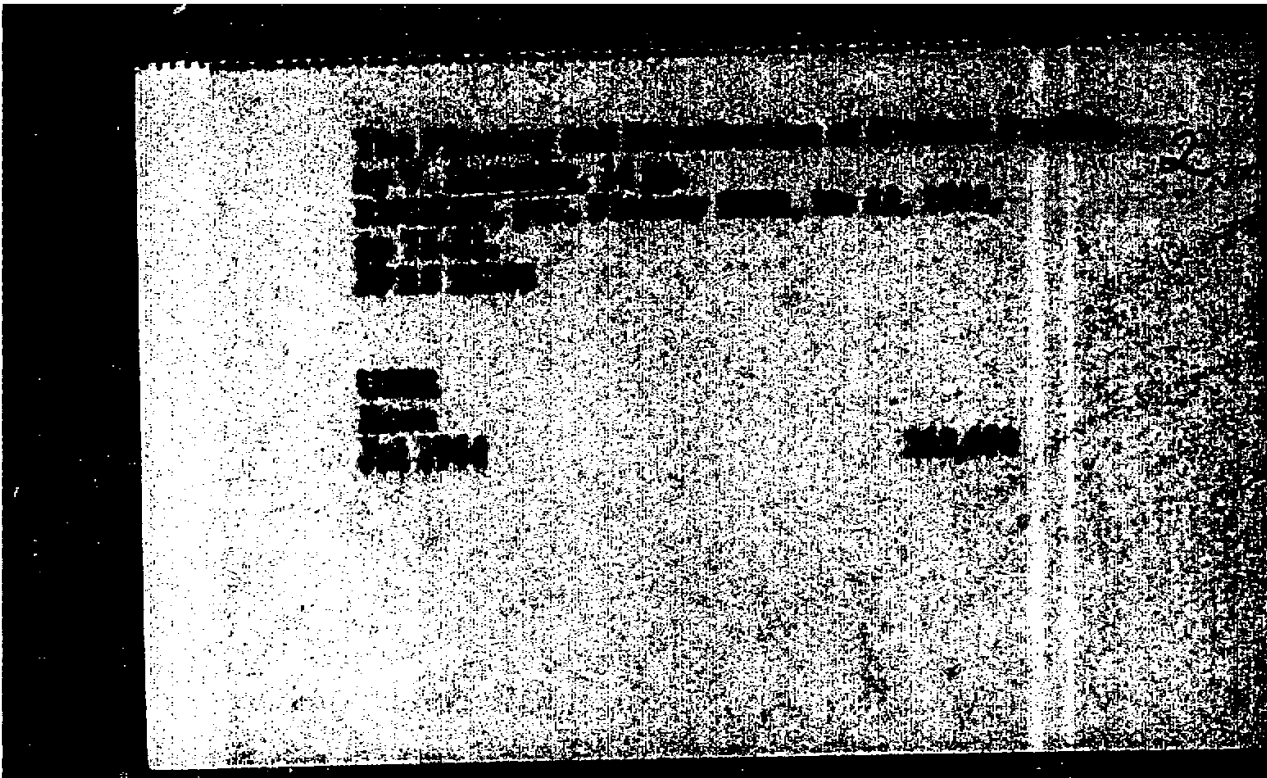
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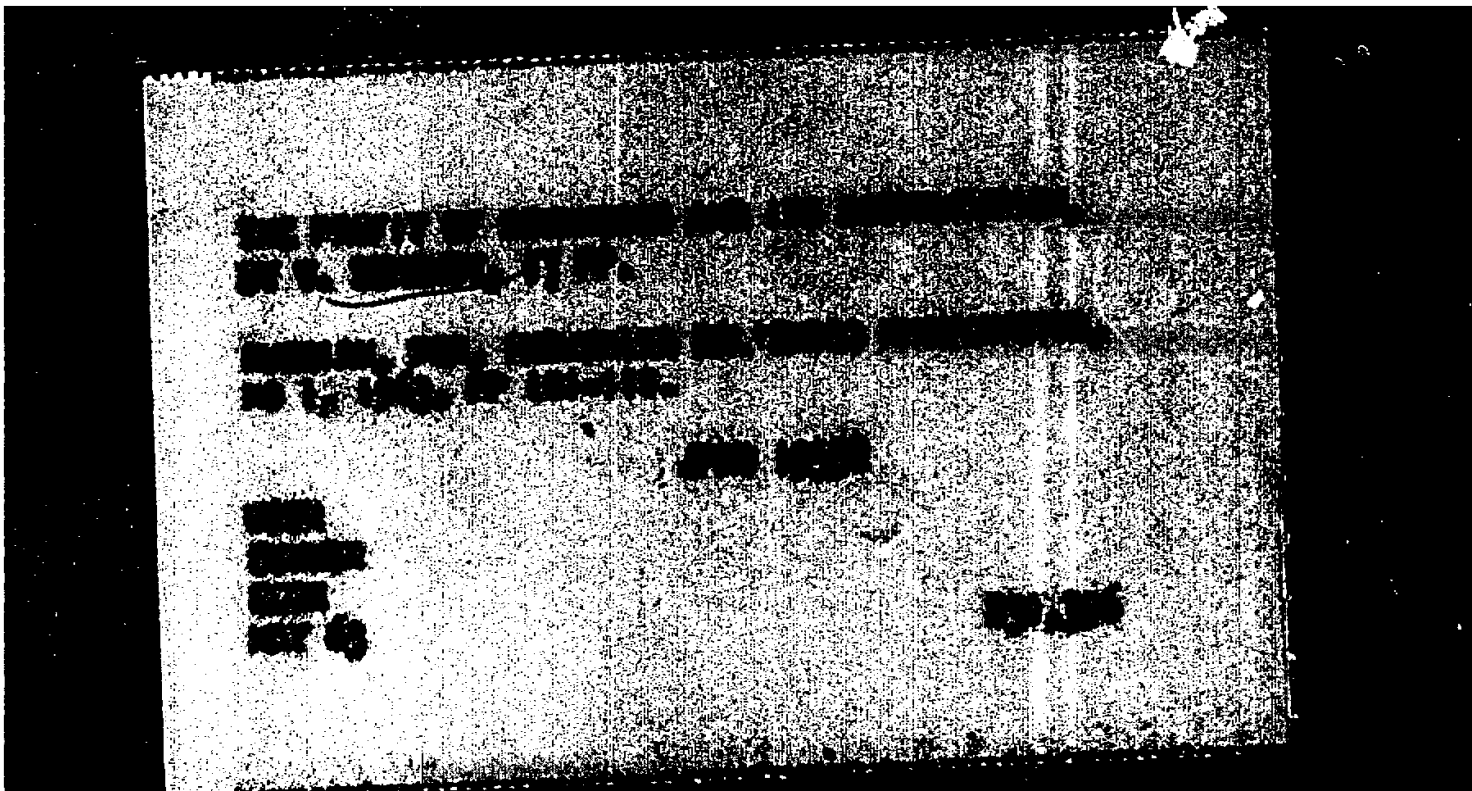
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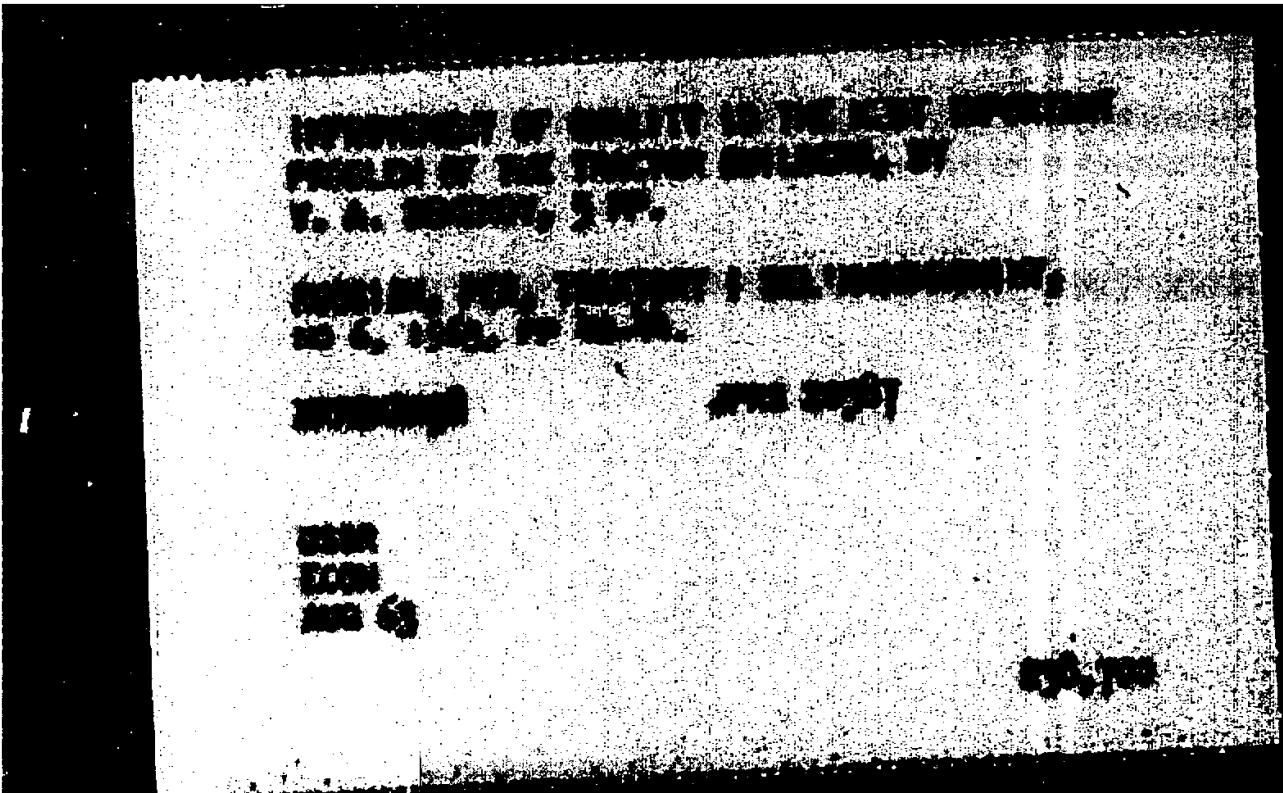
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