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DESCRIPTORS: *Friction, Theory

For abstract see Technical Translations 2: 361, 1959
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Comparative Effect of Certain Antibiotics Upon
Ornithosis Virus in Animal Experiments, by V. M.
Ya Bolotovskiy, L. S. Ratushkina, 3 pp.

RUSSIAN, per, Voprosy Virusologii, Vol IV, No 6,
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Titrimetric Determination of Hydrogen Ion
Concentration, by G. Ratushnyi.

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Ratusky, J., Sorm, F. and others.
APPARATUS FOR THE PRODUCTION OF POTAS-
SIUM TEREPHTHALATE. [1961] (4)p.
Order from OTS or SLA \$1.10

62-10327

Trans. of Czechoslovakian patent 89919, cl. 12 o. 14,
registered 25 Nov 56, exhibited 15 Aug 58, patent
valid 25 Nov 57, pub. 15 May 59.

DESCRIPTORS: *Potassium compounds, *Phthalates,
*Terephthalic acid, Esters, Production, Catalysts,
*Laboratory equipment, Pressure vessels, Design.

The equipment, according to our invention, consists
of two counter-rotating, intermeshing worm gears
which are enclosed in a pressurized container the
diameter of which corresponds to the outer circumfer-
ence of the gears. The dry, free-flowing mixture of
potassium pthalage plus catalyst is introduced at one
(Engineering--Chemical, TT, v. 7, no. 10) (over)

62-10327

I. Ratusky, J.
II. Sorm, F.
III. Patent (Czechoslovakia)
89 919

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Ratusky, Josef and Novosad, Jan.
A METHOD FOR THE PRODUCTION OF NORMAL
ALKALINE SALTS OF ISOMERIC PHTHALIC ACIDS.
[1961] 5p.
Order from OTS or SLA \$1.10

61-18610

Trans. of Czechoslovakian patent 95337, appl. 3 Sep 58
(PV 4498-58) valid from 3 Sep 58, issued 15 Nov 59,
pub. 15 Apr 60.

DESCRIPTORS: *Salts, Production, *Phthalic acids,
Isomers, Chemical reactions.

A method is given for the production of normal alkaline
salts of isomeric phthalic acids from the free acids,
characterized by the fact that the isomeric phthalic
acids are heated at a temperature of 250-370°C with
normal alkaline or acid alkaline salts of phthalic acid
at atmospheric or sub-atmospheric pressure, the re-
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-18610

I. Ratusky, J.
II. Novosad, J.
III. Patent (Czechoslovakia)
95 337

Office of Technical Services

... and reaction water being con-
tinuously distilled out of the reaction mixture.

PB-

61-18610

<p>Ratusky, Josef and Novosad, Jan. A NEW METHOD AND APPARATUS FOR PRODUCING ESTERS OF ISOMERIC PHTHALIC ACIDS. [1961] [7p. Order from OTS or SLA \$1.10 <i>ATS-98R79C</i> Trans. of Czechoslovakian patent 93557, appl. 9 Aug 58 (PV 4157-58) patent valid from 9 Aug 58, pub. 15 Jan 60, issued 15 Apr 59.</p> <p>DESCRIPTORS: *Phthalic acids, *Isomers, Esterifica- tion, *Esters, Production, Pressure vessels, Design.</p> <p>A method is described for preparing esters of isomeric phthalic acids, in which a mixture of acid, alcohol, and a catalyst is mixed while being heated at a temperature of 200 to 335°C. The method is characterized by the fact that alkaline salts of these acids are used as the catalyst, counter-flow esterification of the alcohol (Chemistry--Organic, TT, v. 6, no. 9)</p>	<p>61-18612</p> <p>I. Ratusky, J. II. Novosad, J. III. Patent (Czechoslovakia) 93 557</p> <p>Office of Technical Services</p>
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being achieved by spiral shunting, the alcohol taking up
the developing esters, which are thus freed from
impurities.

PB- 61-18612

61-18609

Ratusky, Josef and Sorm, Frantisek.
A METHOD FOR THE PRODUCTION OF TERE-
PHTHALIC ACID FROM POTASSIUM TEREPHTHAL-
ATE. [1961] 4p. 61-18609
Order from OTS or SLA \$1. 10

Trans. of Czechoslovakian patent 94033, appl.
18 Nov 57 (PV 4370-57) valid from 18 Nov 57, issued
15 May 58, pub. 15 Feb 60.

DESCRIPTORS: *Phthalic acids, Production, Potassium
compounds, *Phthalates, Chemical reactions.

A method is given for the production of terephthalic
acid from potassium terephthalate, characterized by
the fact that acid potassium terephthalate is precipi-
tated from an aqueous solution of potassium tere-
phthalate by the action of carbon dioxide at a pressure
of 1-70 atmospheres, and terephthalic acid is liberated
(Chemistry--Organic, TT, v. 6, no. 9) (over)

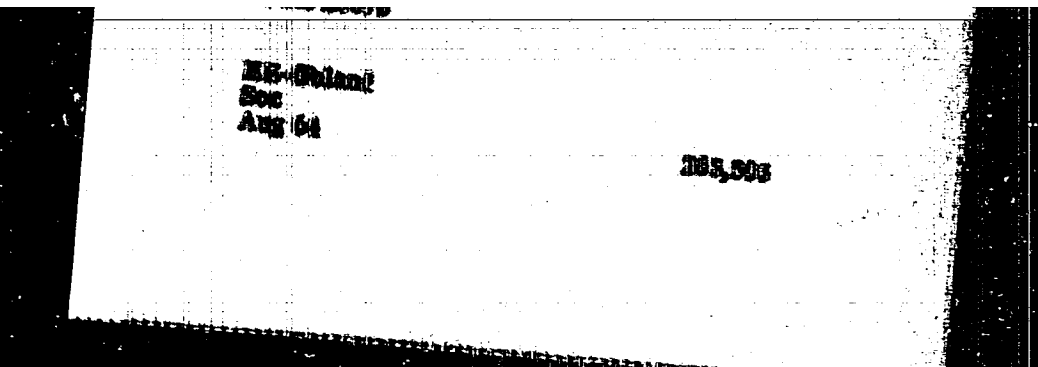
- I. Ratusky, J.
- II. Sorm, F.
- III. Patent (Czechoslovakia)
94 033

Office of Technical Services

from the acid potassium terephthalate by disproportionation on boiling with water.

PB-

61-18609



The Use of Solar Energy as the Heat Source for a
Heat Pump, by G. ~~Ratyani~~, R. Khuntsariya, O.
Turkestanishvili, 5 pp.

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The Problem of Determination of the Index of Refraction of the Air During Distance Measurement with Electro-Optical and Pulsed-Wave Range Finders, by M. V. Ratynskiy, 9 pp.

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The Association Between Germanium and the Petro-
graphic Components of Fossil Coals, by V. M.
Ratynsky, L. Ye. Shterenberg, 3 pp.

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