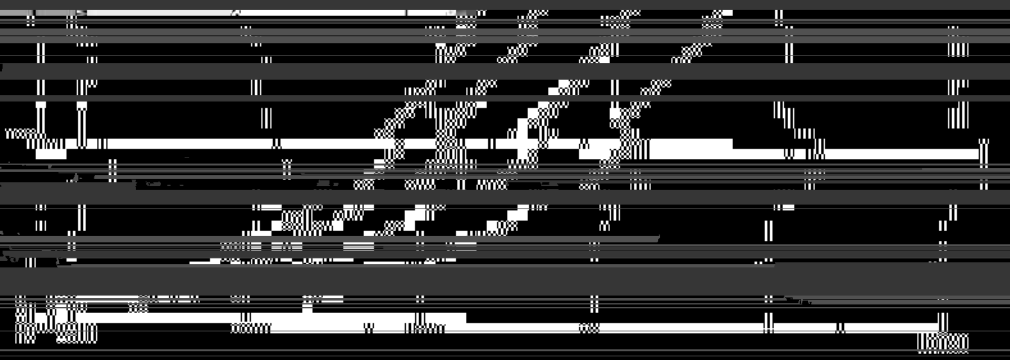
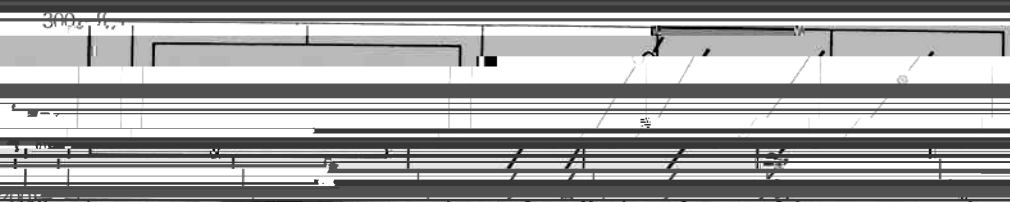
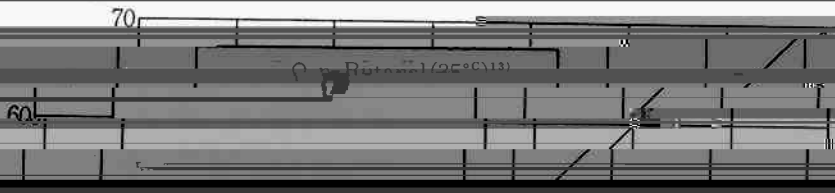


菊 地 光 雄

1. はじめに

媒抽出法⁵⁾⁶⁾も塩酸法と同じく特殊な存在である。

乾式法リン酸けエネルギーの上昇



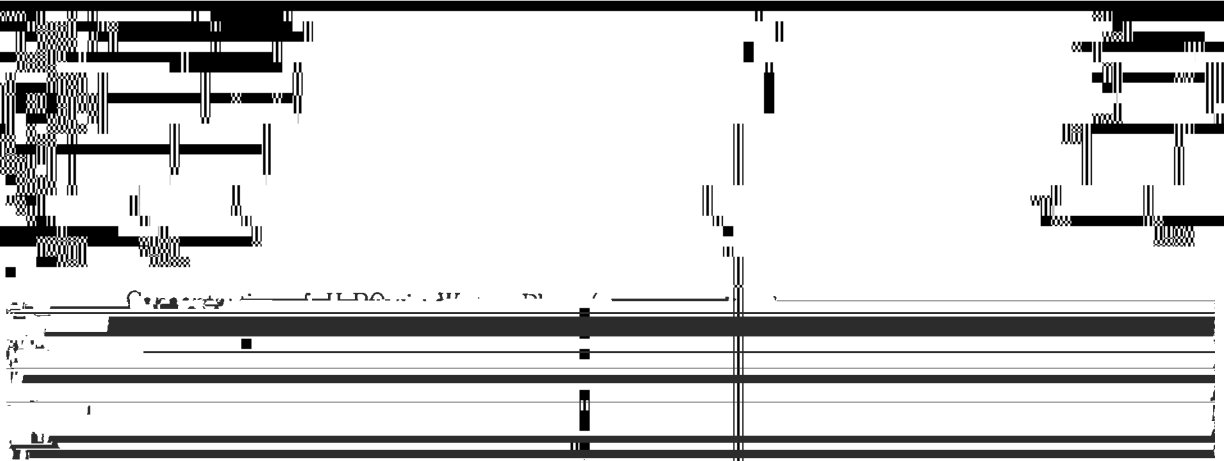
▼ MBK (35°C)¹³⁾



Coefficient

K(W/S)

- Ca
- Fe
- Ti
- Si
- SO₄
- As
- H₃PO₄



Selectivity**

90/10

Alcohol

Tempera-
ture-
K₂HPO₄

BSI BR

80/20

25°C 2451



BR 241600

n-Butyl

3.8

i-Am

1.



(K/S/W) in 100% (K/S/W) in
 1 part saturated with of
 with 16% of water

30%	0.17	0.26
10%	0.08	0.14
5%	0.05	0.12

phosphoric acid with five times its weight of the

合 得 成 子 精 制 二 磷 化 物 磷 化 物 精 制 法

Table 4 Comparison of selectivity

Component	Concentration (%)	Selectivity
...
...



66.2 4.48

Coast- Pechiney-Saint
 ituent Gobin⁵⁰⁾
 basic ...

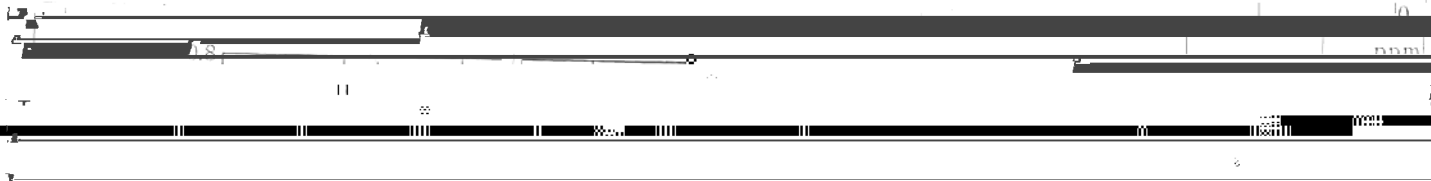
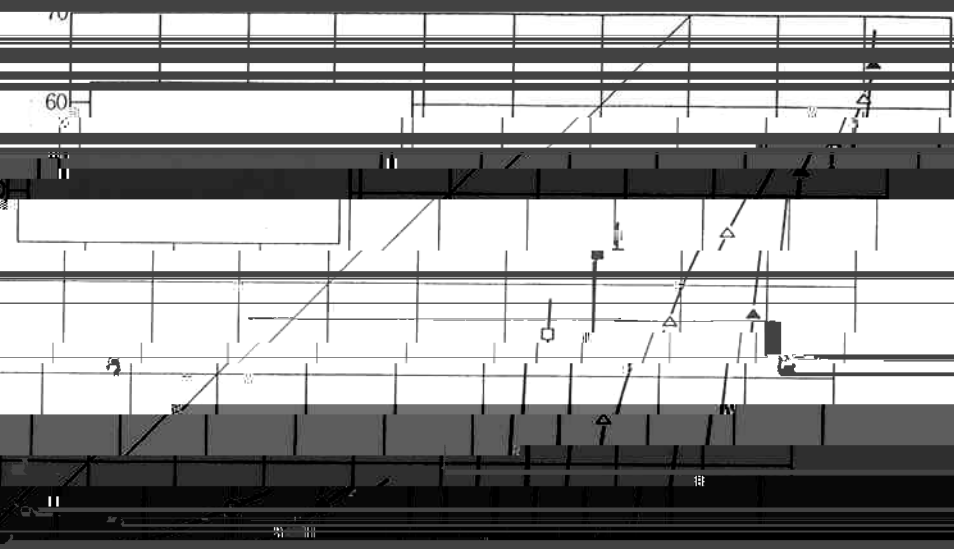


Fig. 5 Solubility curve

Table 5 Purification of phosphoric acid using



Concentration of H_3PO_4 in Solvent Phase

- Diisopropylether ($5^\circ C$)⁵⁴⁾
- " ($30^\circ C$)
- △ Di-n-Butylether ($5^\circ C$)⁵³⁾
- ▲ " ($80^\circ C$)

in Water Phase (%)

on distribution curve of H_3PO_4

--- SOLVENT STREAMS
 — AQUEOUS ACIDS

LIQUID-LIQUID CONTACTING AND SEPARATING

Fig. 8 Effect of temperature

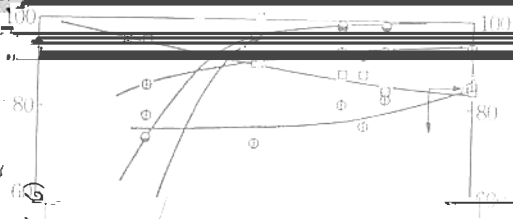
LIQUID-LIQUID SEPARATION

SOLVENT, PLUS

H₂O

ACID

Fig. 9 Flow diagram of Cleaning



Crude acid
 NH_3
 $Ca(OH)_2$

Precipitated

and Reaction

Weight Ratio $CH_2OH:DO$

Separation

Ion exchange

Final purification

Sludge

文 献

9) U.S. Pat. 1,000,111 (1932)

10) U.S. Pat. 1,000,112 (1932)

[Redacted header text]

2. [Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

3. [Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

4. [Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]

[Redacted line of text]