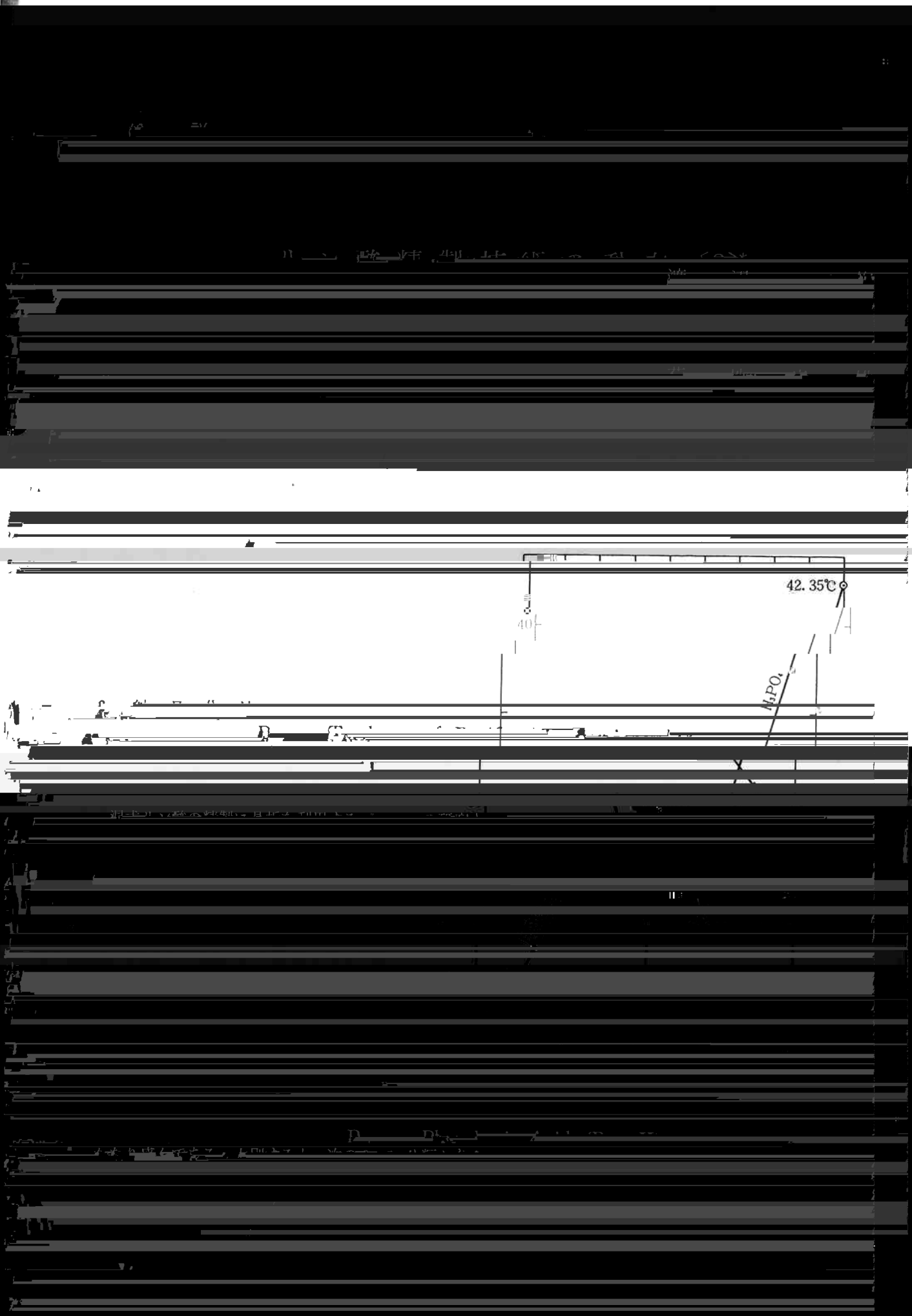
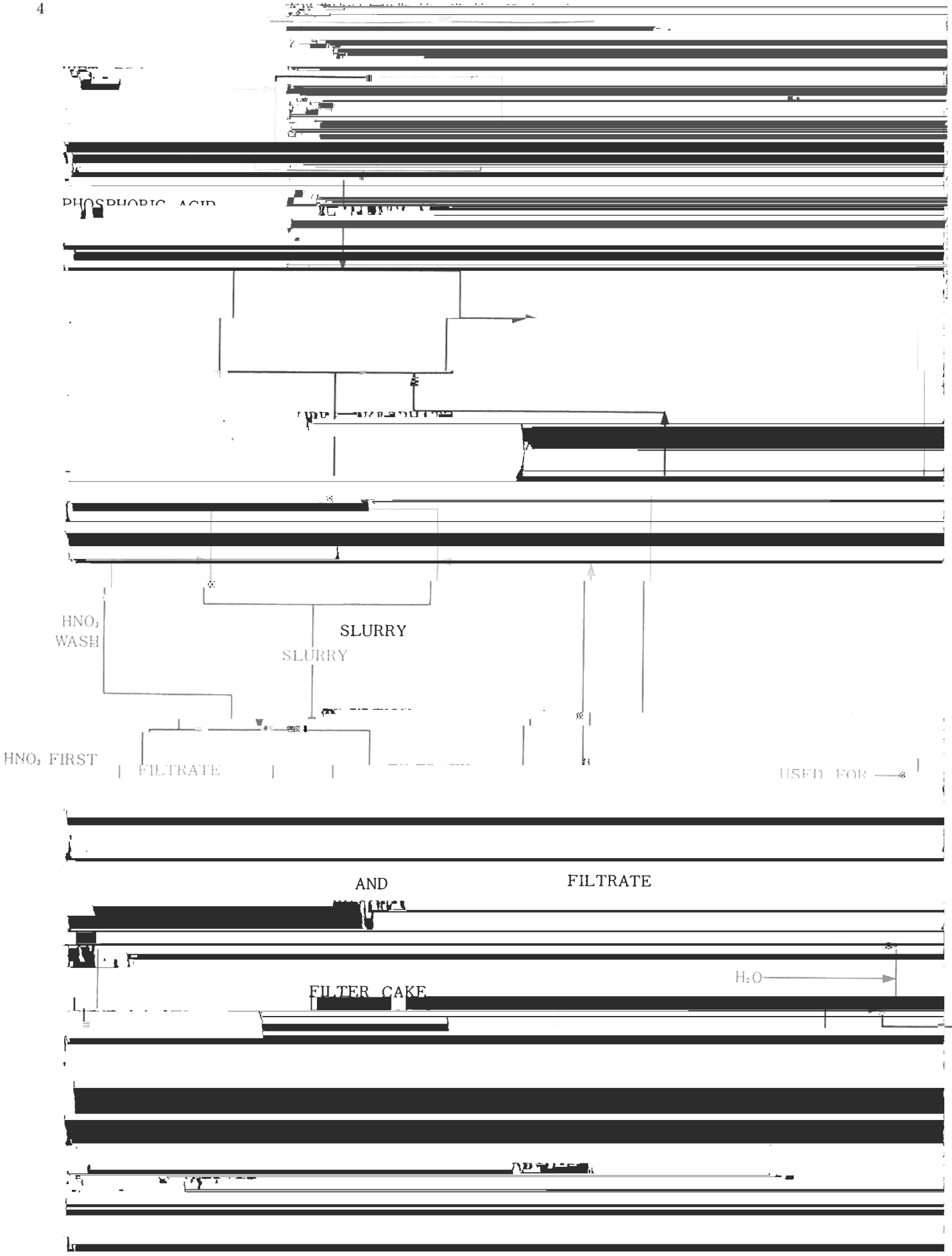
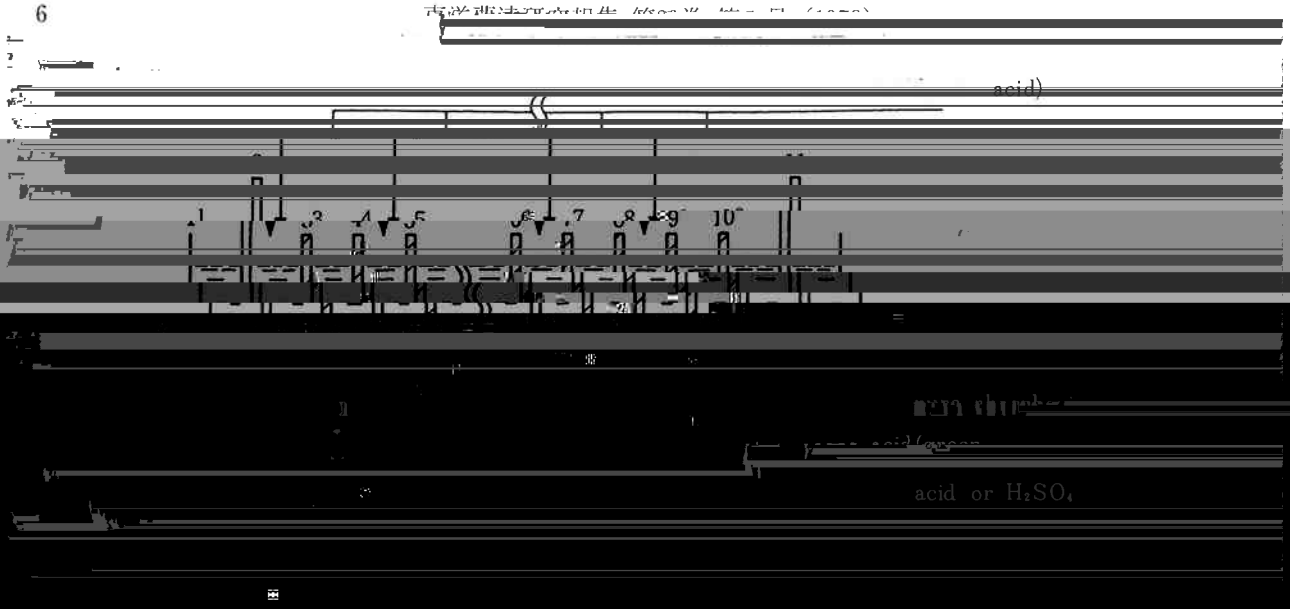

42.35℃
40
H_3PO_4


PHOSPHORIC ACID
HNO_3
WASH
SLURRY
SLURRY
HNO_3 FIRST
FILTRATE
USED FOR
AND
FILTRATE
H_2O
FILTER CAKE

Recovery of Ure pho phate

Lv 2% (P_2)



1 ..... bath
2 ..... cathode
3 5 7 9 ..... anion exchange membrane

交換樹脂でイオン交換させて精製リン酸を得る方法[105]

Acid composition

	wt%
P_2O_5	35
SO_4	1.3
Si	0.65
Al	0.20
Ca	0.14
Mg	[illegible]
Na	0.03
V	[illegible]
Cr	0.021

	Untreated	Treated
30% Acid Colour	Yellow with brownish tint	Light yellow with greenish tint

Table 4 Amount of adsorbed Iron (Fe milli-mole/g dry resin) in mixed acid (H_3PO_4

らの不純物より構成された結晶性錯化合物として沈澱除

H_3PO_4(mol/ℓ)	0	4	6
	0.12		

去する方法[78]や，340～540°C の燃焼ガス中で湿式リン

2					0.03
4	0.13		0.10	0.25	0.07
5			0.48	0.87	
6	0.75	0.80	1.01	1.30	1.73
7				1.55	X
8	1.85	1.97	2.04	X	X
9			X		X

Extract

P_2O_5

P_2O_5 (%)	(%)

液も効果的で、溶媒の再生は鉱酸で行う。これらの溶媒

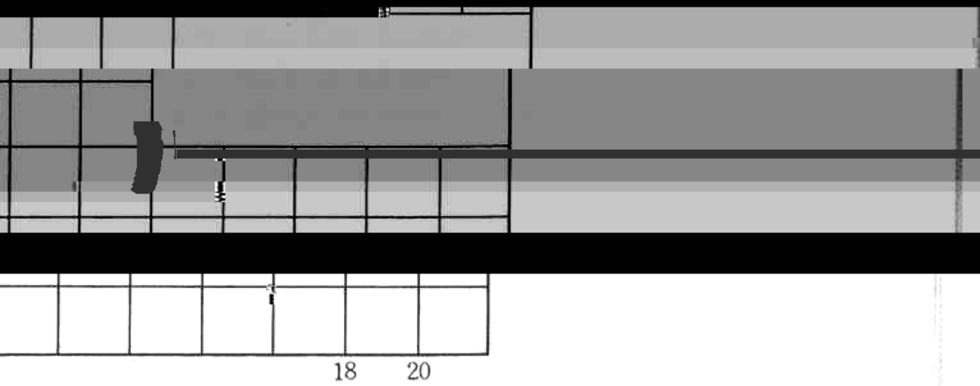
は陽イオン交換体に分類されるべきものであり，樹脂に

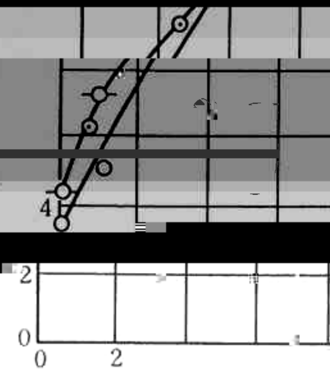
Constituent

(%)

1.	0.		0.1	0.23
1.1	0.	1.51	0.1	0.04

63.0





RECYCLE II

H_3PO_4 MCP

FILTRATION

[redacted]

35) Freeport

(1970).

[redacted]

75) 〃 "特開昭59-147507"

06) Dow Chemical "特公昭[illegible]"