

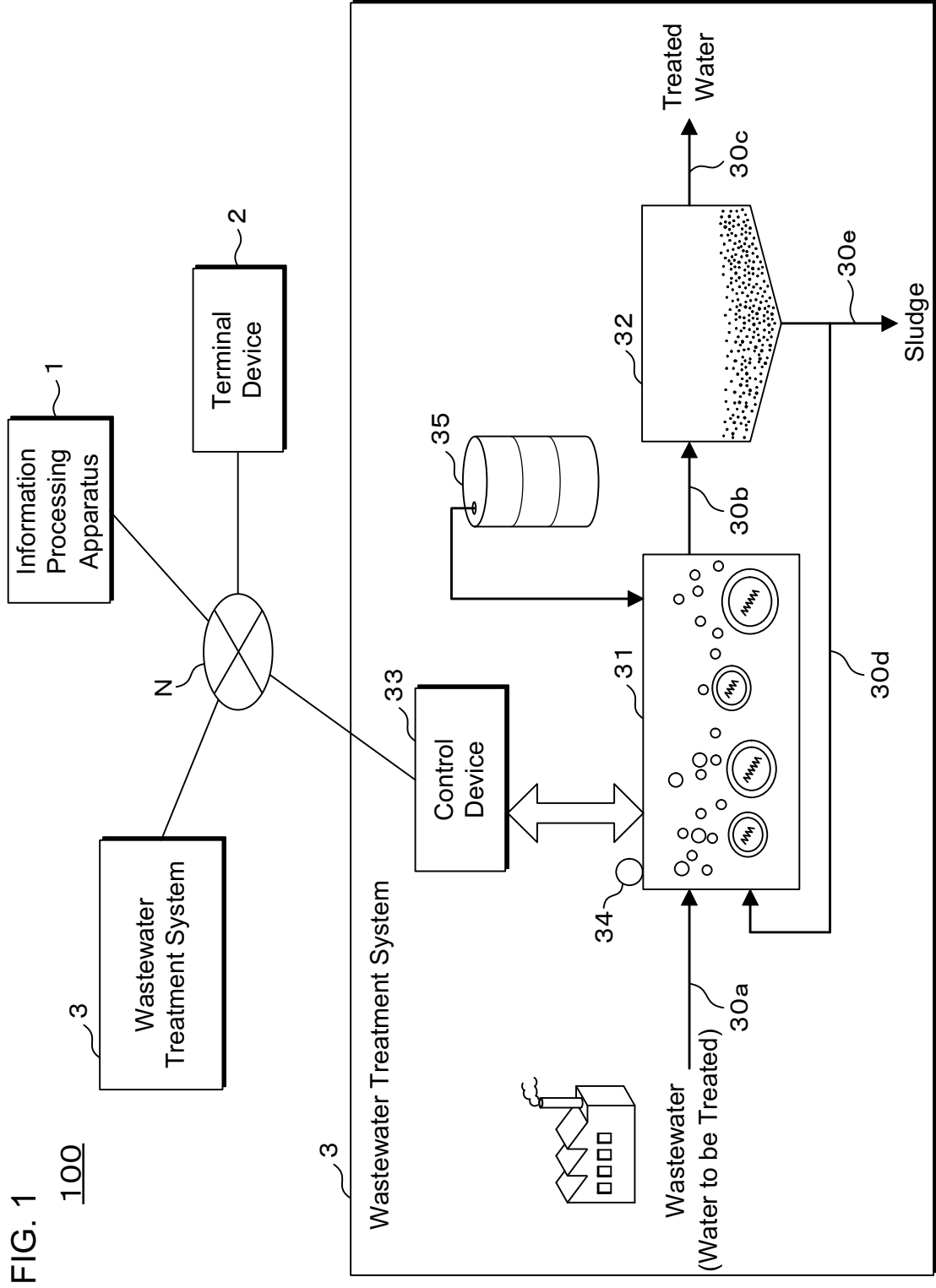


FIG. 2

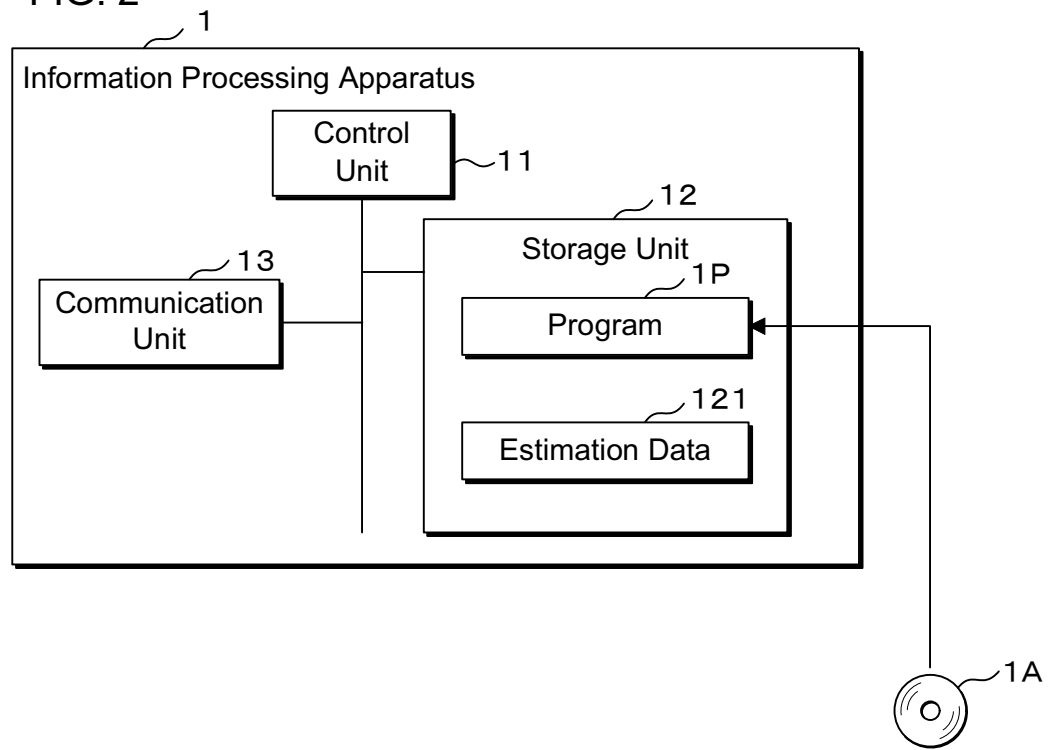


FIG. 3

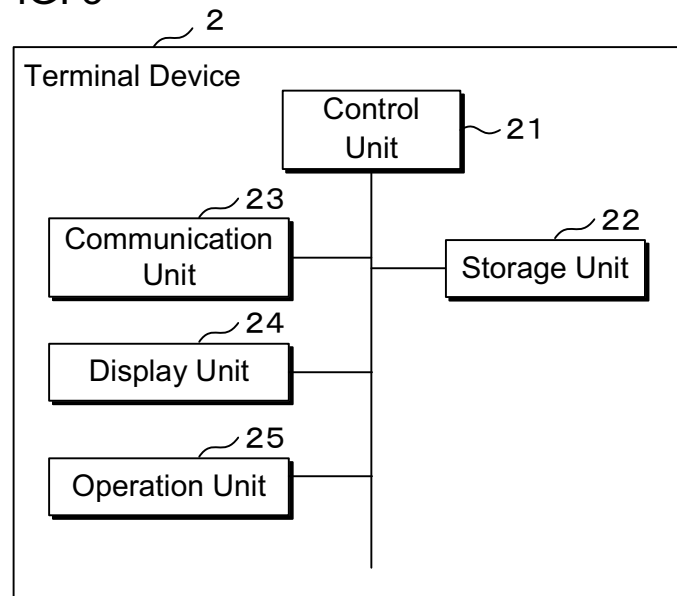


FIG. 4

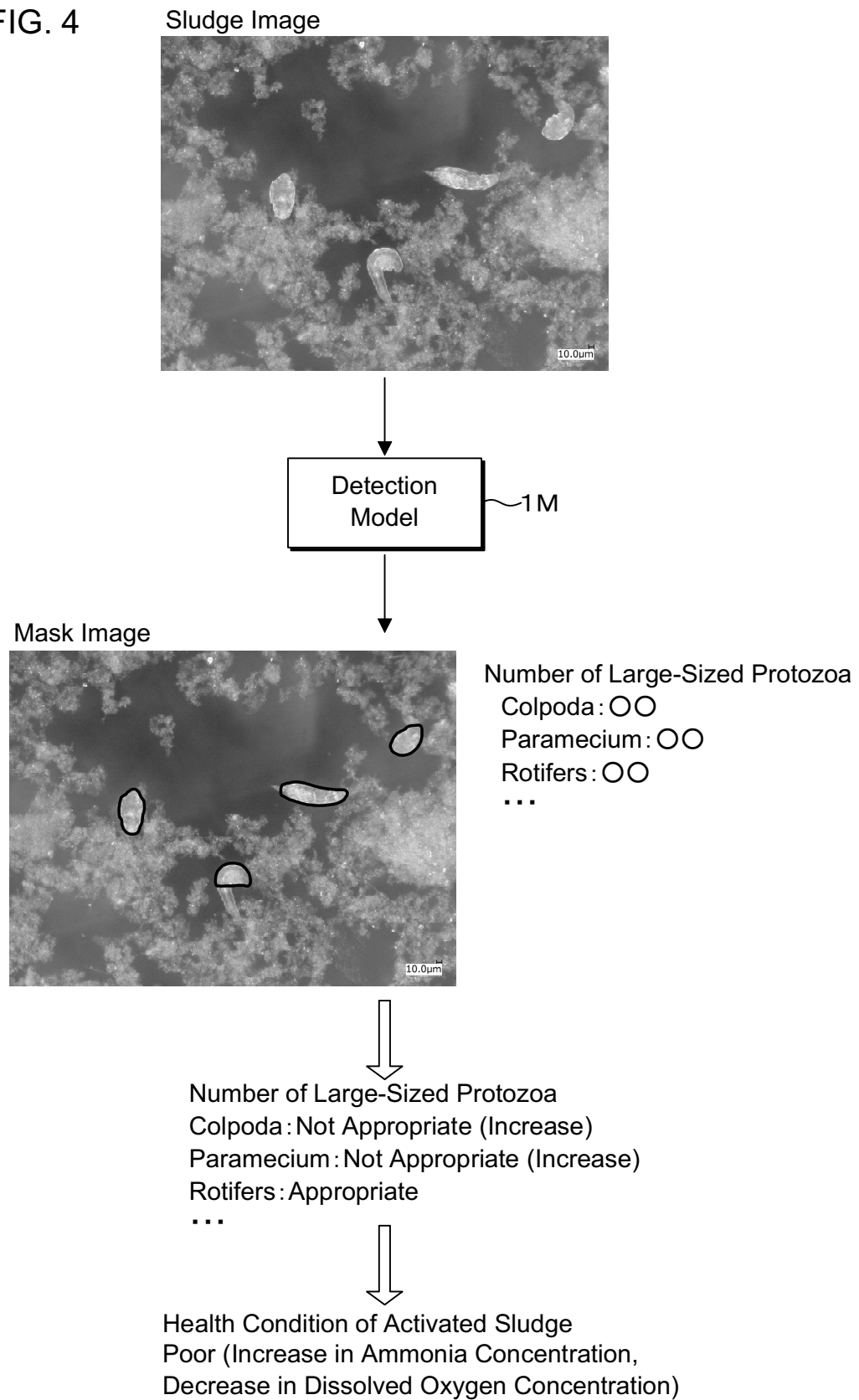


FIG. 5

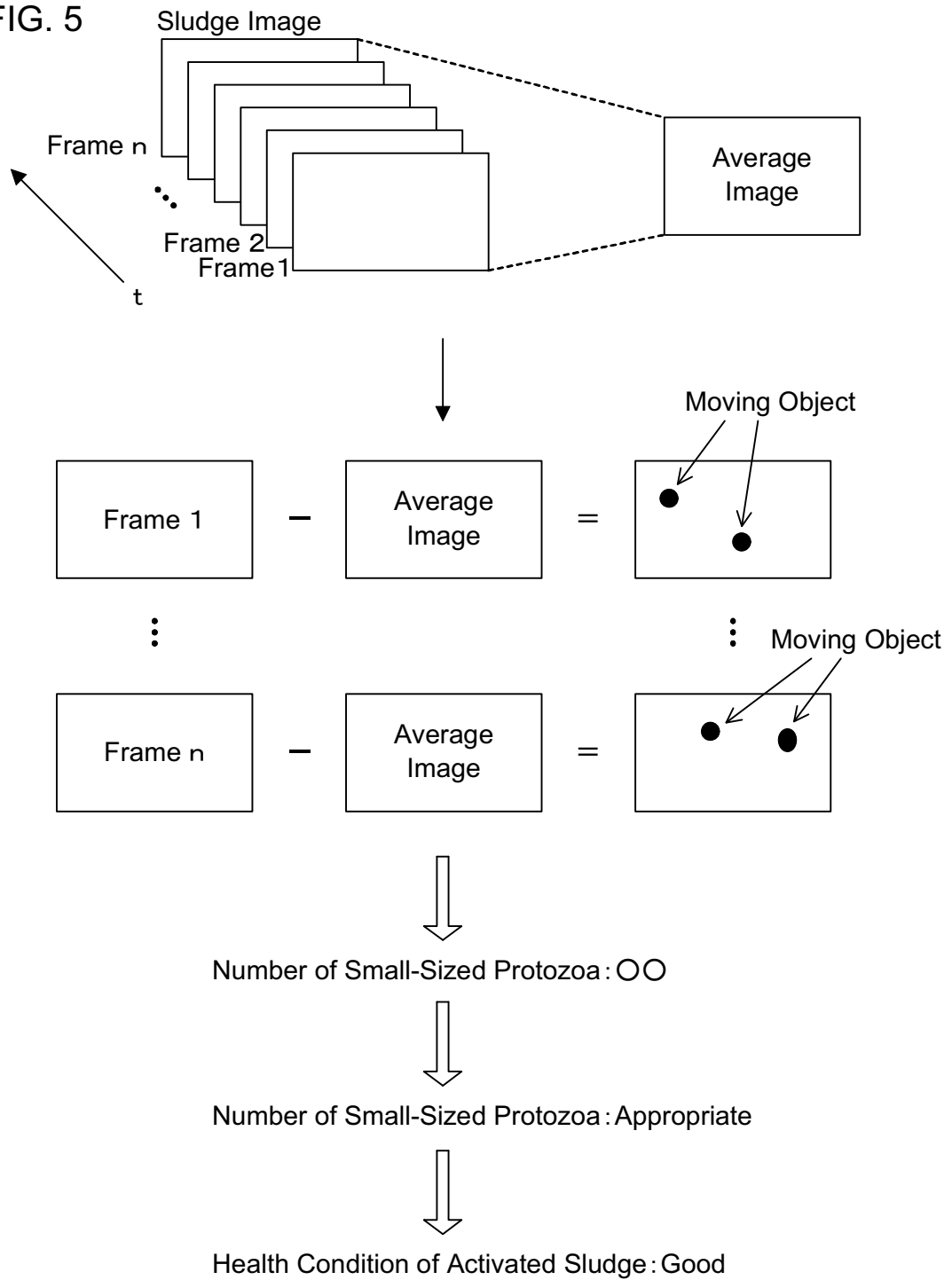
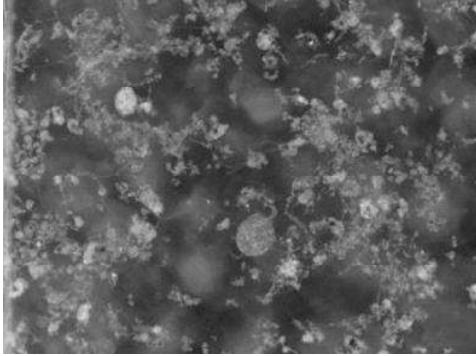
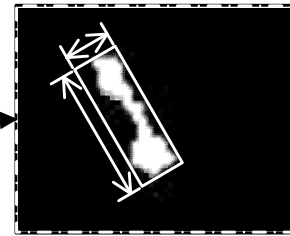
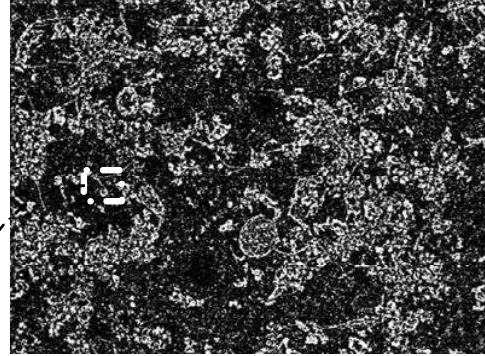


FIG. 6

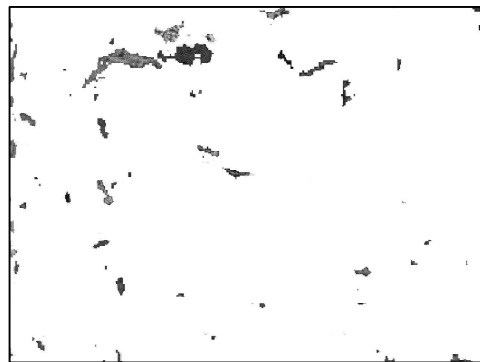
Sludge Image



Binarized Image



Extract Blob That Satisfy Extraction Condition



Number of Filamentous Bacteria : ○○、Area of Filamentous Bacteria : ○○

Number of Filamentous Bacteria : Appropriate、Area of Filamentous Bacteria : Appropriate

Health Condition of Activated Sludge : Good

FIG. 7

Sludge Image



Binarized Image



Feature Quantity

	Region 1	Region 2	Region 3	...	Average Value
Area	300	1000	400	...	770

Size of The Flocs : Not Appropriate(Dispersing or Disintegrating)

Health Condition of Activated Sludge :
Poor (Increase in Sludge Loading , Over-Aeration)

FIG. 8

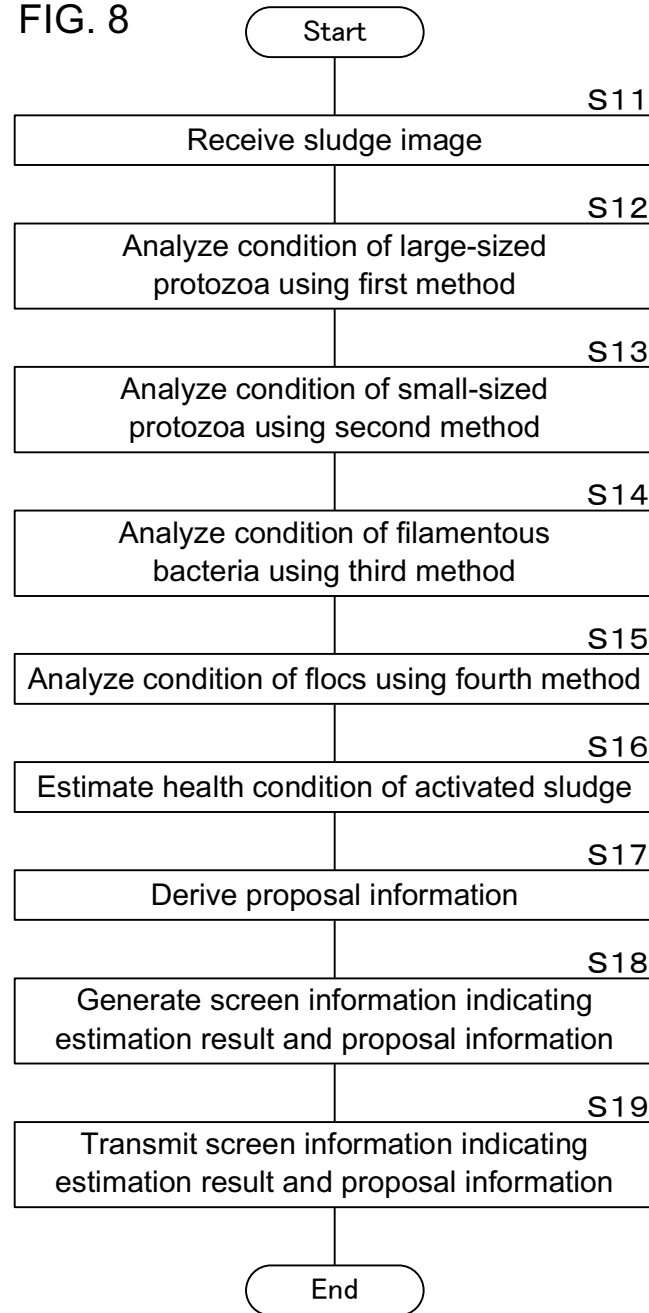


FIG. 9

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Wastewater Management Service						〇〇〇〇
Wastewater Treatment System ID: 001						
Microorganism	Condition of Microorganism		Health Condition of Activated Sludge	241	242	Proposal Information
Protozoa (100 μ m~)	Colpoda	Increase <u>Display Image</u>	Poor (Increase in Ammonia Concentration)	241	242	Dilute wastewater
	Paramecium	Increase <u>Display Image</u>	Poor (Decrease in Dissolved Oxygen Concentration)			Increase in aeration flow rate
	Rotifers	Appropriate	Good			—
	Appropriate		Good			—
Filamentous Bacteria	Appropriate		Good			—
Flocs	Dispersing or Disintegrating <u>Display Image</u>	243				Increase the amount of addition of preparation A Suppression of treatment flow rate