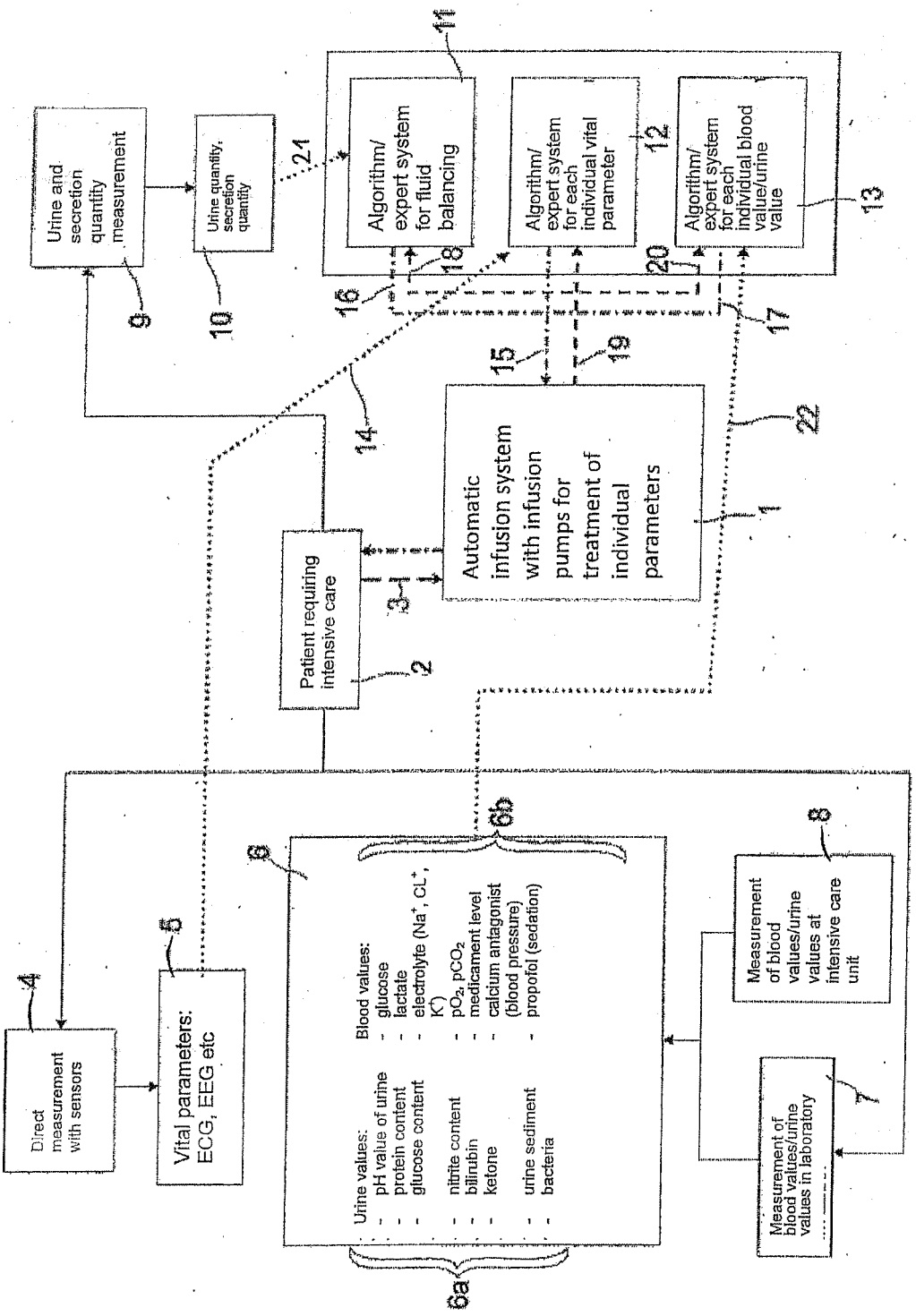
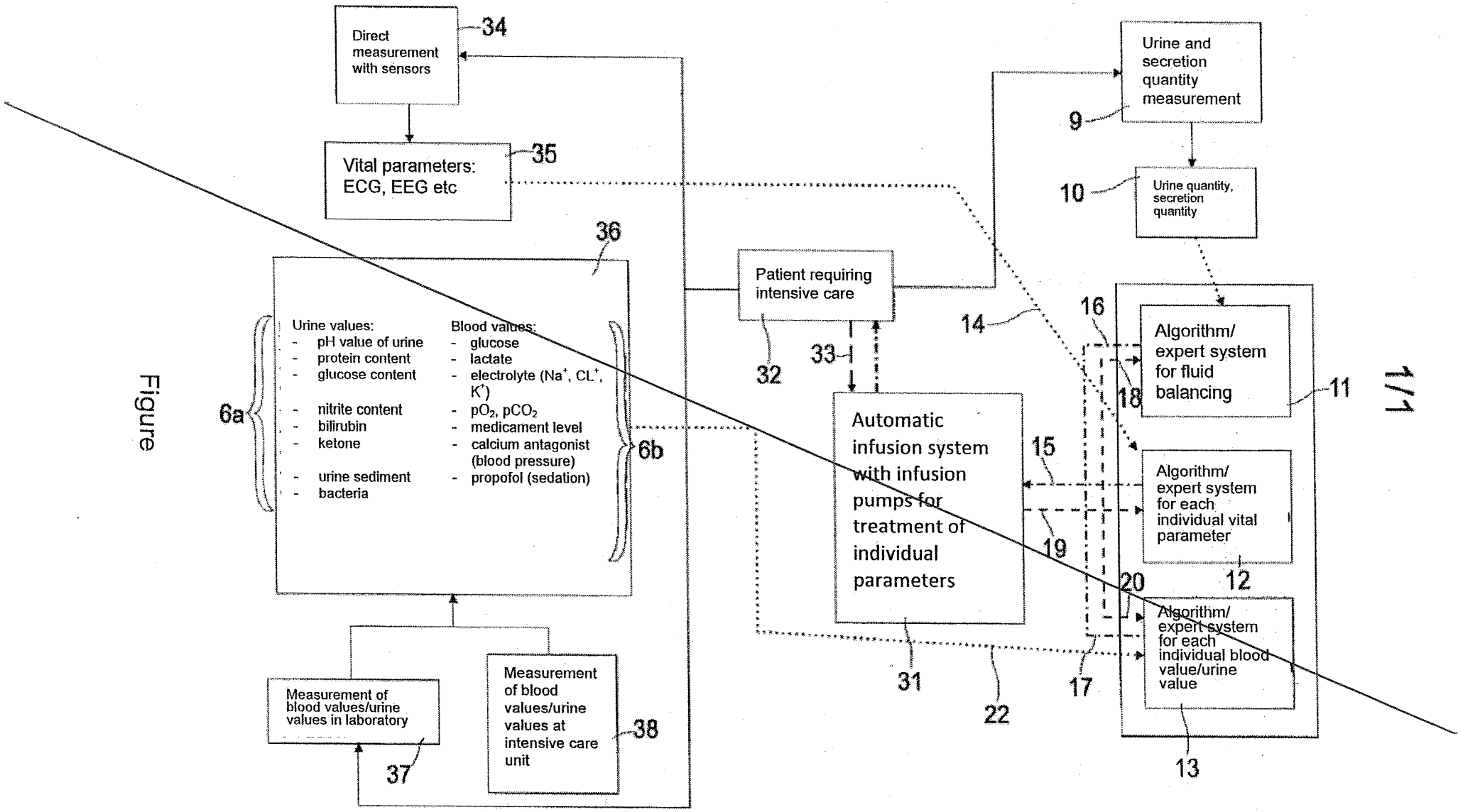

Urine and secretion quantity measurement
Urine quantity, secretion quantity
Algorithm/ expert system for fluid balancing
Algorithm/ expert system for each individual vital parameter
Algorithm/ expert system for each individual blood value/urine value
Automatic infusion system with infusion pumps for treatment of individual parameters
Patient requiring intensive care
Direct measurement with sensors
Vital parameters: ECG, EEG etc
Urine values:
- pH value of urine
- protein content
- glucose content
- nitrite content
- bilirubin
- ketone
- urine sediment
- bacteria
Blood values:
- glucose
- lactate
- electrolyte (Na^+, CL^+, K^+)
- pO_2, pCO_2
- medicament level
- calcium antagonist (blood pressure)
- propofol (sedation)
Measurement of blood values/urine values at intensive care unit
Measurement of blood values/urine values in laboratory
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6a
6b
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Figure


Direct measurement with sensors
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Vital parameters: ECG, EEG etc
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6a
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Measurement of blood values/urine values in laboratory
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Measurement of blood values/urine values at intensive care unit
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Automatic infusion system with infusion pumps for treatment of individual parameters
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Urine and secretion quantity measurement
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Algorithm/ expert system for fluid balancing
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Algorithm/ expert system for each individual vital parameter
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Algorithm/ expert system for each individual blood value/urine value
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Figure

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