

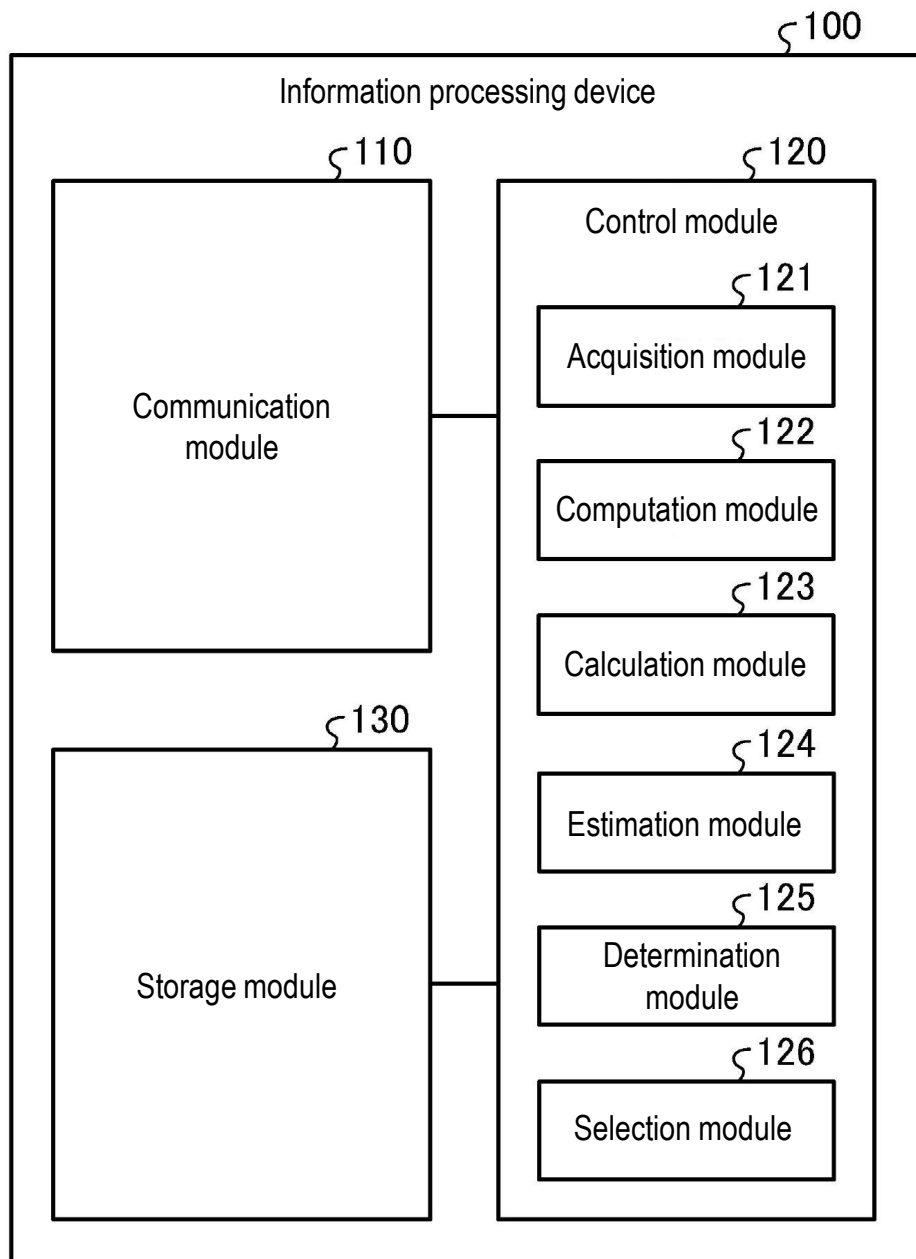


FIG. 1

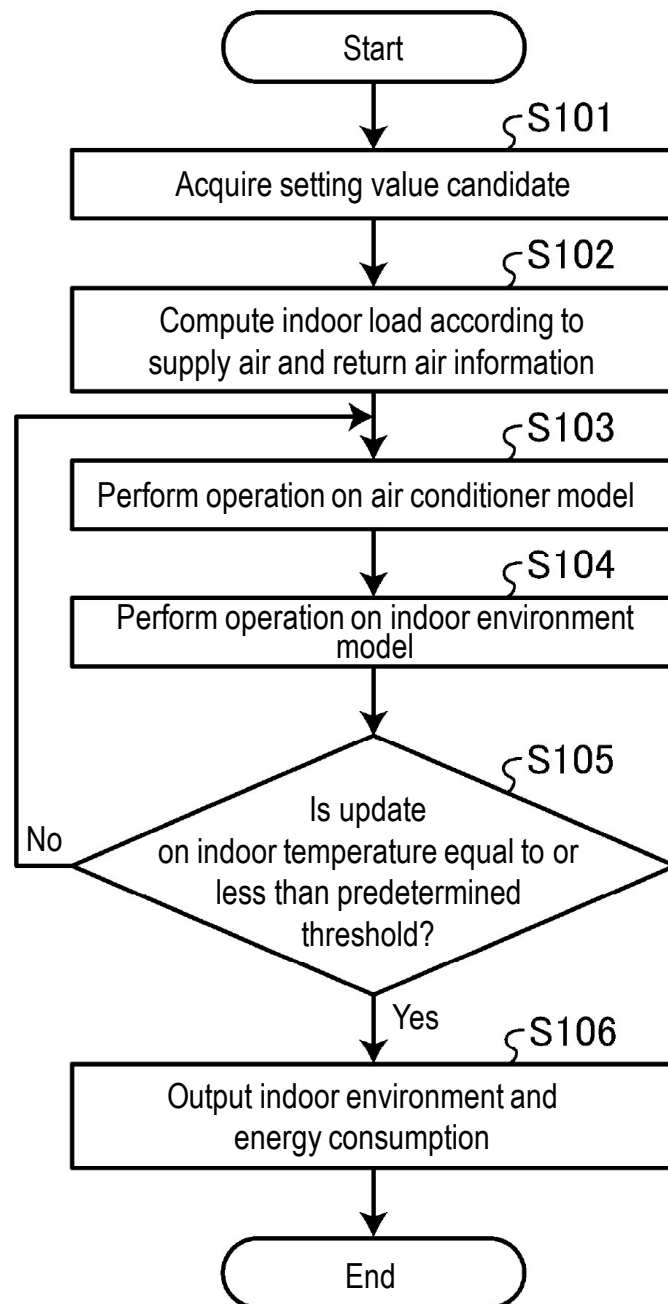
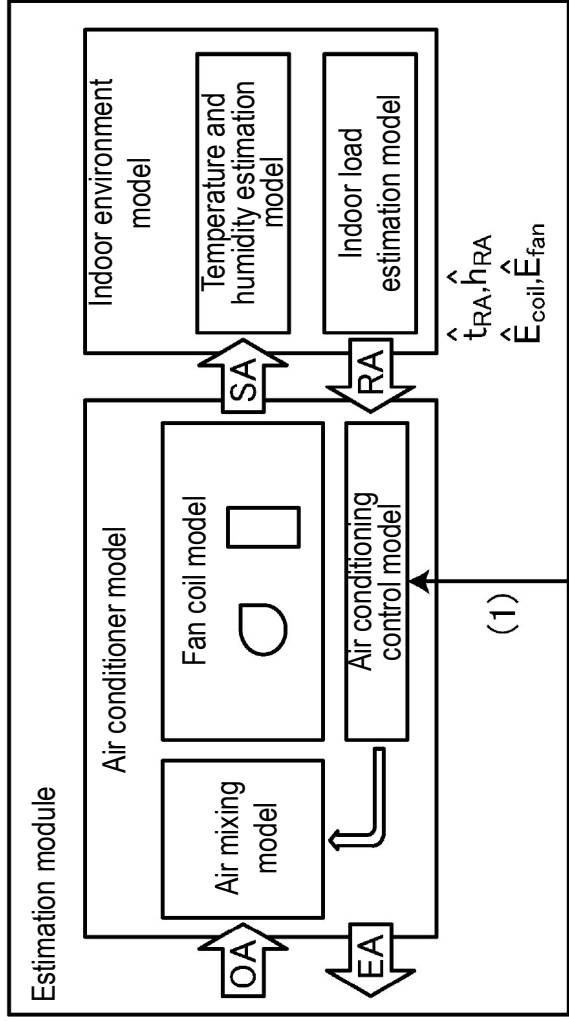


FIG. 2

Input

BAS
outdoor air condition=30 °C, indoor
temperature=26 °C, air conditioner
state=Active



Output

BAS: indoor temperature setting value, energy
consumption estimated value, indoor
environment estimated value

$\hat{t}_{RA}=25^{\circ}\text{C}$
 $\hat{h}_{RA}=50\%$
 $\hat{E}_{coil}=12\text{kWh}$
 $\hat{E}_{fan}=6\text{kWh}$

UI, other systems
Allowable range and optimal value (PMV) of
thermal sensation

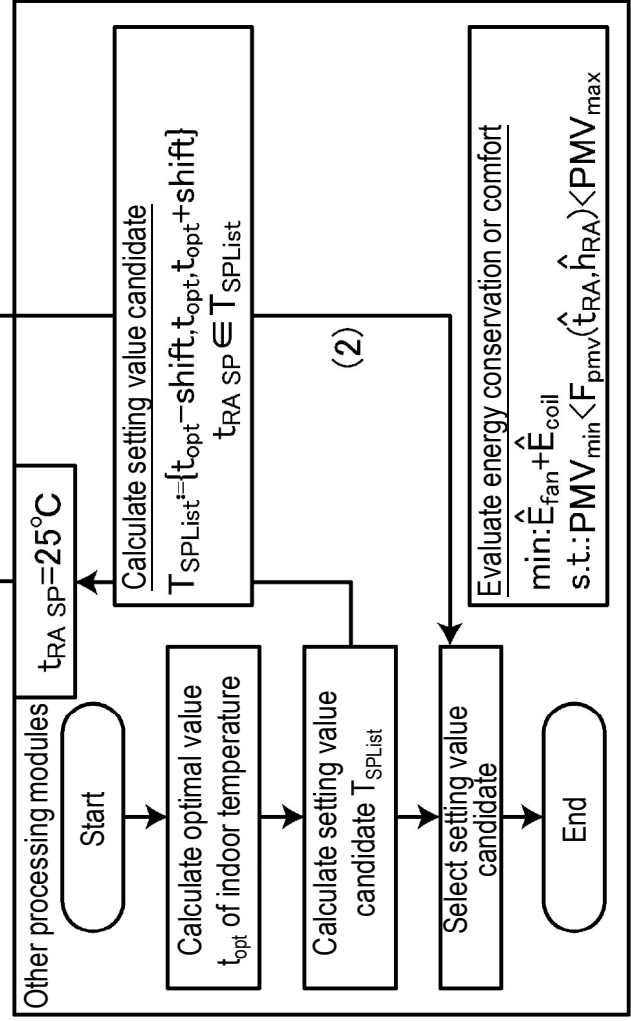


FIG. 3

Setting value candidate	Energy consumption	Thermal sensation
24	20kWh	○(0.3)
24.5	19kWh	○(0.4)
25	18kWh	○(0.5)
25.5	17.6kWh	× (0.6)
26	17.3kWh	× (0.7)

FIG. 4

Setting value candidate	Energy consumption	Thermal sensation
24	20kWh	× (0.7)
24.5	19kWh	× (0.8)
25	18kWh	× (0.9)
25.5	17.6kWh	× (1.1)
26	17.3kWh	× (1.3)

FIG. 5

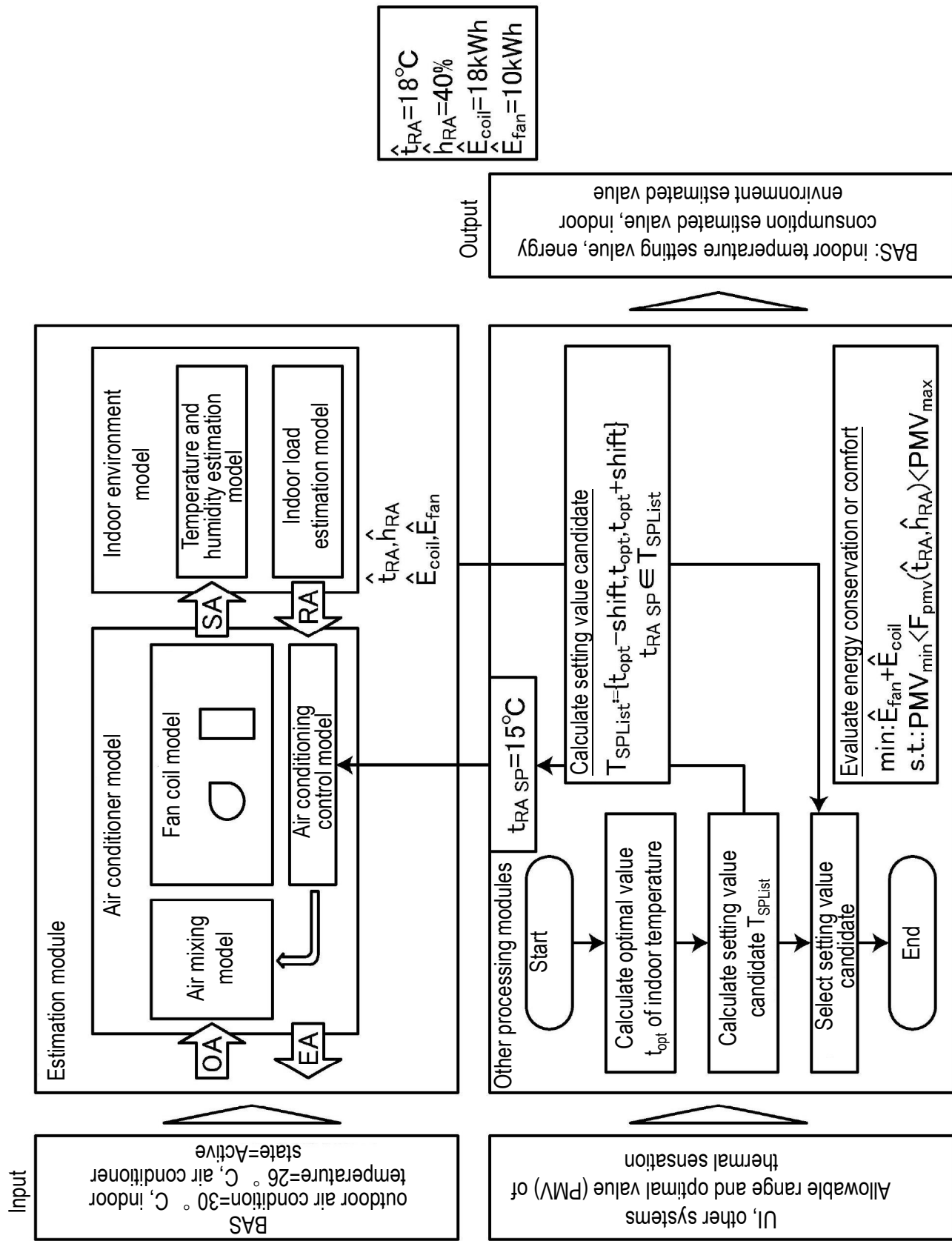


FIG. 6

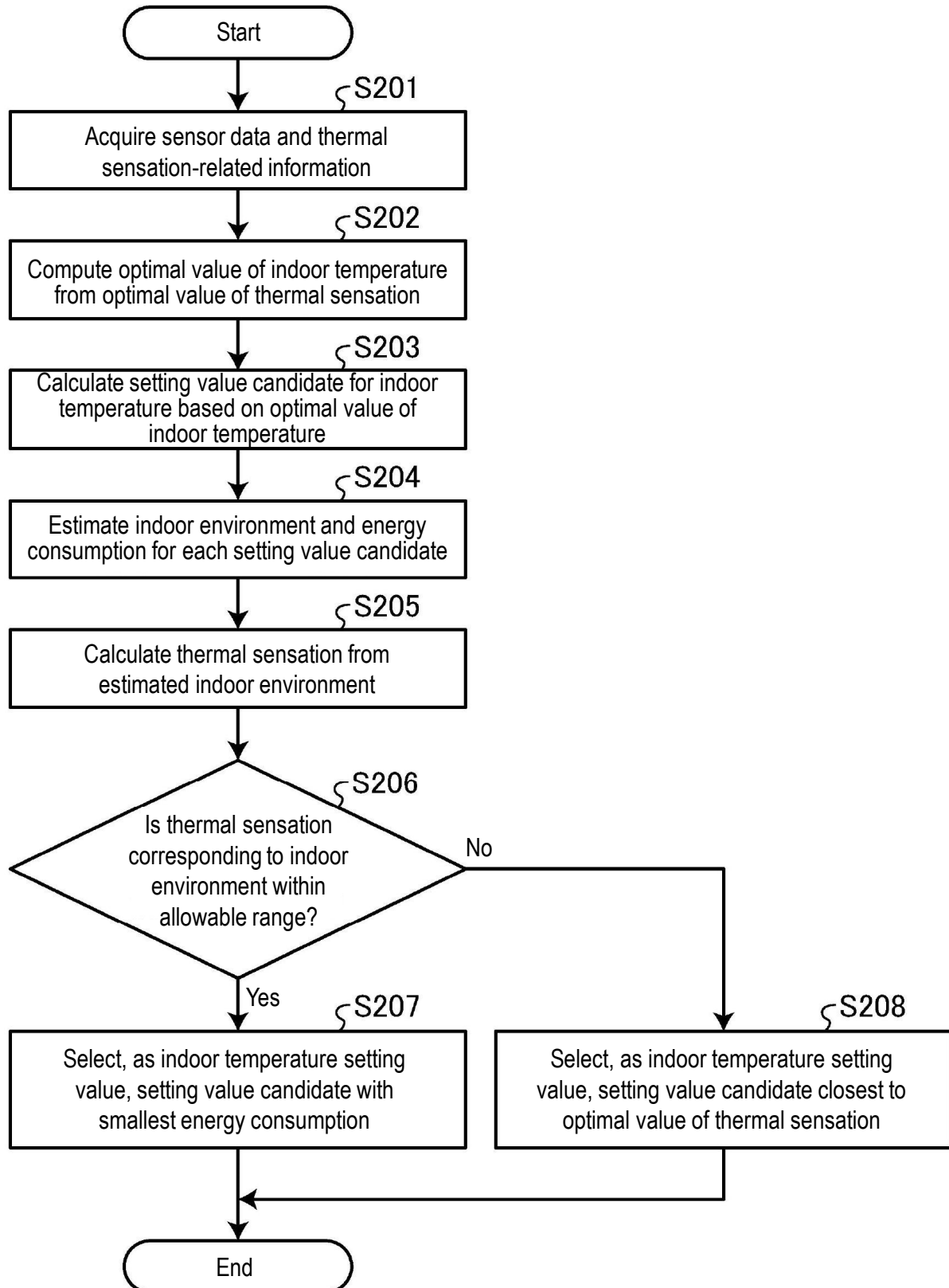


FIG. 7

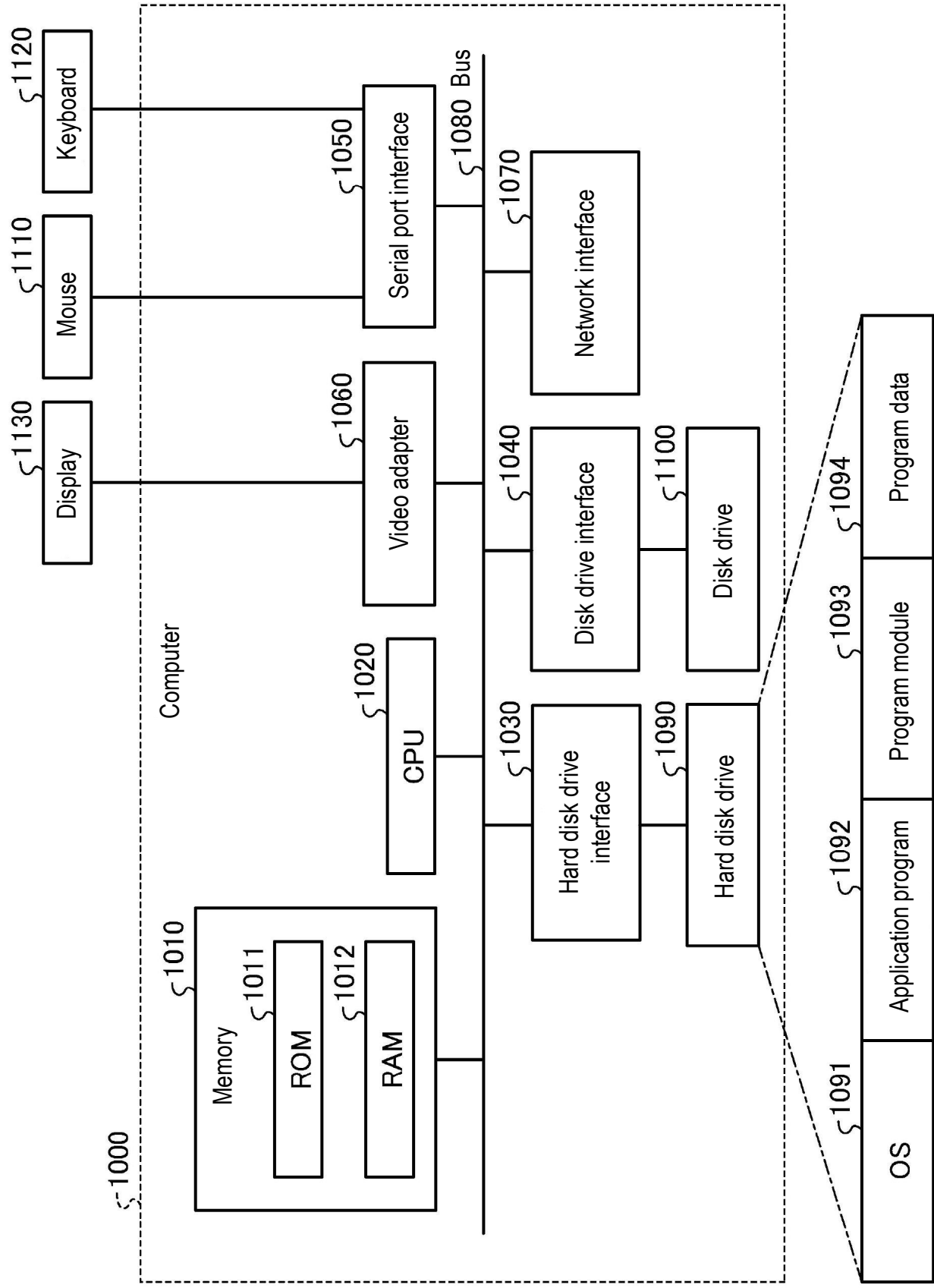


FIG. 8