

1/X

Real-time calorie
counting system 100

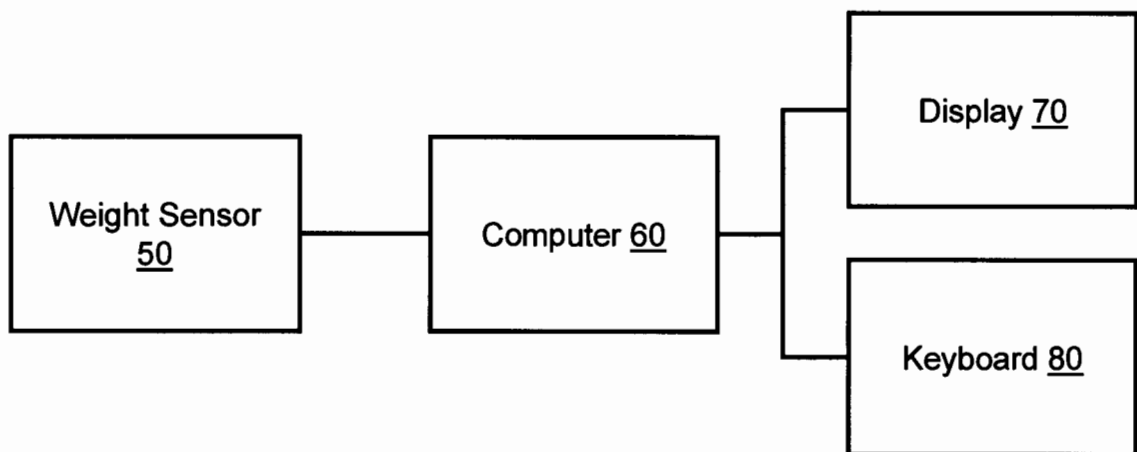


FIG. 1

2/X

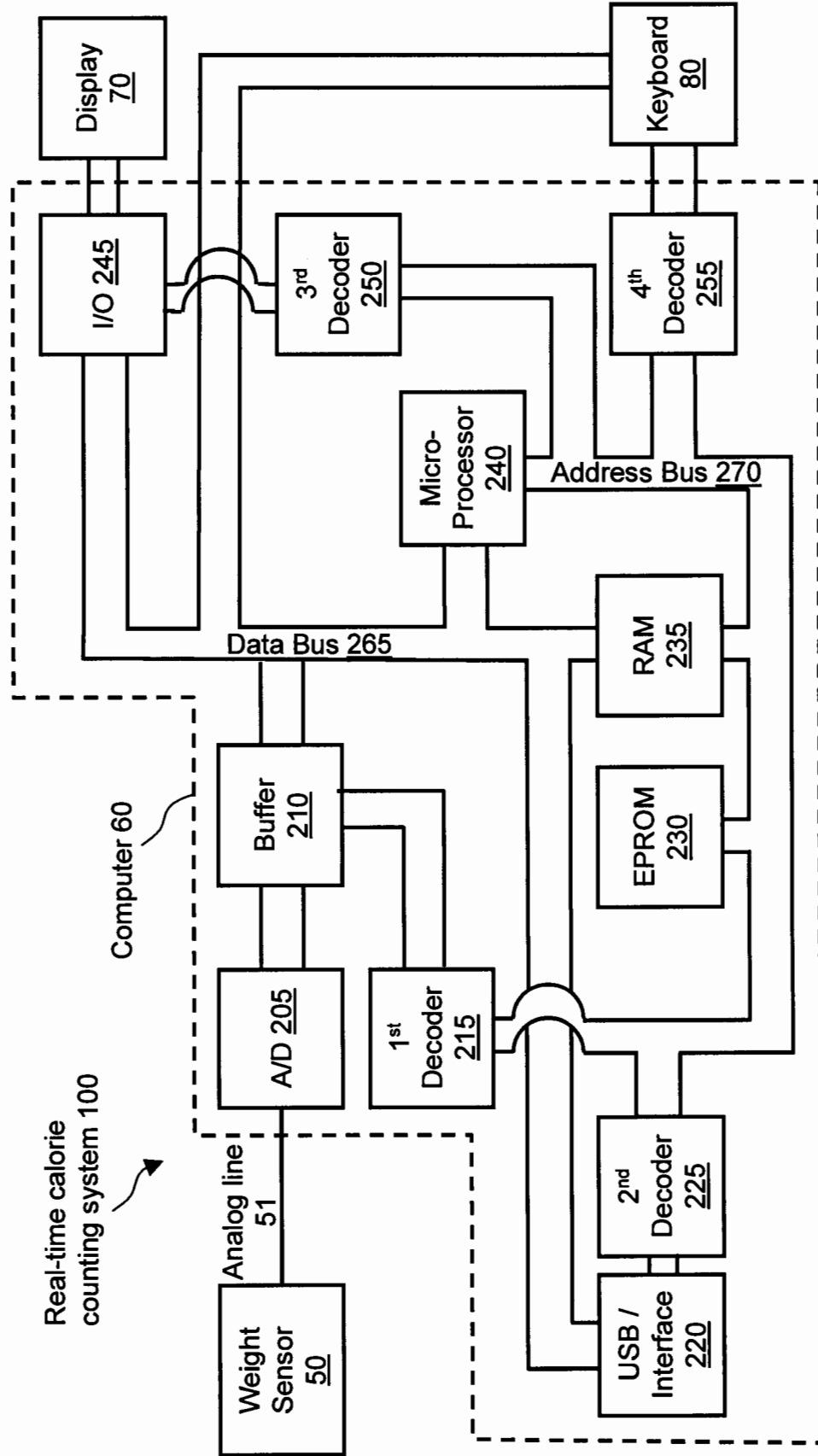


FIG. 2A

3/X

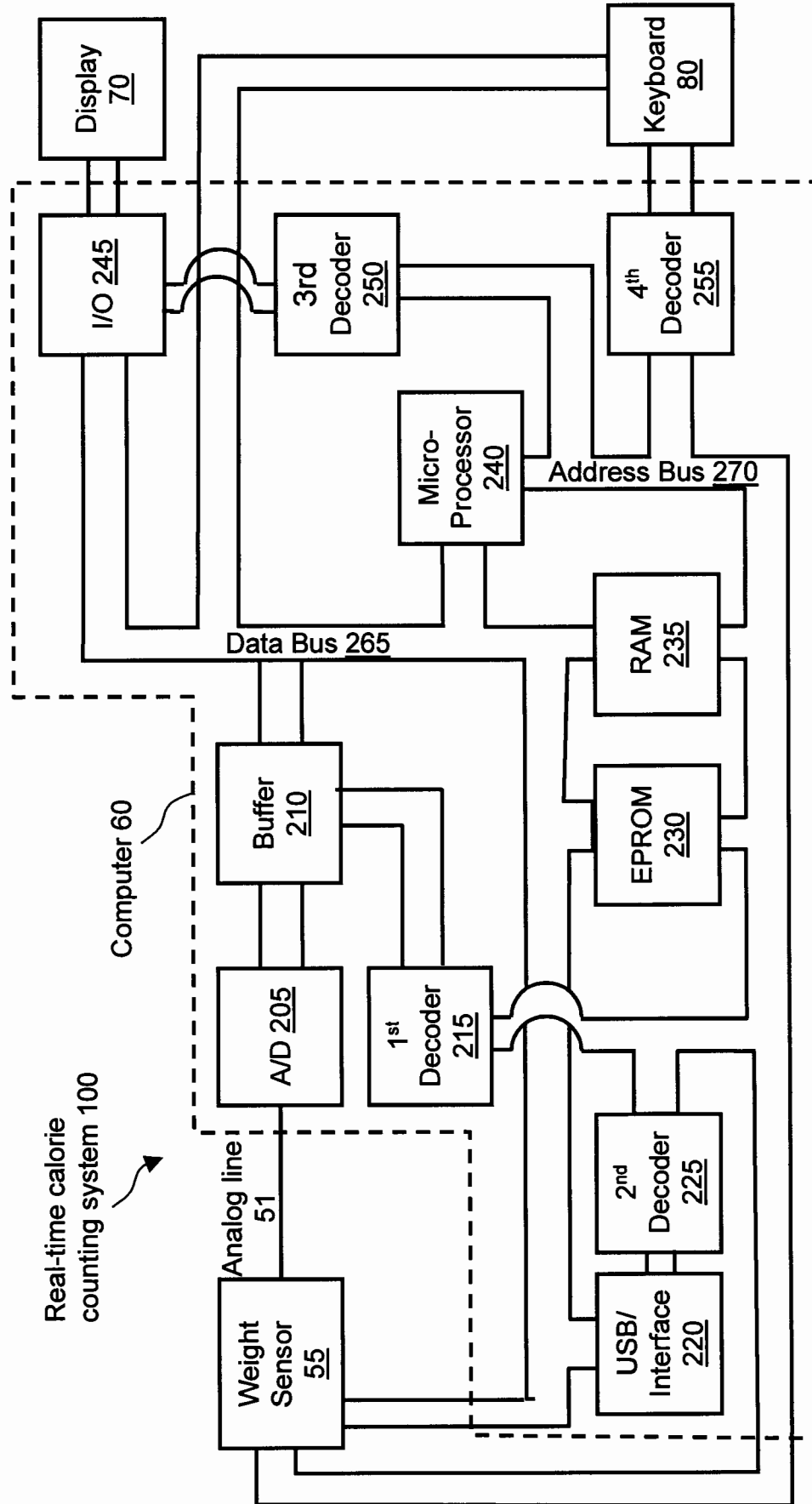
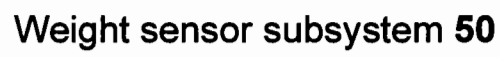


FIG. 2B

+



+

+

 $5/X$

Weight sensor subsystem 55

 $5/X$

3rd Output 335

1st Output 325

2nd Output 330

Switch matrix 310

Resistor 120₁Resistor 120₂Resistor 120₃Resistor 120_n

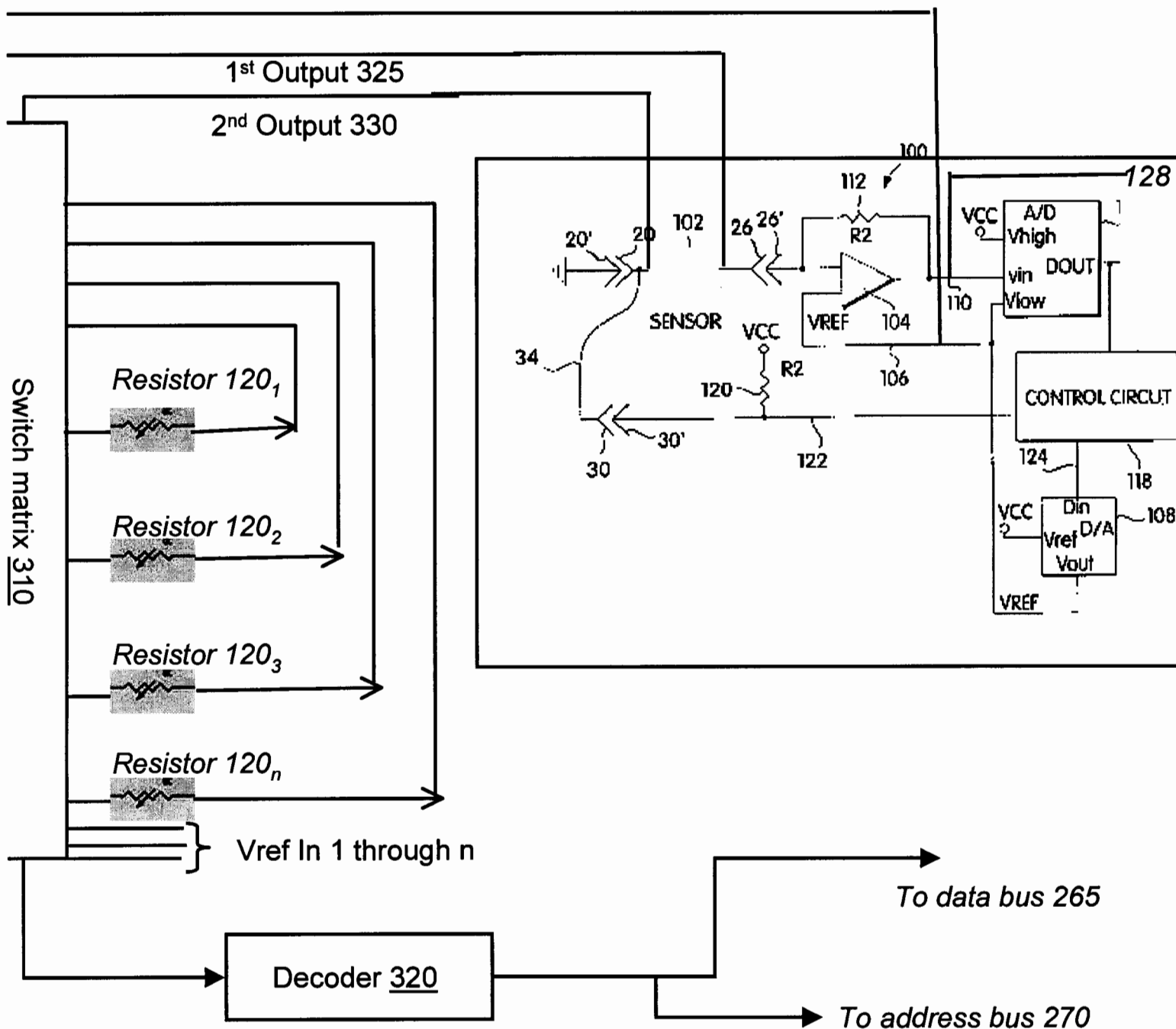
Vref In 1 through n

Decoder 320

To data bus 265

To address bus 270

FIG. 3B



+

6/X

Real time calorie counter 100

Weighing area 610

Pad 670

A

A'

USB regions 699

Mode selection
buttons regions 630

Food selection
Data regions 640

Summary data
Regions 650

Process selection
buttons regions 660

Display
Region 70

Overall Mode				[Button: ...]		[Button: ...]	
Current Food Name				[Button: ...]		[Button: ...]	
Meal Tracking				[Button: ...]		[Button: ...]	
7/7/05 12:17PM				Broccoli 72 cal	Mashed Potatoes 150 cal	Chicken 120 cal	TBD
Summary Info				Target: 600 cal	This meal: 312 cal	Balance: 288 Daily: TBD	
Process				[Button: ...]	[Button: ...]	[Button: ...]	[Button: ...]

FIG. 3C

7/X

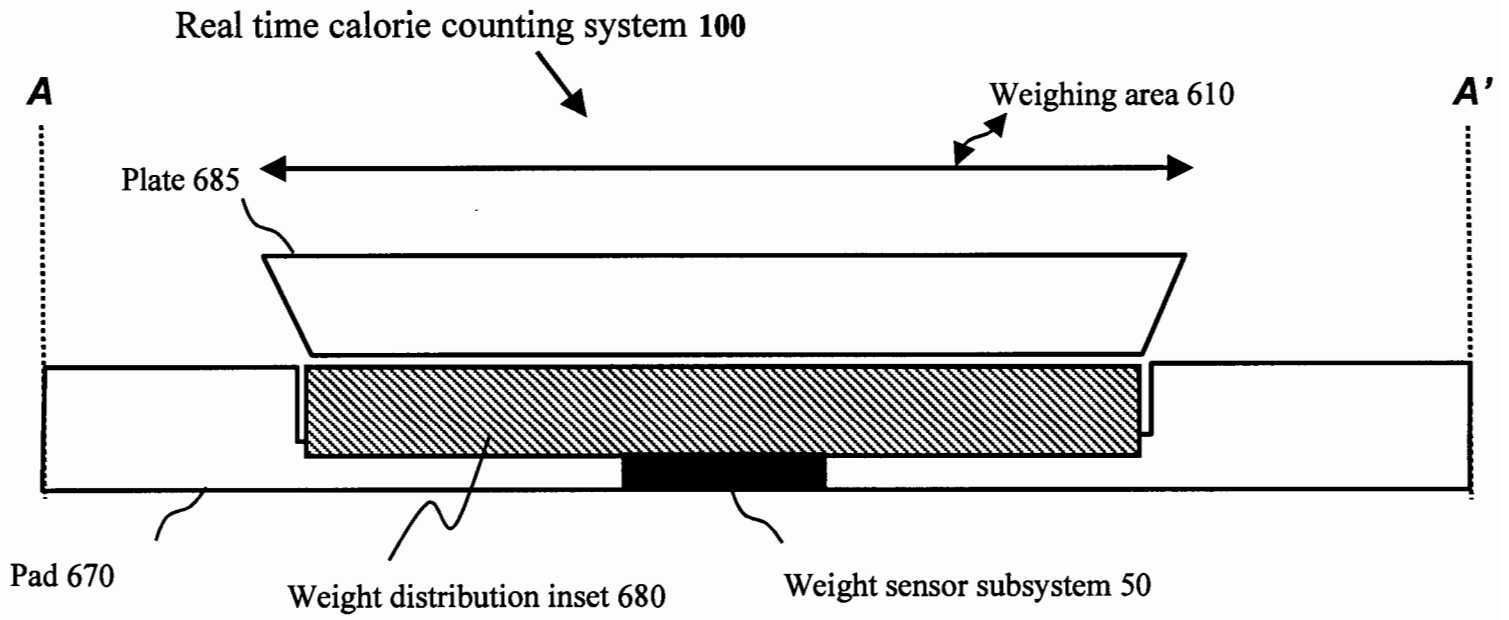


FIG. 3D

8/X

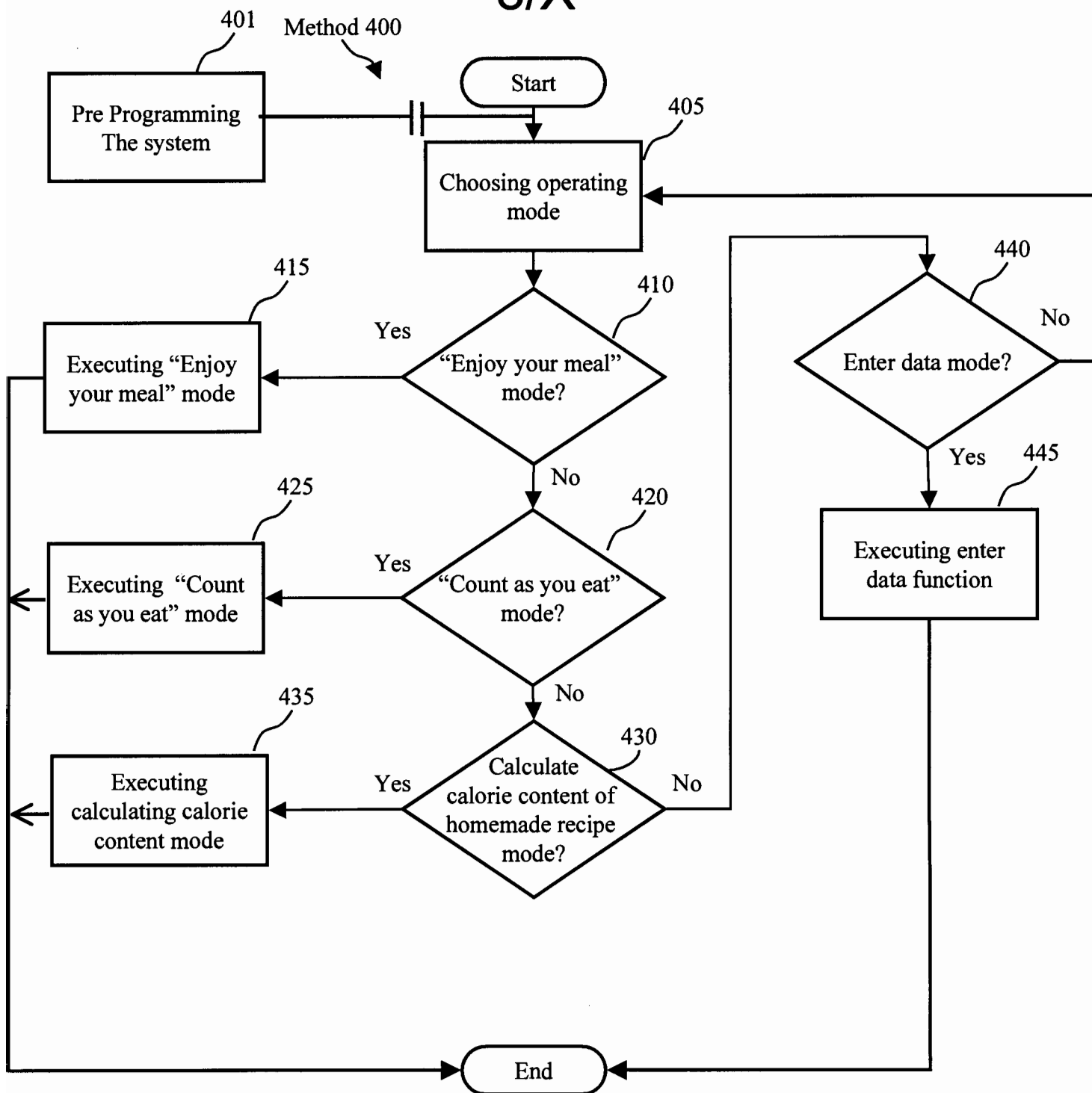


FIG. 4

9/X

Method 500

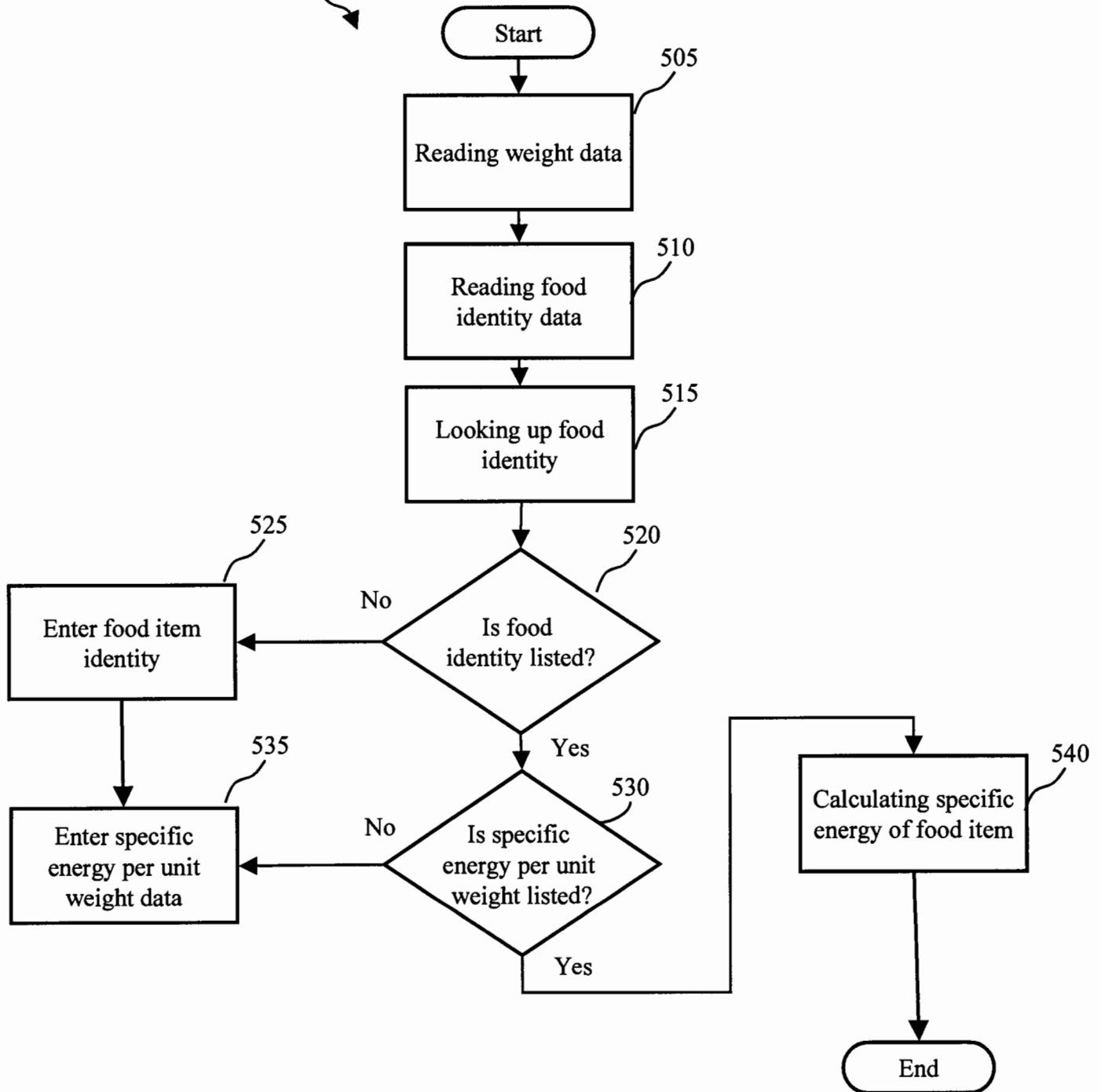


FIG. 5

10/X

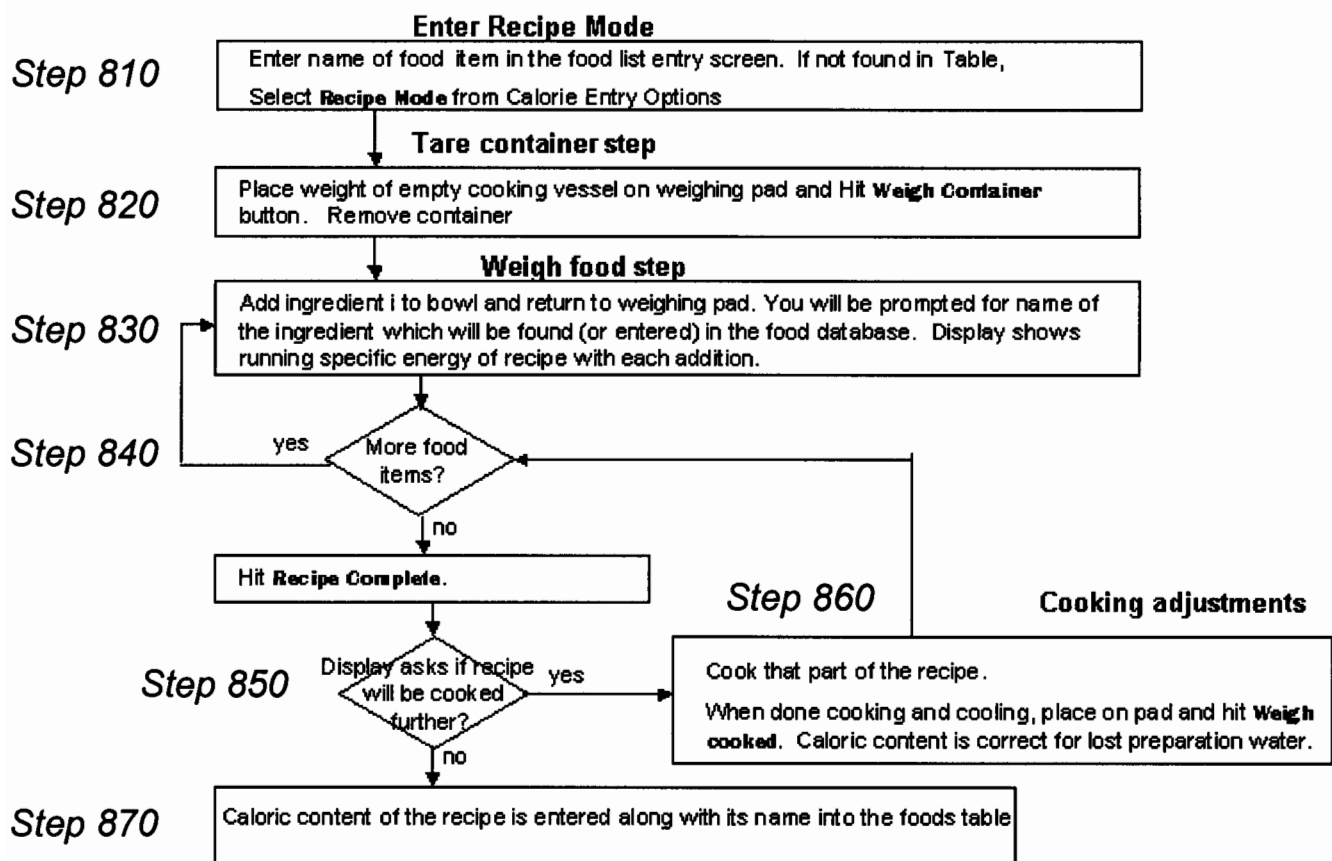


FIG. 6