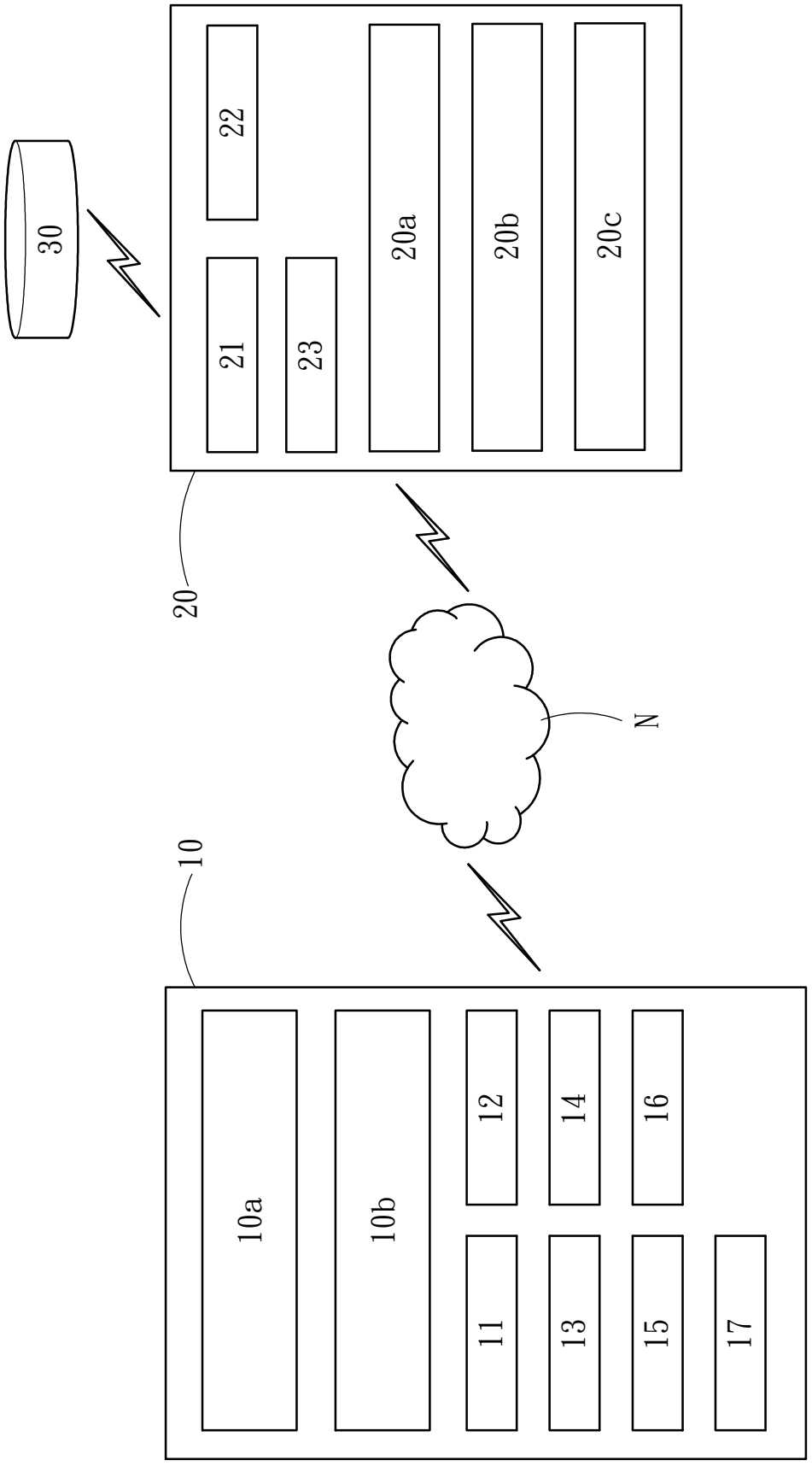

FIG. 1

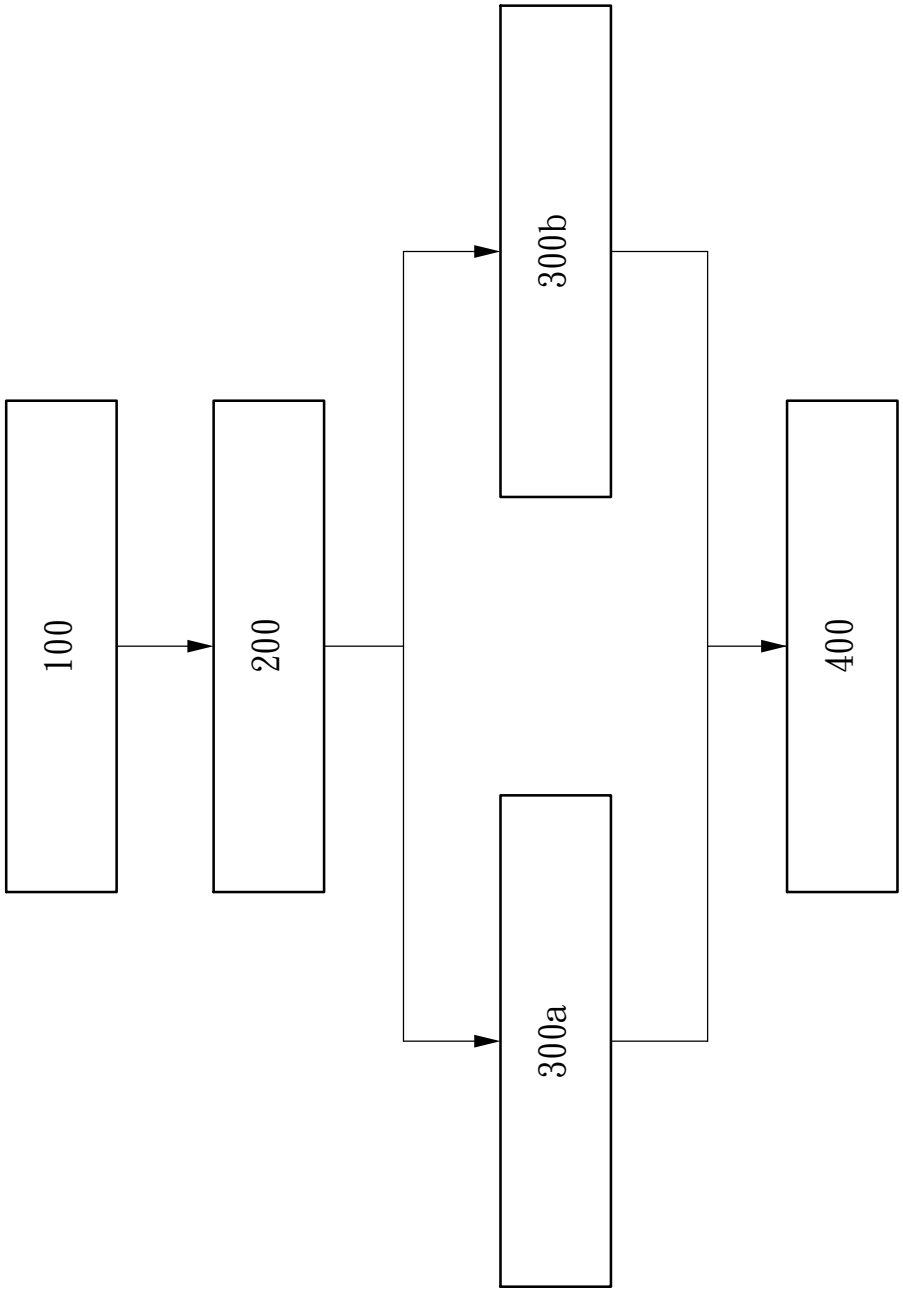

FIG. 2

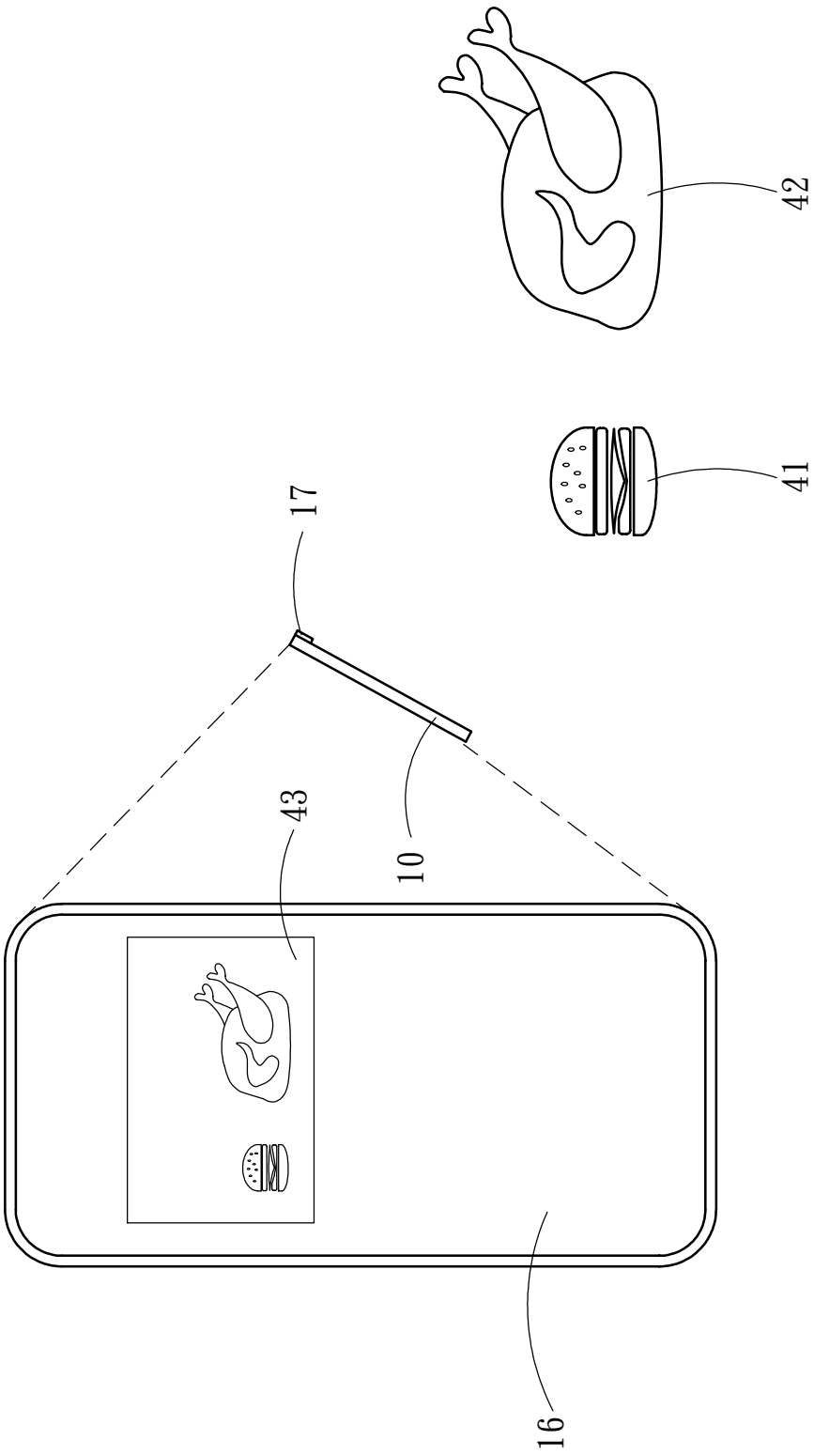

FIG. 3

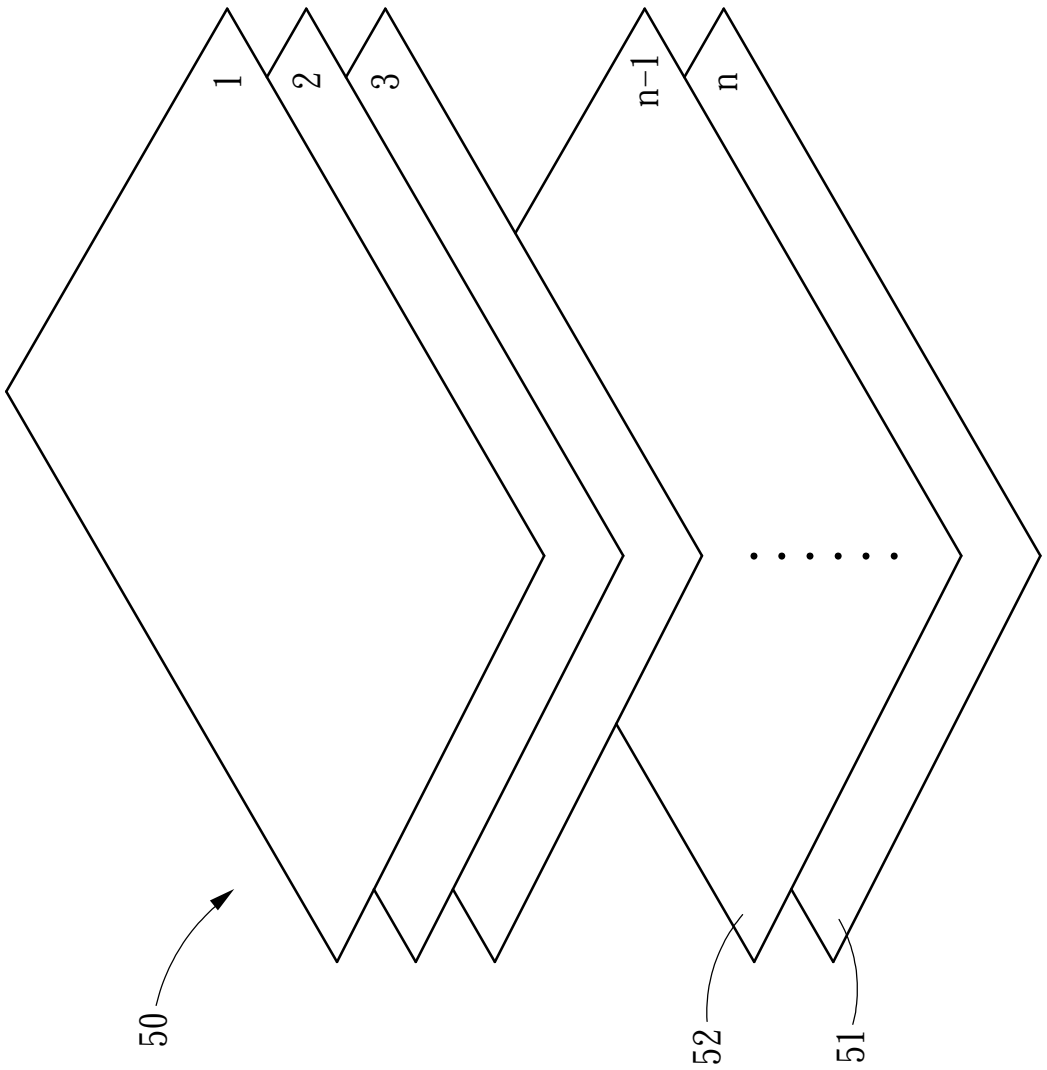

FIG. 4

	Foods to Be Identified	
Item	first feature layer 51	second feature layer 52
Food 41	41a、41b、41c、41d	41A、41B、41C、41D
Food 42	42a、42b、42c、42d	42A、42B、42C、42D

Name Matching Algorithm

Nutrition Prediction Algorithm

Food Database		
Associated Features	Food Item	Food Name
41x、41y、41z	Food 41-1	41n
42x、42y、42z	Food 42-1	42n

Food Database		
Associated Features	Food Weight Information	Unit Component Information
41X、41Y、41Z	410	411、412、413、414
42X、42Y、42Z	420	421、422、423、424

FIG. 5

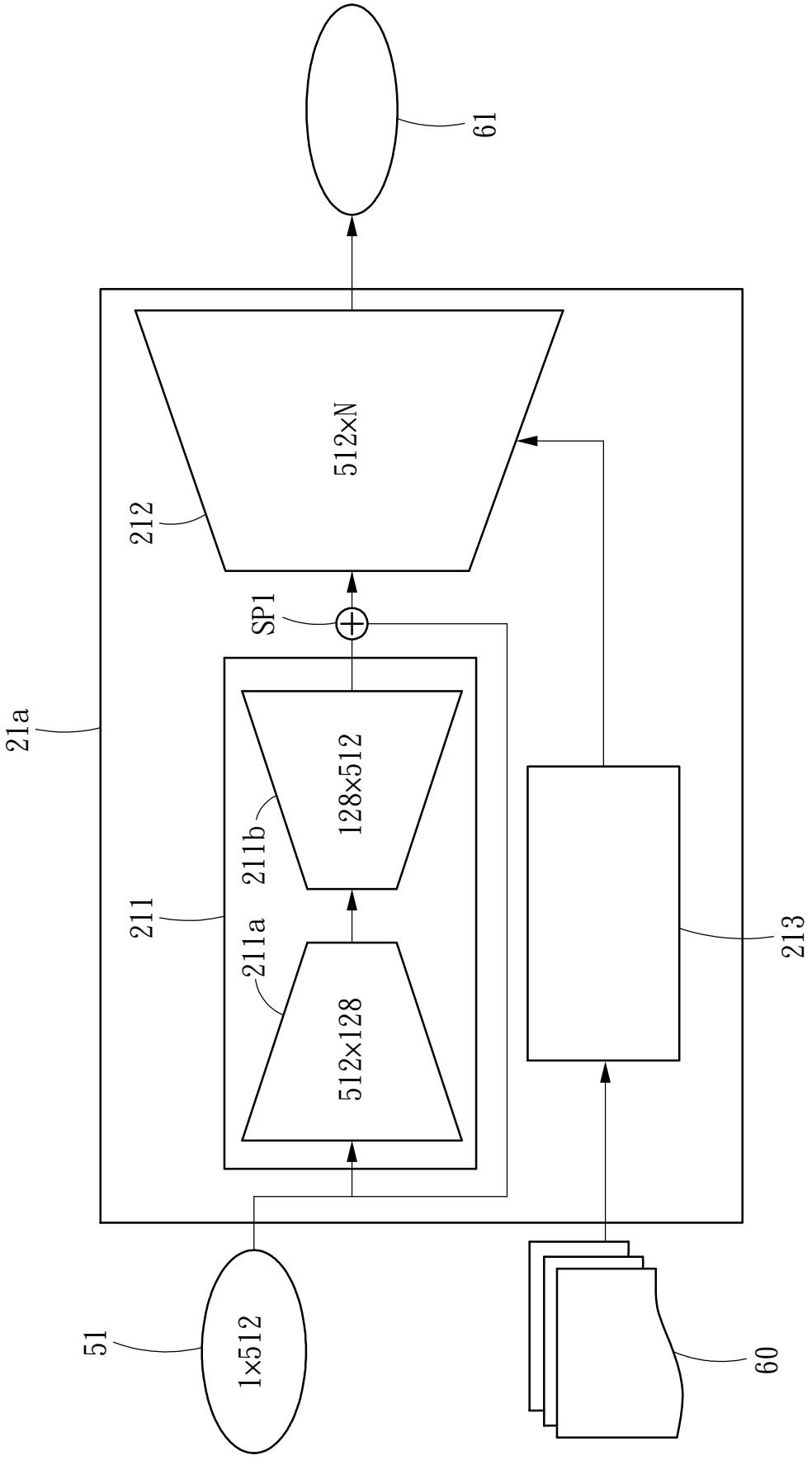

FIG. 6

Food Name	41n	42n
Calories	4101	4201
Carbohydrates	4102	4202
Protein	4103	4203
Fat	4104	4204
Food Weight	410	420

FIG. 7

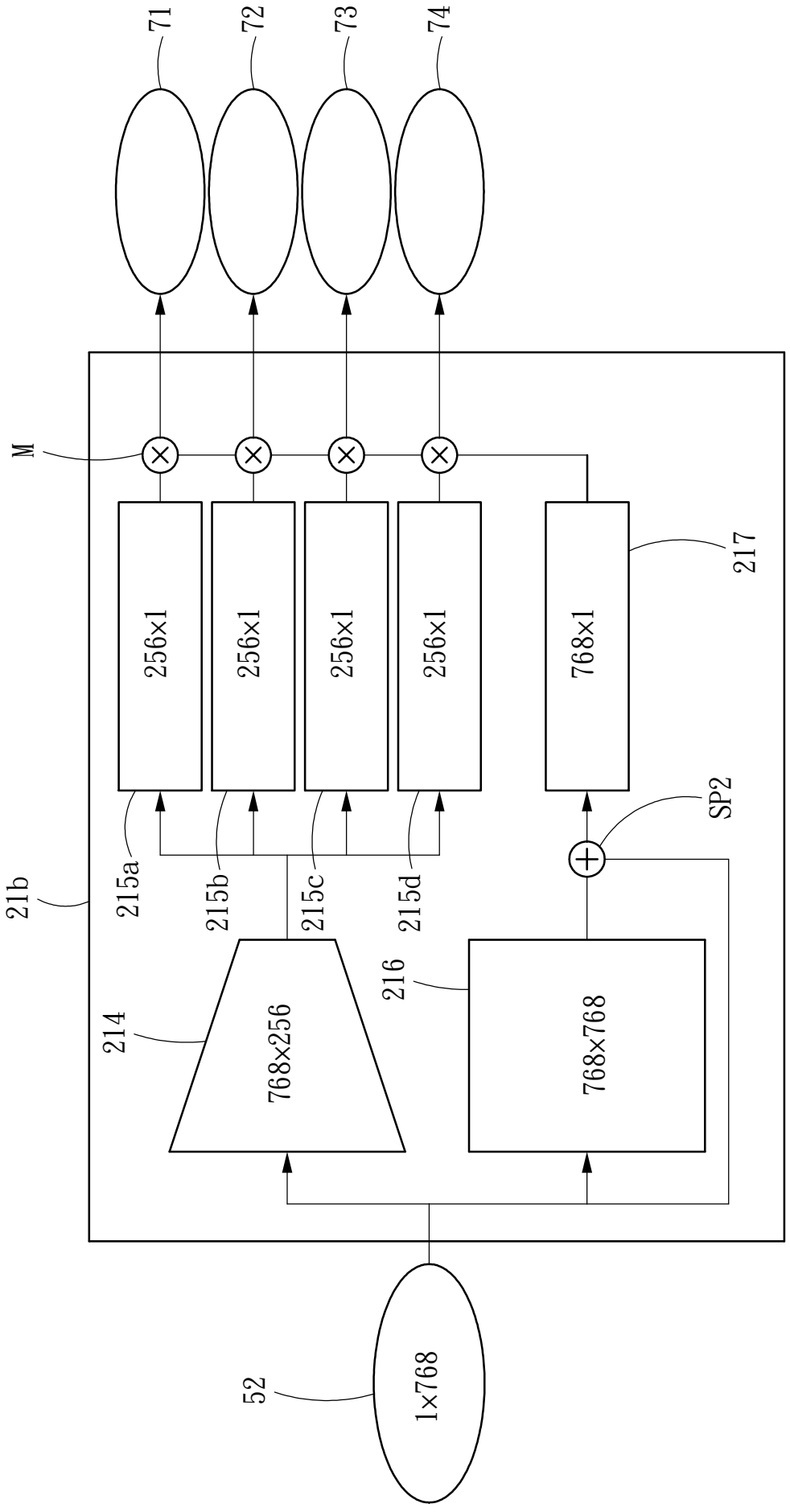
71
72
73
74
M
256×1
256×1
256×1
256×1
768×1
217
SP2
21b
215a
215b
215c
215d
214
768×256
216
768×768
52
1×768

FIG. 8