

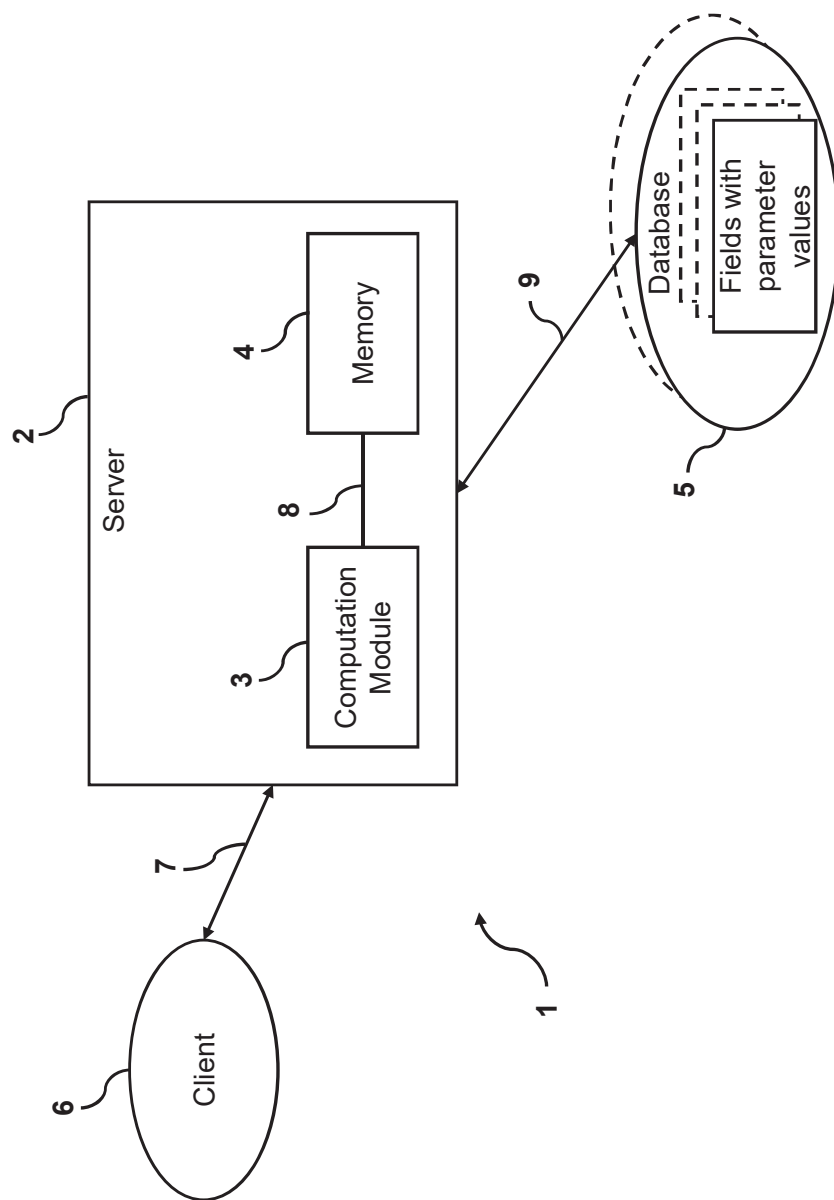
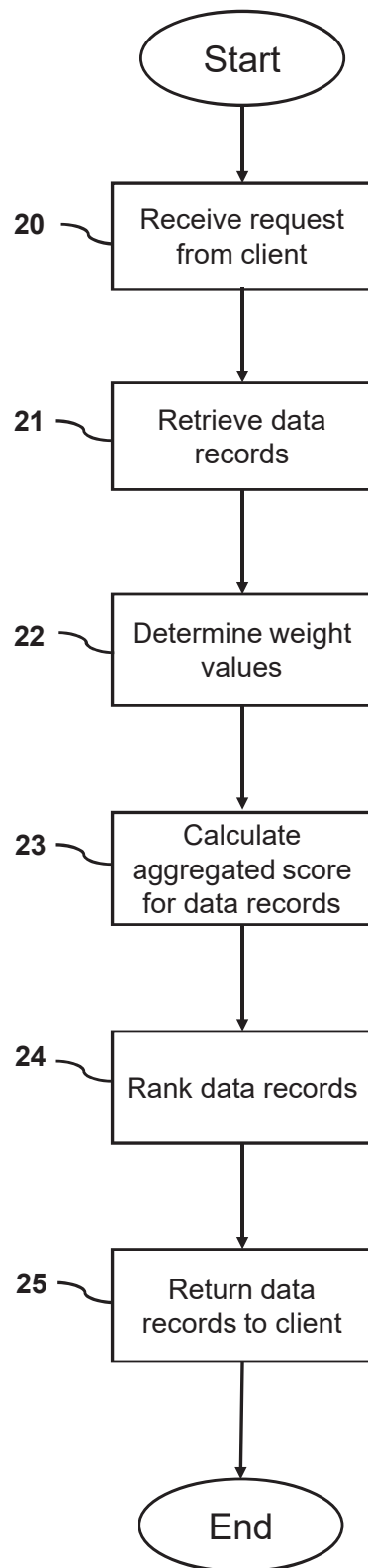


FIG. 1

**FIG. 2**

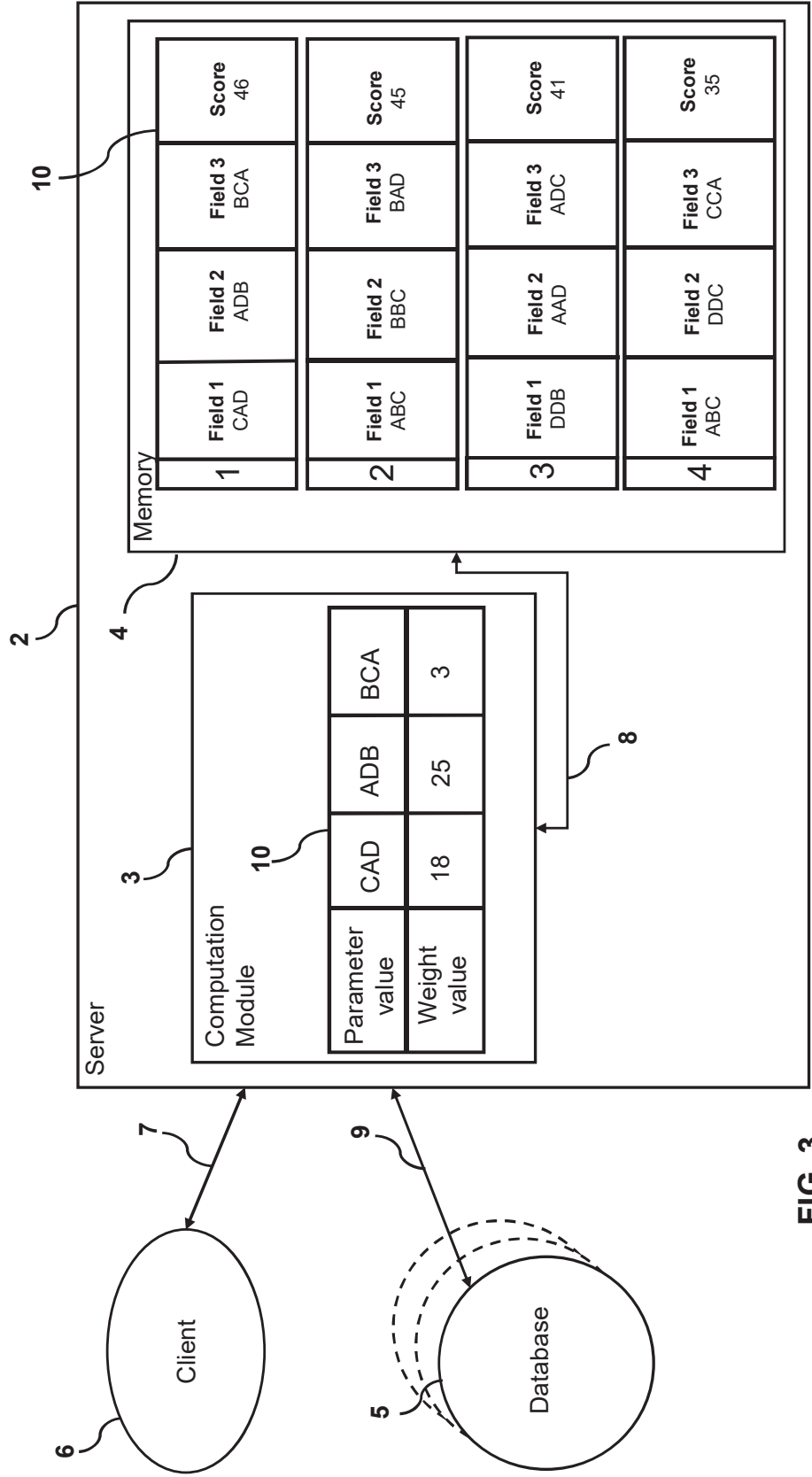


FIG. 3

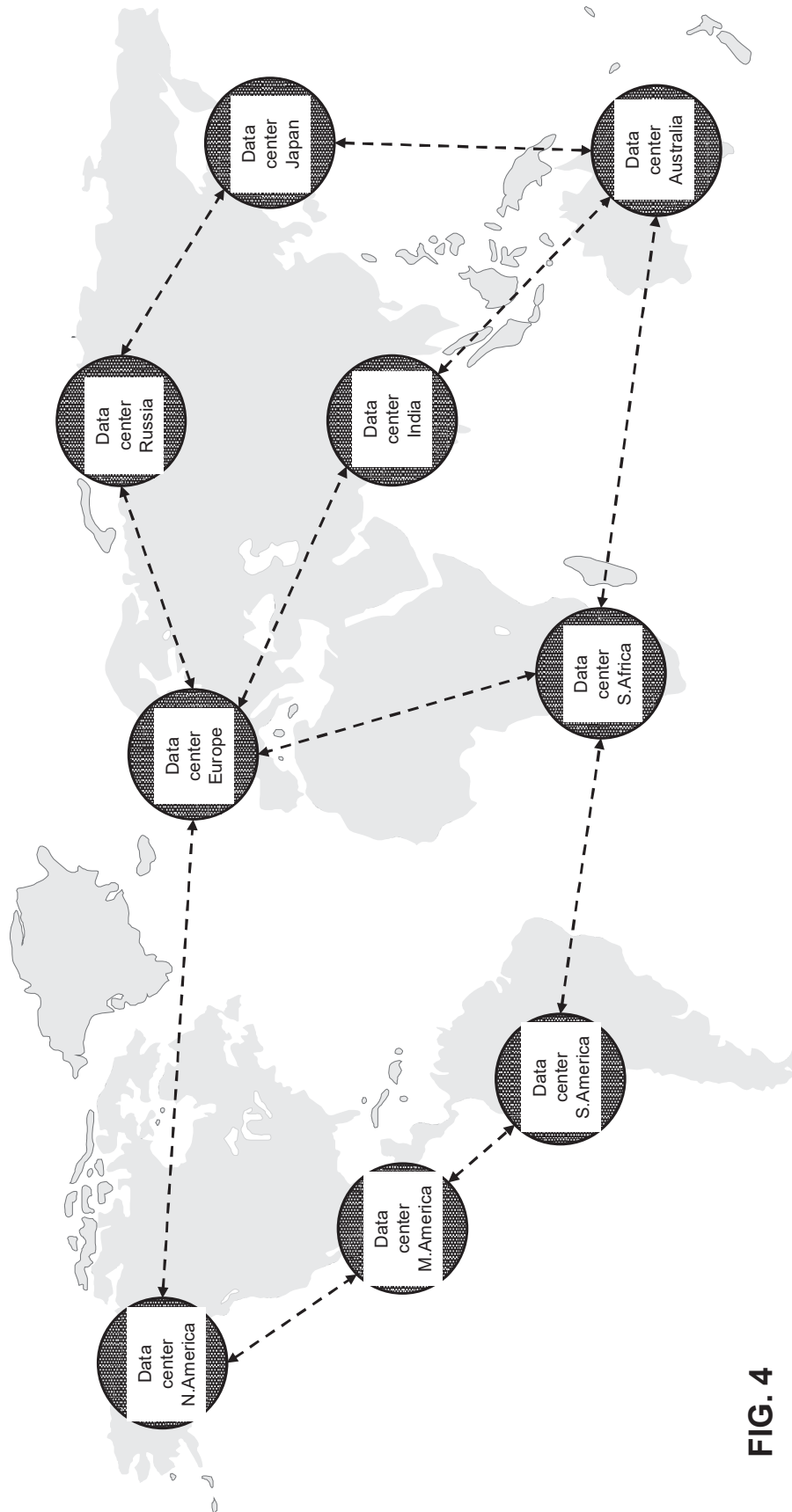


FIG. 4

leg number	Origin	Destination
1	Europe	N. America
2	Europe	S. Africa
3	Europe	India
4	Europe	Russia
5	S. Africa	S. America
6	S. Africa	Australia
7	N. America	M. America
8	M. America	S. America
9	India	Australia
10	Russia	Japan
11	Japan	Australia

FIG. 5

Weight value associations							
Network Parameter	Bandwidth in GB/s	Bit error ratio in %	Connection type	Latency in s	Provider	Throughput in Mbps	Transmission time per MB in s
Parameter values / ranges	0.5 - 5	0.001 – 10	{WAN, Wireless, Sat.}	0.001 - 1	{A,B,C}	10	0.1 - 10
Weight value determination by	Linear Function	Inverse Function	Discrete Values	Inverse Function	Discrete Values	Linear Function	Inverse Function

Connection type	
WAN	50
Wireless	30
Satellite	10

FIG. 6

Leg number	Parameter 1	Parameter 2	Parameter 3	Parameter 4	Score
2	Latency 1/0.1	Bandwidth 1*2	Connection Type 10	Throughput 2/3*2	23.3
3	Latency 1/0.2	Bandwidth 0.5*2	Connection Type 50	Throughput 4/3*2	58.6
4	Latency 1/0.1	Bandwidth 2*2	Connection Type 50	Bit rate 3/3*2	66
6	Latency 1/0.5	Transmission time 10/3	Connection Type 10	Throughput 6/3*2	19.3
9	Latency 1/0.3	Bandwidth 2*2	Connection Type 10	Throughput 5/3*2	20.6
10	Bit error ratio 10^-10/10^-10	Transmission time 10/223.3	Connection Type 30	Bit rate 4/3*2	38.6
11	Bit error ratio 10^-10/7^-10	Bandwidth 0.5*2	Connection Type 50	Throughput 3/3*2	53

FIG. 7

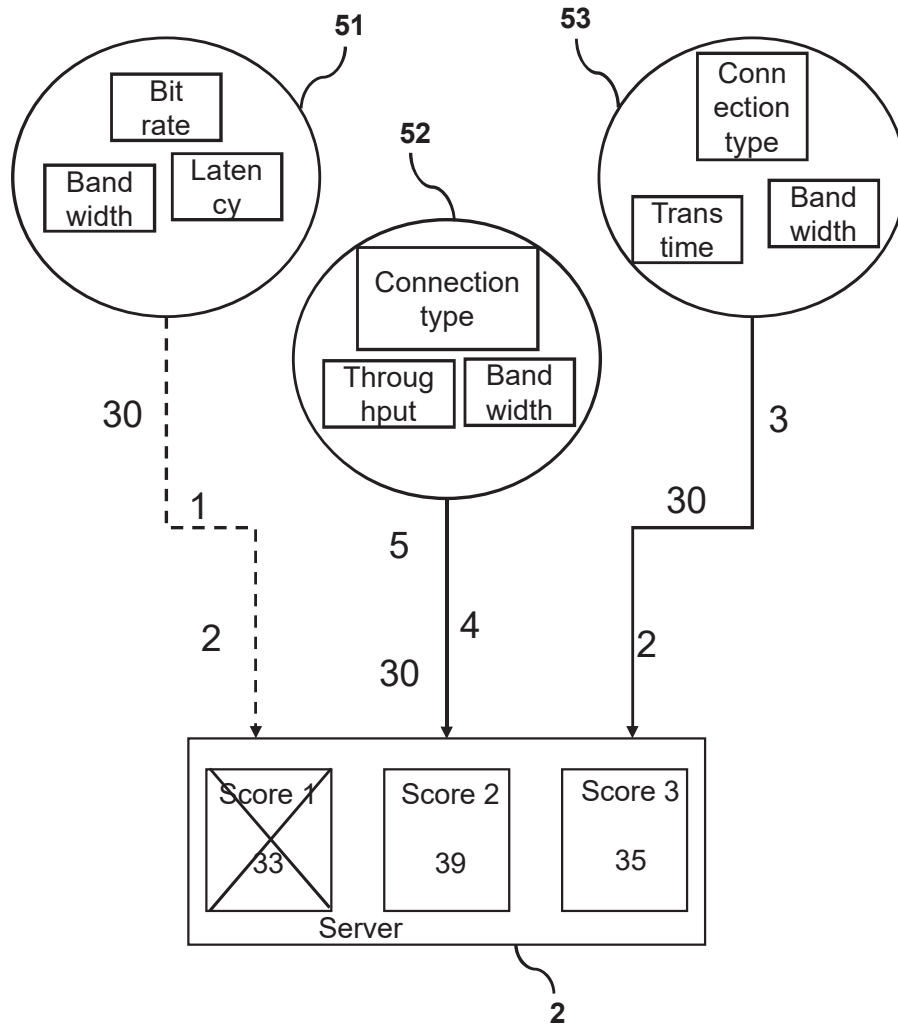


FIG. 8

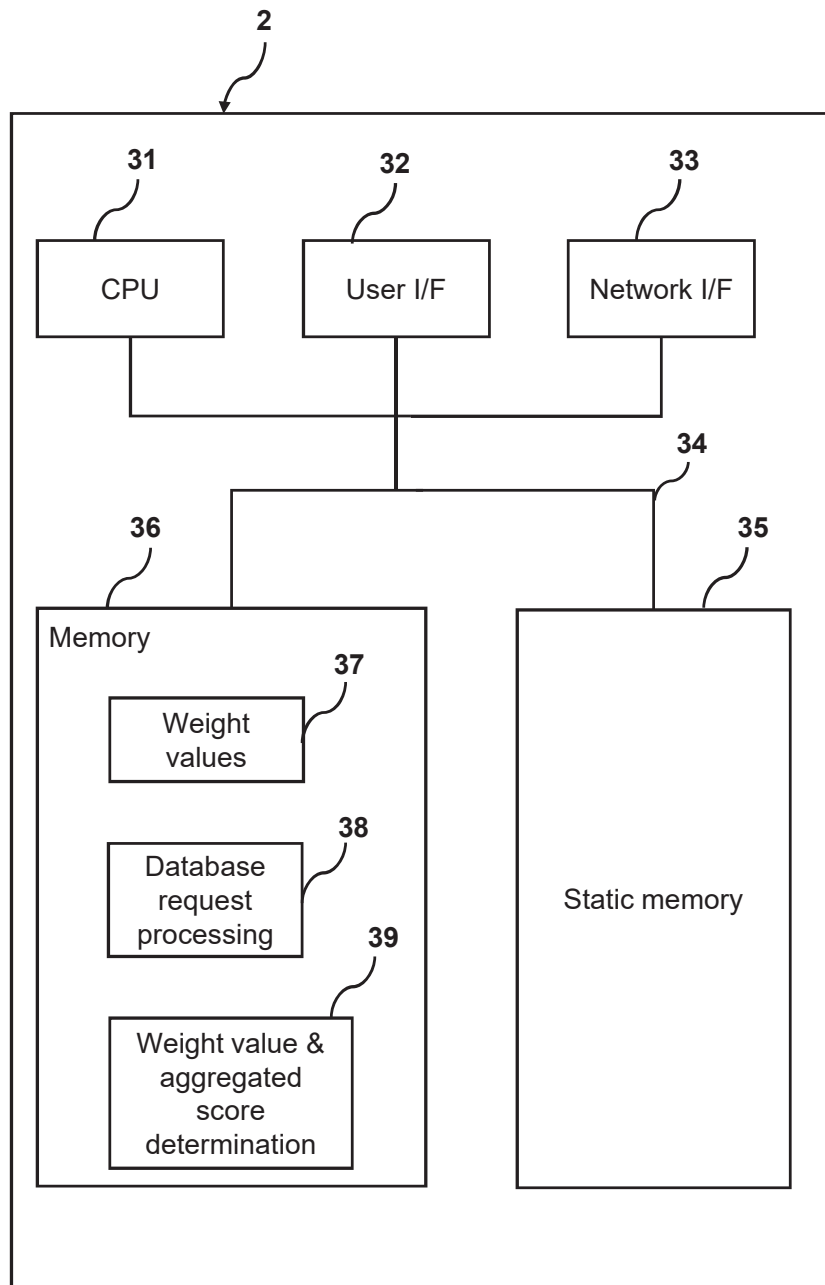


FIG. 9