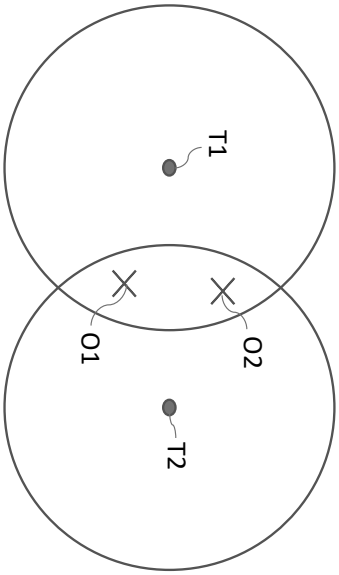


FIG. 1

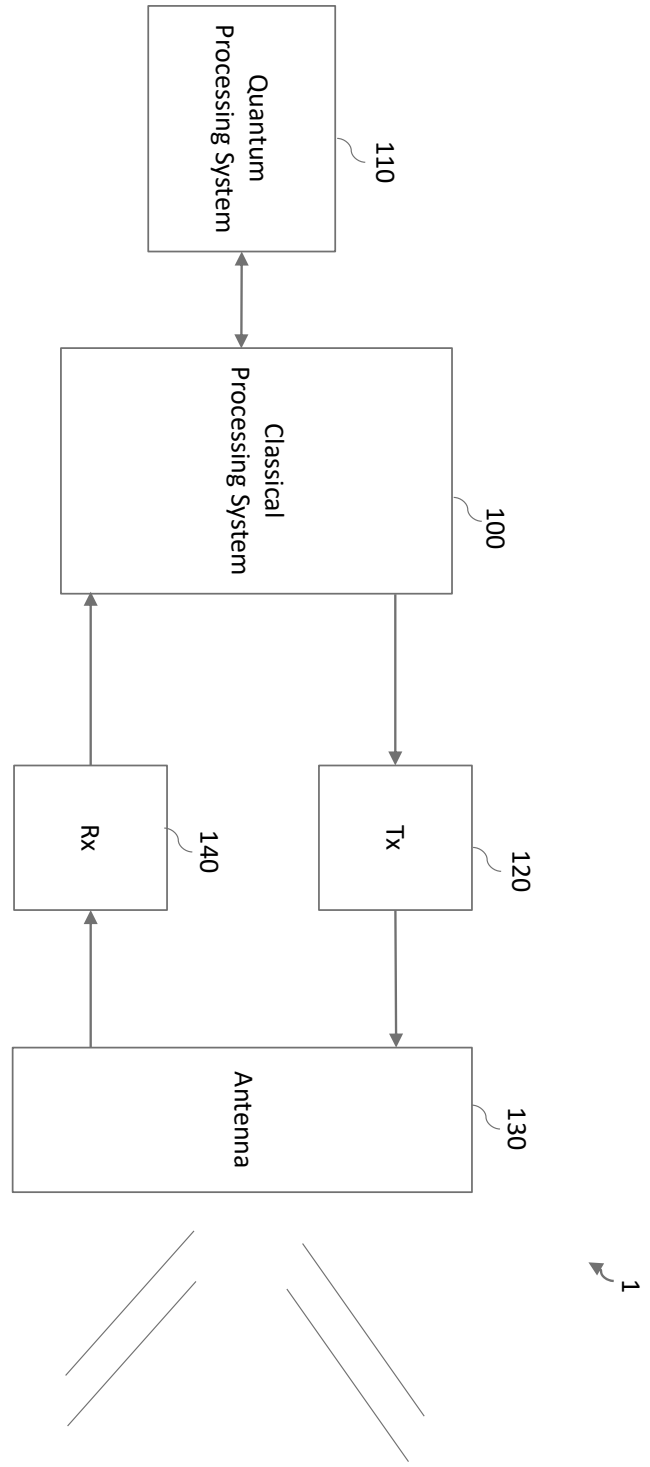

Quantum Processing System
110
Classical Processing System
100
Rx
140
Tx
120
Antenna
130
1

FIG. 2

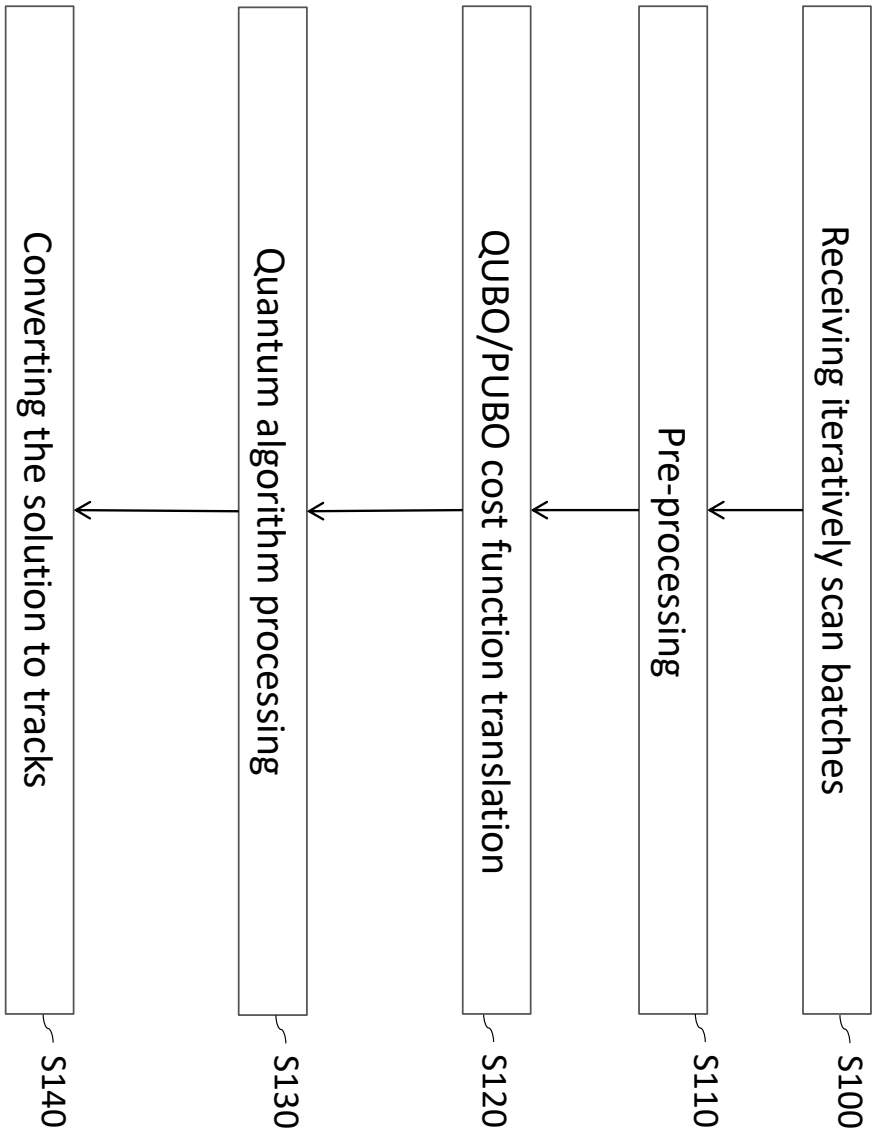

Receiving iteratively scan batches
Pre-processing
QUBO/PUBO cost function translation
Quantum algorithm processing
Converting the solution to tracks
S100
S110
S120
S130
S140

FIG. 3

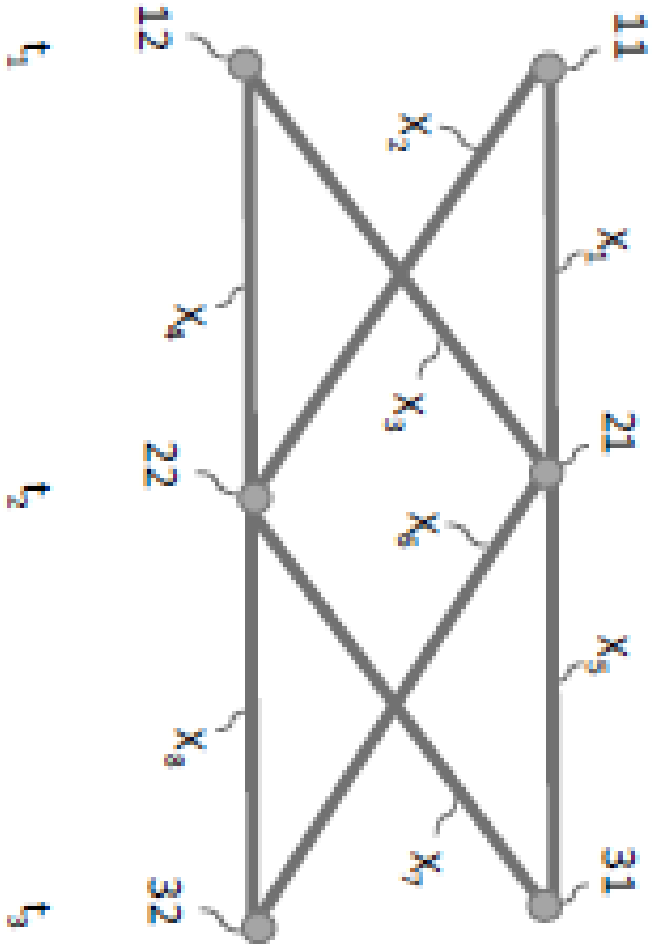


FIG. 4

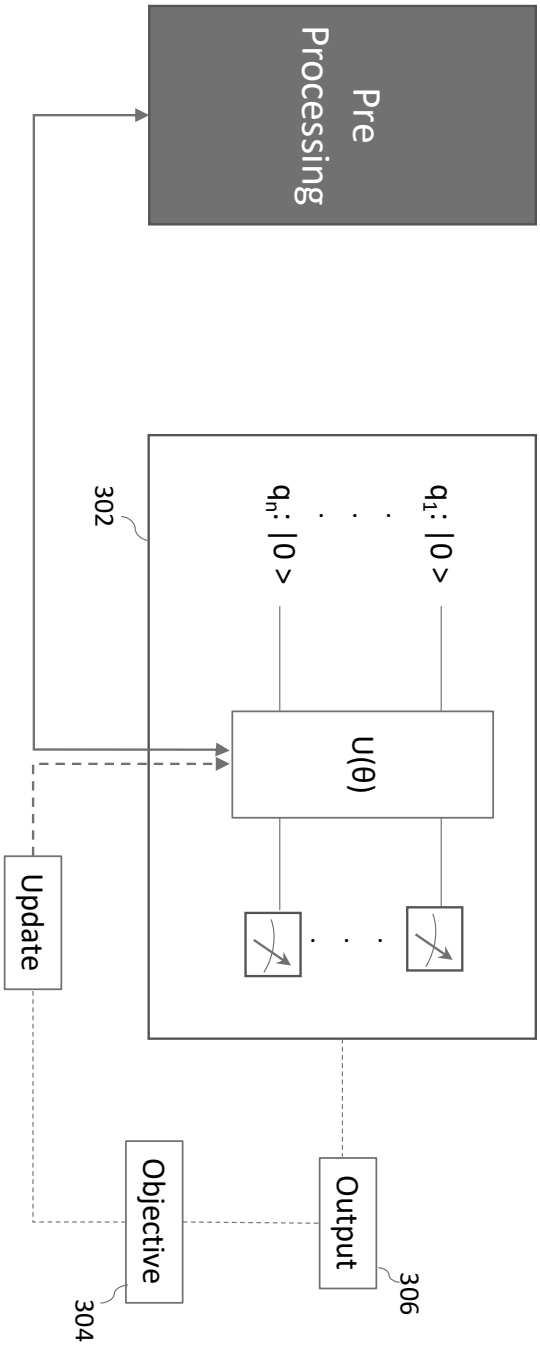

Pre Processing
302
q_n: |0 >
q_1: |0 >
U(θ)
Update
Objective
Output
304
306

FIG. 5