FIG. 3 - HYBRID QUANTUM-CLASSICAL DECISION AND PROCESSING FLOW

ADAPTIVE RESOURCE ALLOCATION PROCESS WORKFLOW

THREAT DATA
INPUT
(200)

THREAT
ANALYSIS
(210)

CAPACITY
ASSESSMENT
(220)

ROUTE
SELECT?
(230)

CLASSICAL

HYBRID

QUANTUM

CLASSICAL
PROCESSING
(240)

HYBRID
PROCESSING
(260)

QUANTUM
PROCESSING
(250)

ML Analytics
Fast Pipeline

Parallel Exec
Sync Results

Q-Algorithms
Pattern Rec.

CLASSICAL
RESULTS
(270)

HYBRID
RESULTS
(280)

QUANTUM
RESULTS
(290)

Performance Learning Loop

RESULT FUSION
& CORRELATION
(300)

MICROSECOND-LEVEL RESPONSE TIME OPTIMIZATION