Fig. 1

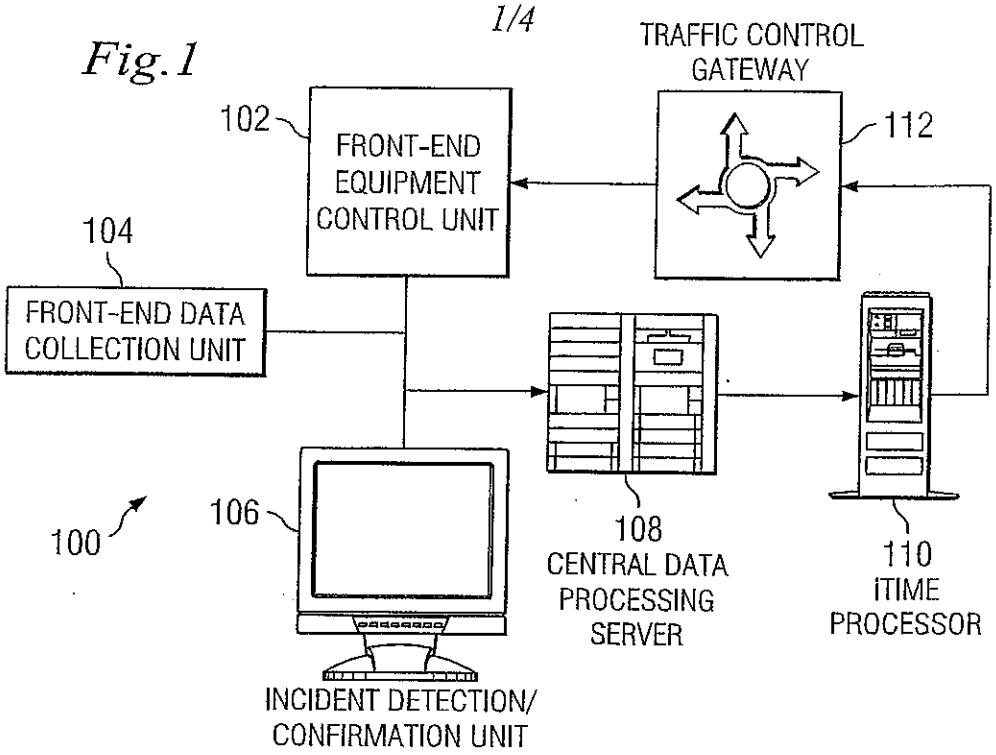

TRAFFIC CONTROL
GATEWAY
102
FRONT-END
EQUIPMENT
CONTROL UNIT
112
104
FRONT-END DATA
COLLECTION UNIT
100
106
108
CENTRAL DATA
PROCESSING
SERVER
110
ITIME
PROCESSOR
INCIDENT DETECTION/
CONFIRMATION UNIT

Fig. 2

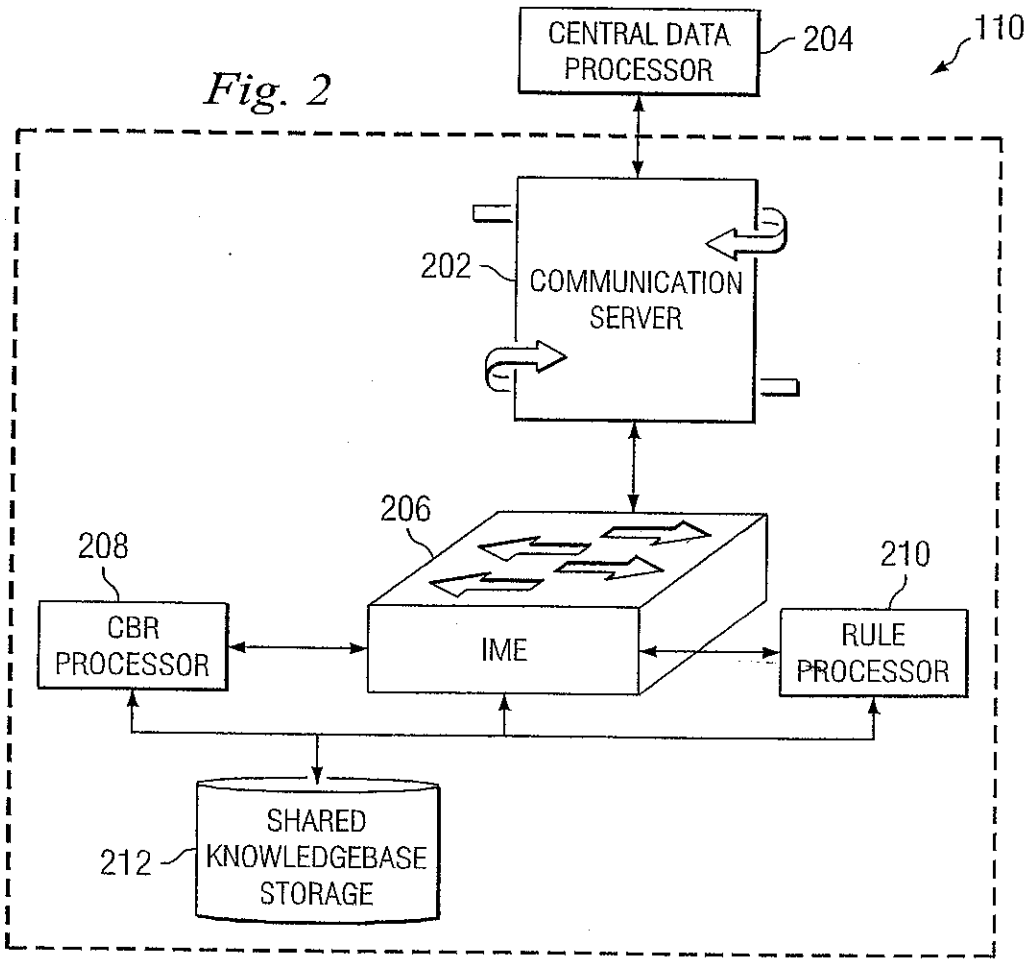

CENTRAL DATA
PROCESSOR
204
110
202
COMMUNICATION
SERVER
206
208
210
CBR
PROCESSOR
IME
RULE
PROCESSOR
SHARED
KNOWLEDGEBASE
STORAGE
212

Fig. 3

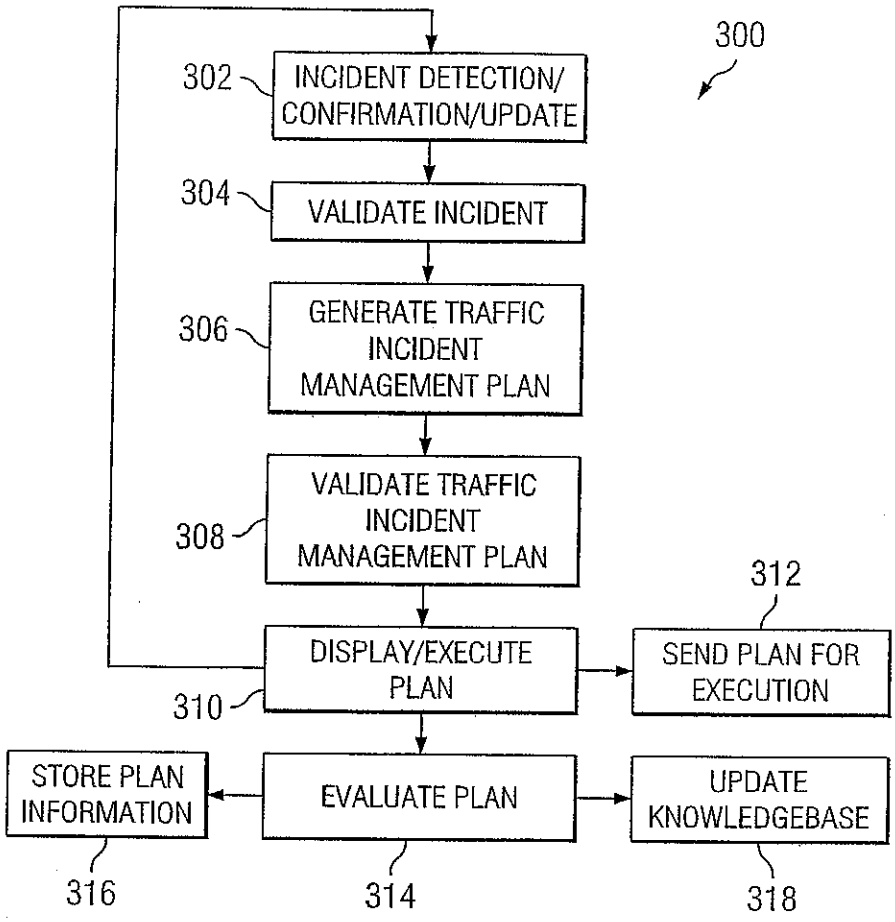
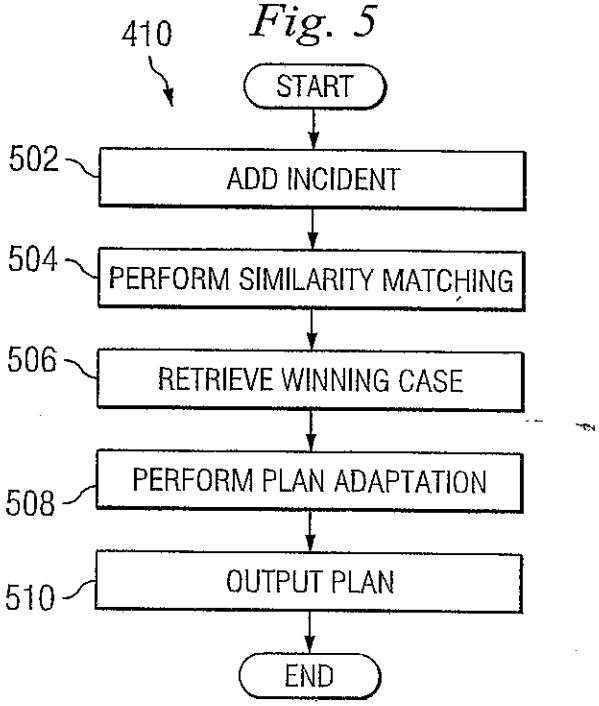

300
302
INCIDENT DETECTION/ CONFIRMATION/UPDATE
304
VALIDATE INCIDENT
306
GENERATE TRAFFIC INCIDENT MANAGEMENT PLAN
308
VALIDATE TRAFFIC INCIDENT MANAGEMENT PLAN
310
DISPLAY/EXECUTE PLAN
312
SEND PLAN FOR EXECUTION
STORE PLAN INFORMATION
EVALUATE PLAN
UPDATE KNOWLEDGEBASE
316
314
318

Fig. 5


410
START
502
ADD INCIDENT
504
PERFORM SIMILARITY MATCHING
506
RETRIEVE WINNING CASE
508
PERFORM PLAN ADAPTATION
510
OUTPUT PLAN
END

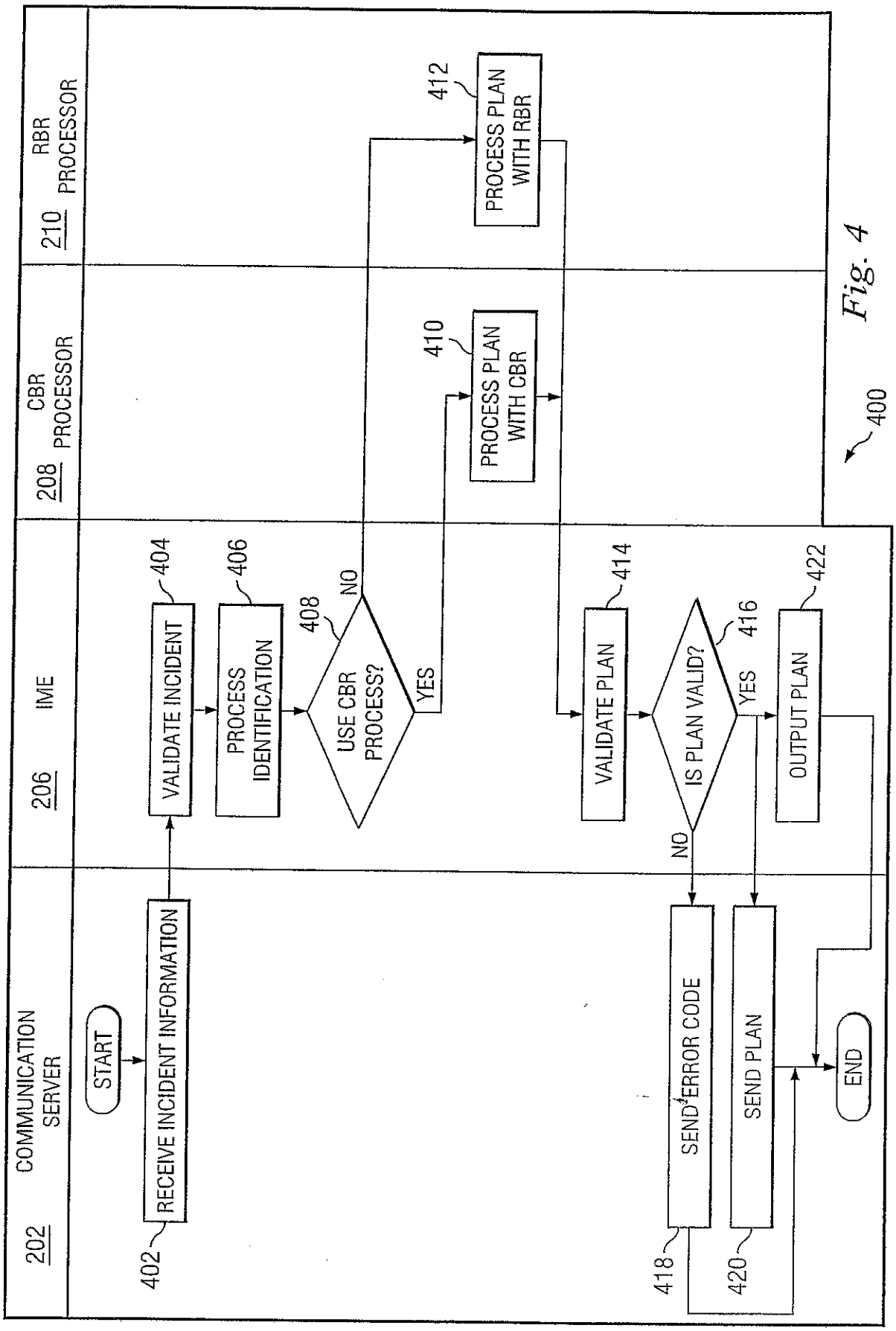

202 COMMUNICATION SERVER
206 IME
208 CBR PROCESSOR
210 RBR PROCESSOR
START
RECEIVE INCIDENT INFORMATION
402
VALIDATE INCIDENT
404
PROCESS IDENTIFICATION
406
USE CBR PROCESS?
408
NO
YES
PROCESS PLAN WITH CBR
410
PROCESS PLAN WITH RBR
412
VALIDATE PLAN
414
IS PLAN VALID?
416
NO
YES
OUTPUT PLAN
422
SEND ERROR CODE
418
SEND PLAN
420
END
400

Fig. 4

Fig. 6

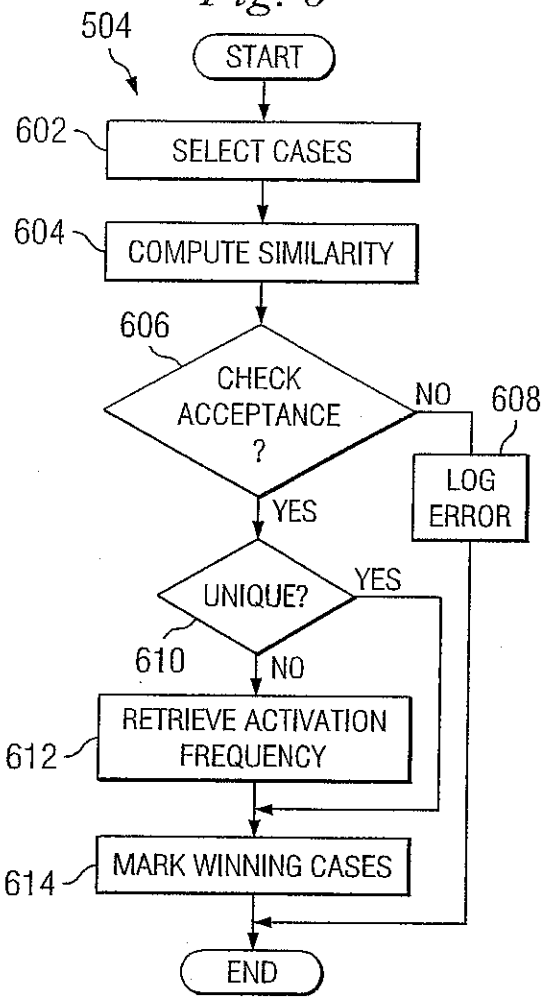


Fig. 8

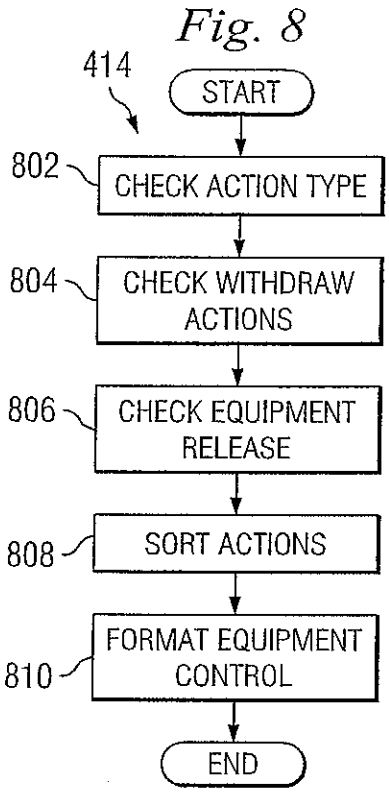


Fig. 7

