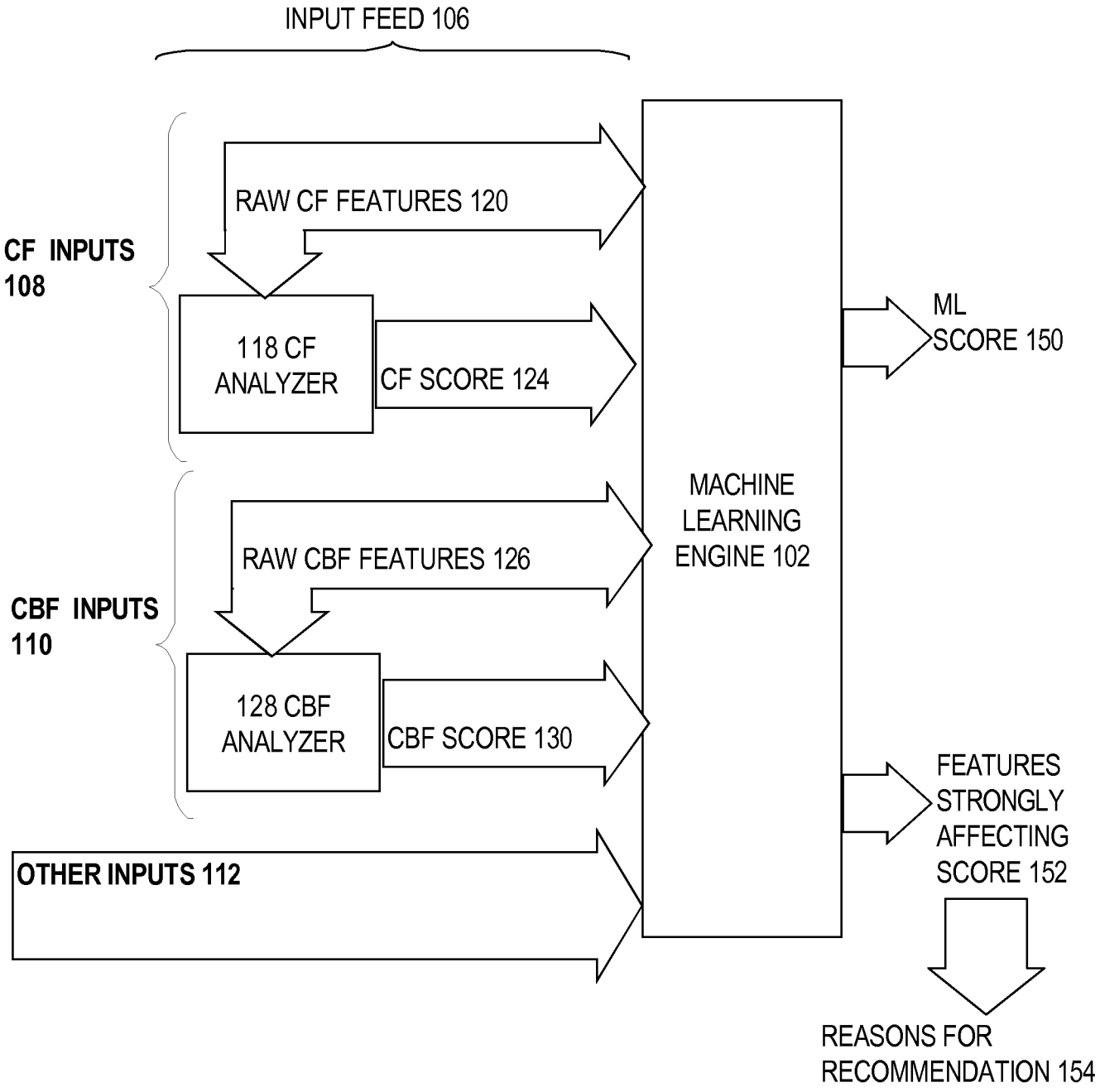
INPUT FEED 106
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CF INPUTS 108
118 CF ANALYZER
CF SCORE 124
ML SCORE 150
MACHINE LEARNING ENGINE 102
RAW CBF FEATURES 126
CBF INPUTS 110
128 CBF ANALYZER
CBF SCORE 130
FEATURES STRONGLY AFFECTING SCORE 152
OTHER INPUTS 112
REASONS FOR RECOMMENDATION 154

FIG. 1

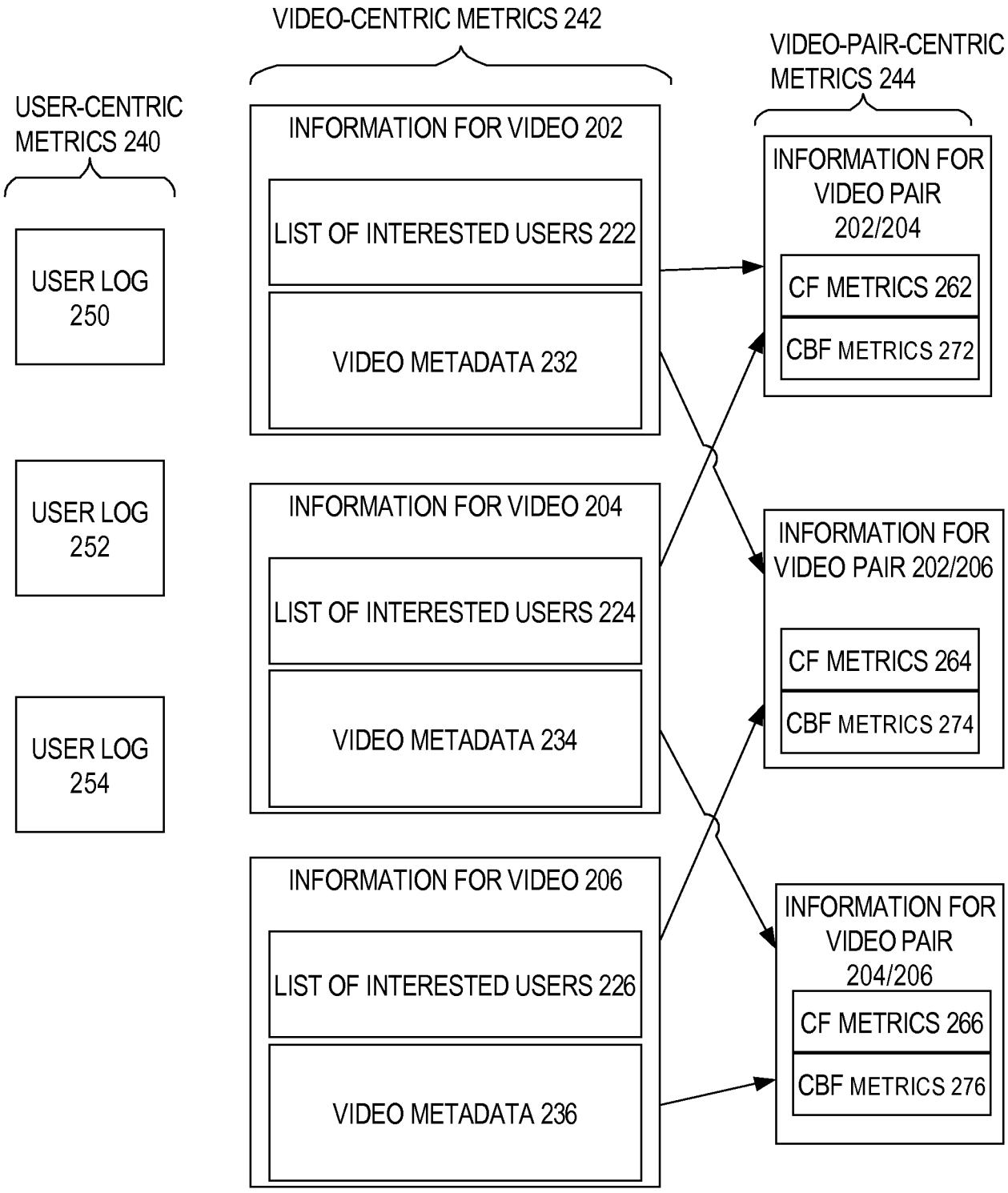
VIDEO-CENTRIC METRICS 242
VIDEO-PAIR-CENTRIC METRICS 244
USER-CENTRIC METRICS 240
INFORMATION FOR VIDEO 202
LIST OF INTERESTED USERS 222
VIDEO METADATA 232
INFORMATION FOR VIDEO PAIR 202/204
CF METRICS 262
CBF METRICS 272
USER LOG 250
USER LOG 252
USER LOG 254
INFORMATION FOR VIDEO 204
LIST OF INTERESTED USERS 224
VIDEO METADATA 234
INFORMATION FOR VIDEO PAIR 202/206
CF METRICS 264
CBF METRICS 274
INFORMATION FOR VIDEO 206
LIST OF INTERESTED USERS 226
VIDEO METADATA 236
INFORMATION FOR VIDEO PAIR 204/206
CF METRICS 266
CBF METRICS 276

FIG. 2

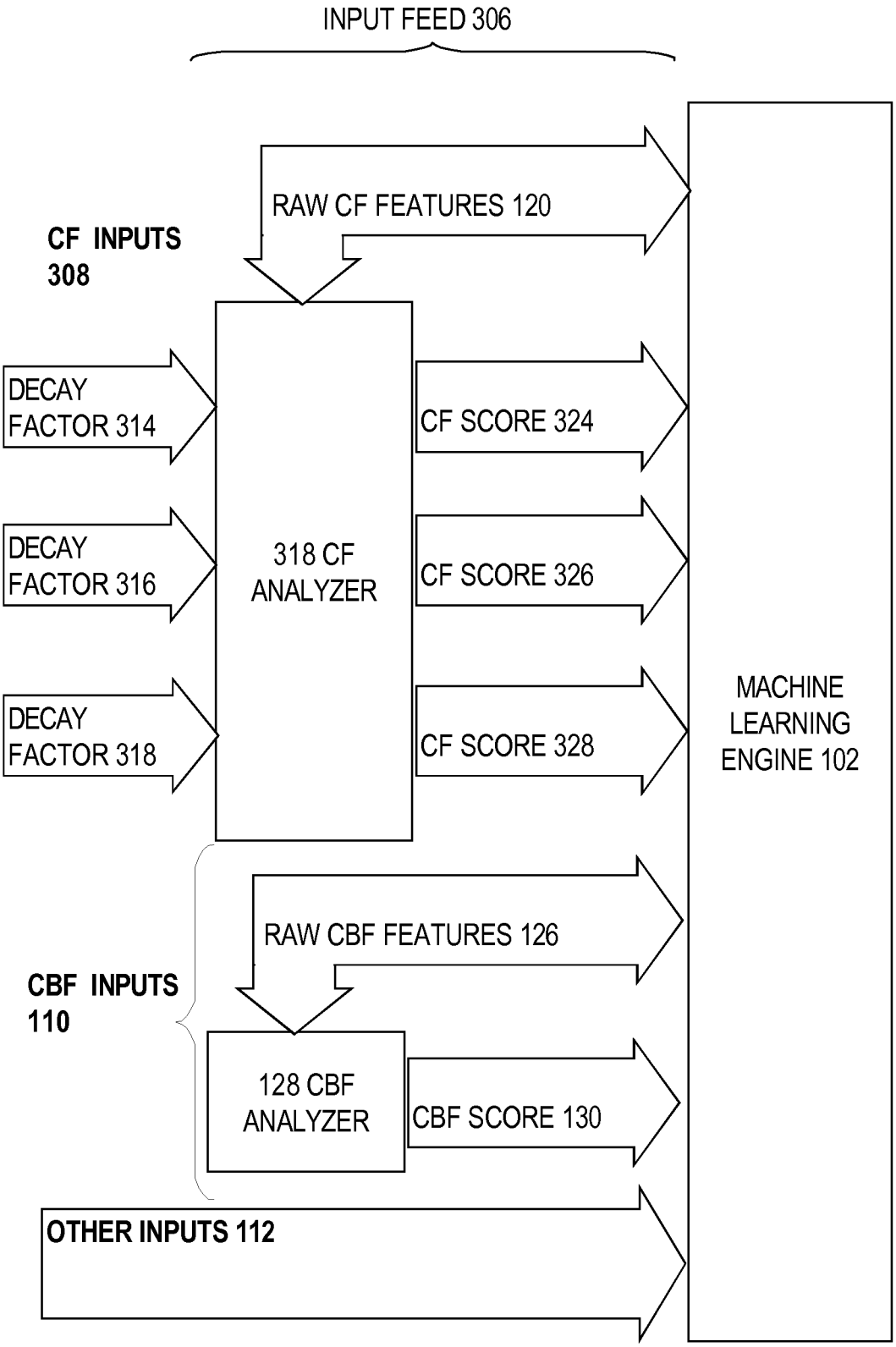
INPUT FEED 306
RAW CF FEATURES 120
CF INPUTS 308
DECAY FACTOR 314
DECAY FACTOR 316
DECAY FACTOR 318
318 CF ANALYZER
CF SCORE 324
CF SCORE 326
CF SCORE 328
MACHINE LEARNING ENGINE 102
RAW CBF FEATURES 126
CBF INPUTS 110
128 CBF ANALYZER
CBF SCORE 130
OTHER INPUTS 112

FIG. 3

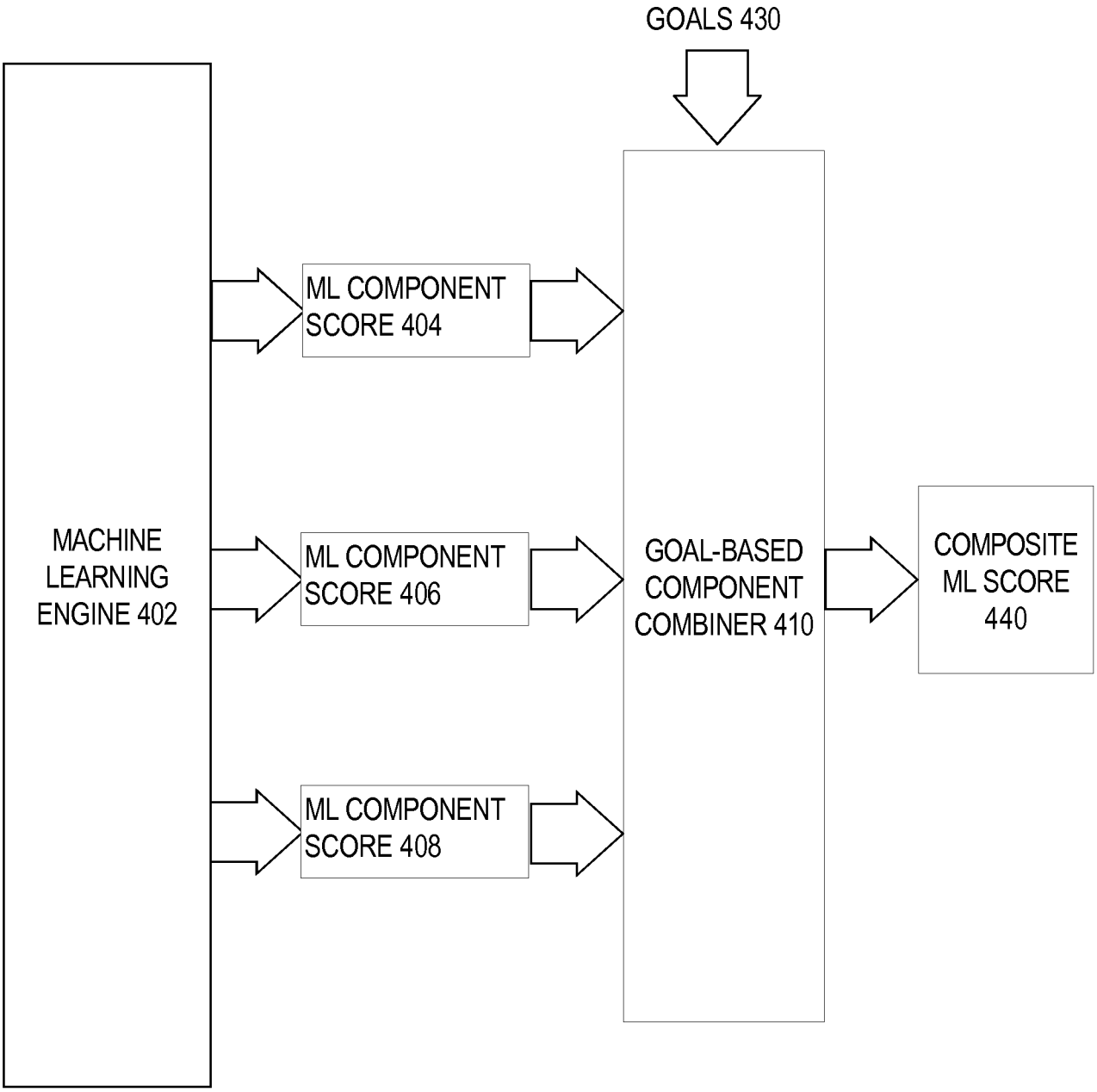
GOALS 430
MACHINE LEARNING ENGINE 402
ML COMPONENT SCORE 404
ML COMPONENT SCORE 406
ML COMPONENT SCORE 408
GOAL-BASED COMPONENT COMBINER 410
COMPOSITE ML SCORE 440

FIG. 4

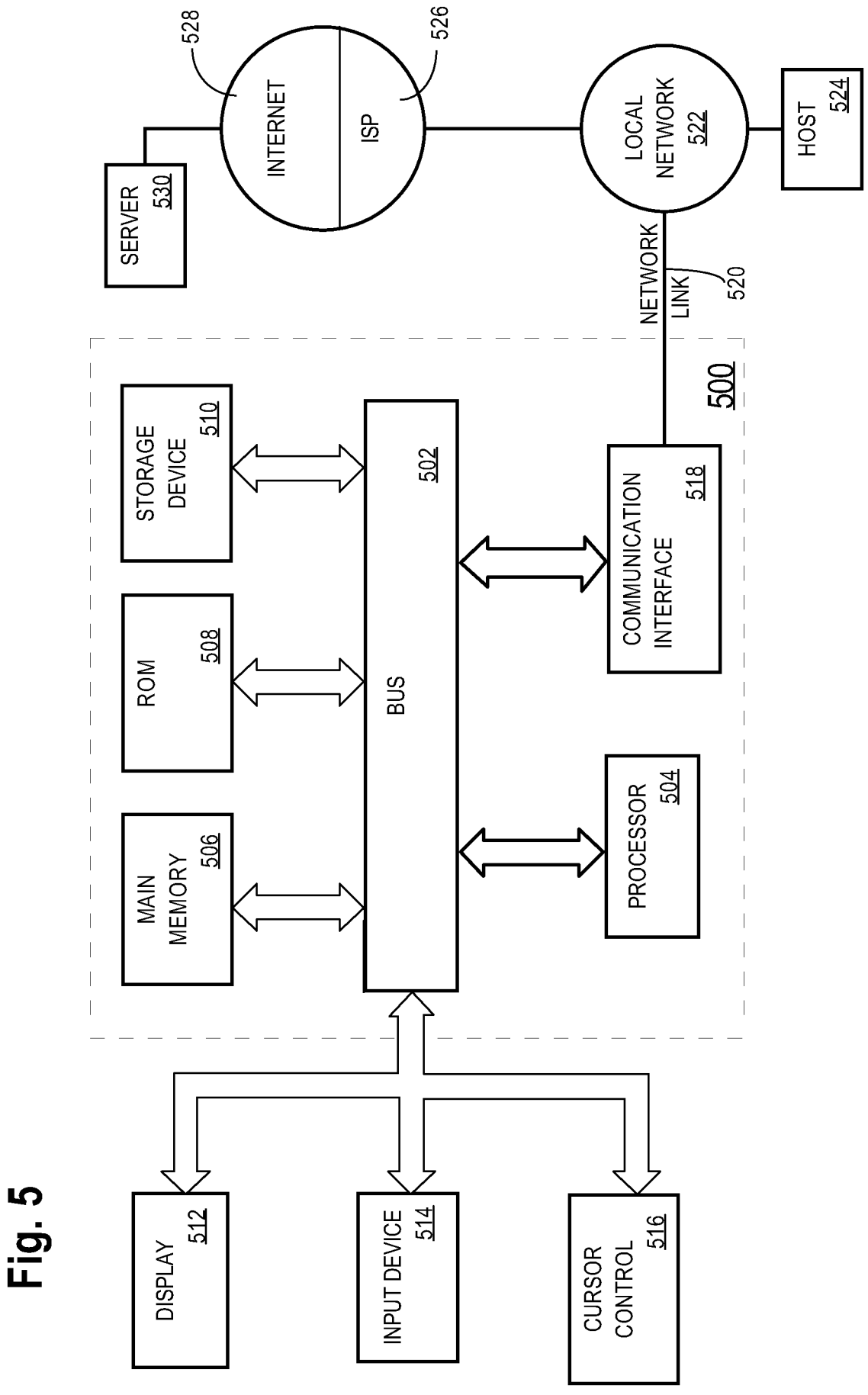
528
INTERNET
ISP
526
SERVER
530
LOCAL
NETWORK
522
HOST
524
NETWORK
LINK
520
500
STORAGE
DEVICE
510
BUS
502
COMMUNICATION
INTERFACE
518
ROM
508
MAIN
MEMORY
506
PROCESSOR
504
DISPLAY
512
INPUT DEVICE
514
CURSOR
CONTROL
516

Fig. 5