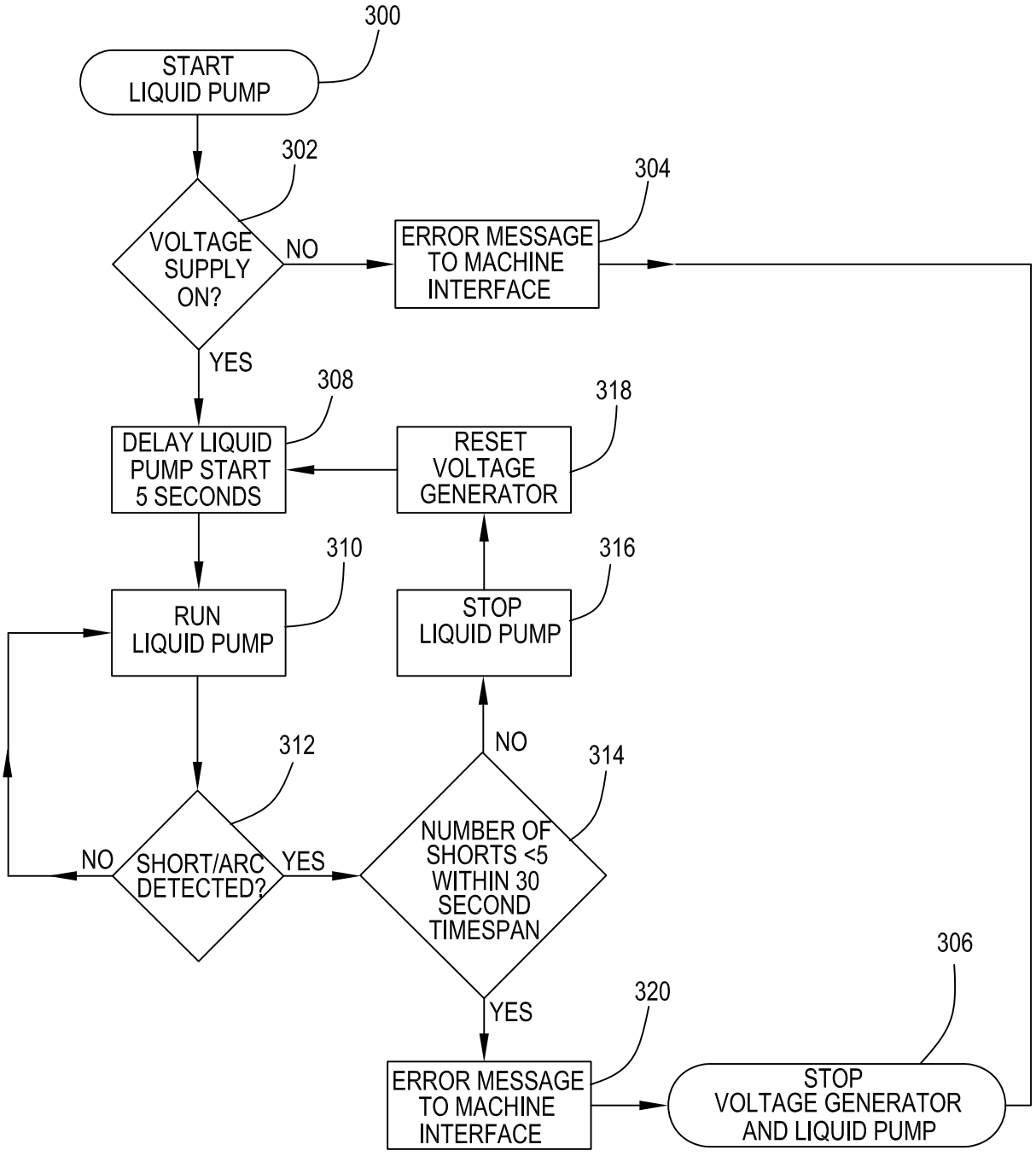

300
START LIQUID PUMP
302
VOLTAGE SUPPLY ON?
NO
304
ERROR MESSAGE TO MACHINE INTERFACE
YES
308
DELAY LIQUID PUMP START 5 SECONDS
318
RESET VOLTAGE GENERATOR
310
RUN LIQUID PUMP
316
STOP LIQUID PUMP
312
NO
314
NO
SHORT/ARC DETECTED?
YES
NUMBER OF SHORTS <5 WITHIN 30 SECOND TIMESPAN
306
YES
320
ERROR MESSAGE TO MACHINE INTERFACE
STOP VOLTAGE GENERATOR AND LIQUID PUMP

FIG. 26

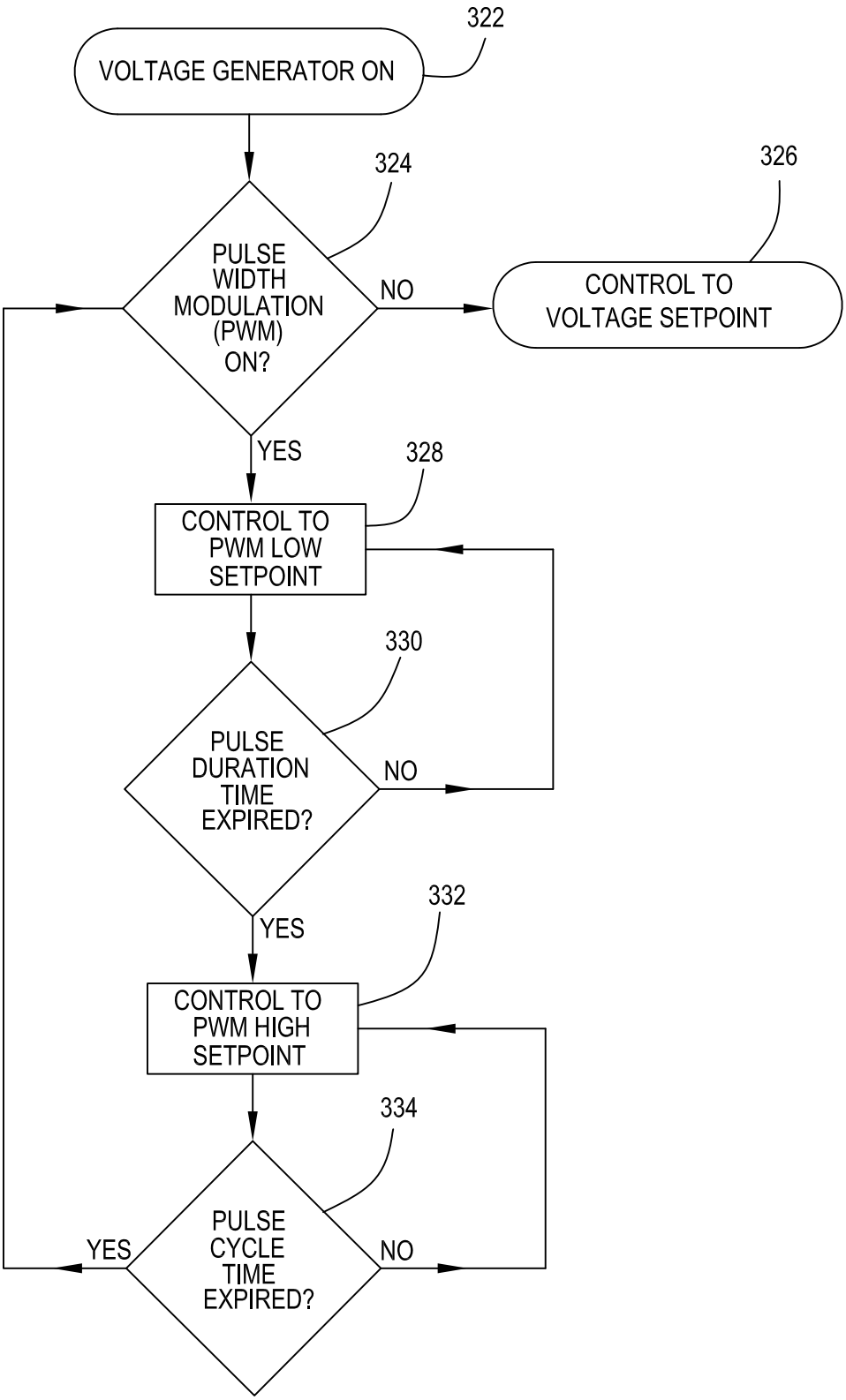

322
VOLTAGE GENERATOR ON
324
PULSE WIDTH MODULATION (PWM) ON?
NO
326
CONTROL TO VOLTAGE SETPOINT
YES
328
CONTROL TO PWM LOW SETPOINT
330
PULSE DURATION TIME EXPIRED?
NO
YES
332
CONTROL TO PWM HIGH SETPOINT
334
PULSE CYCLE TIME EXPIRED?
YES
NO

FIG. 27