

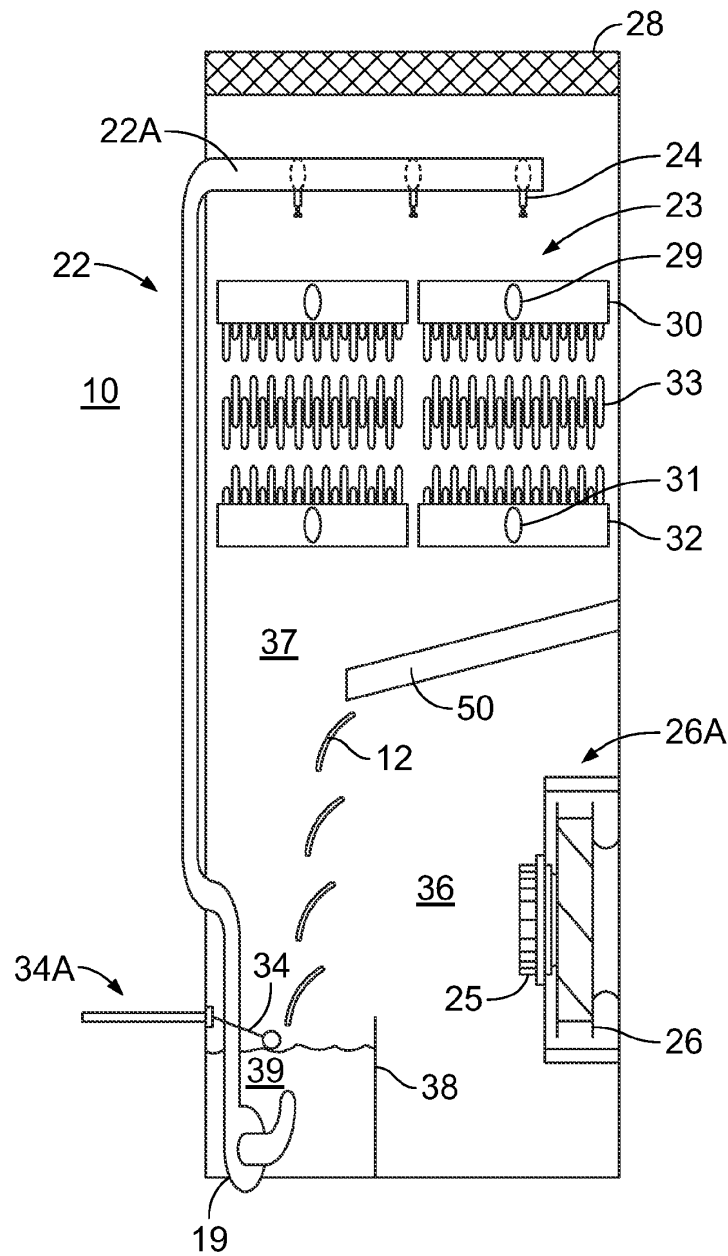


FIG. 1

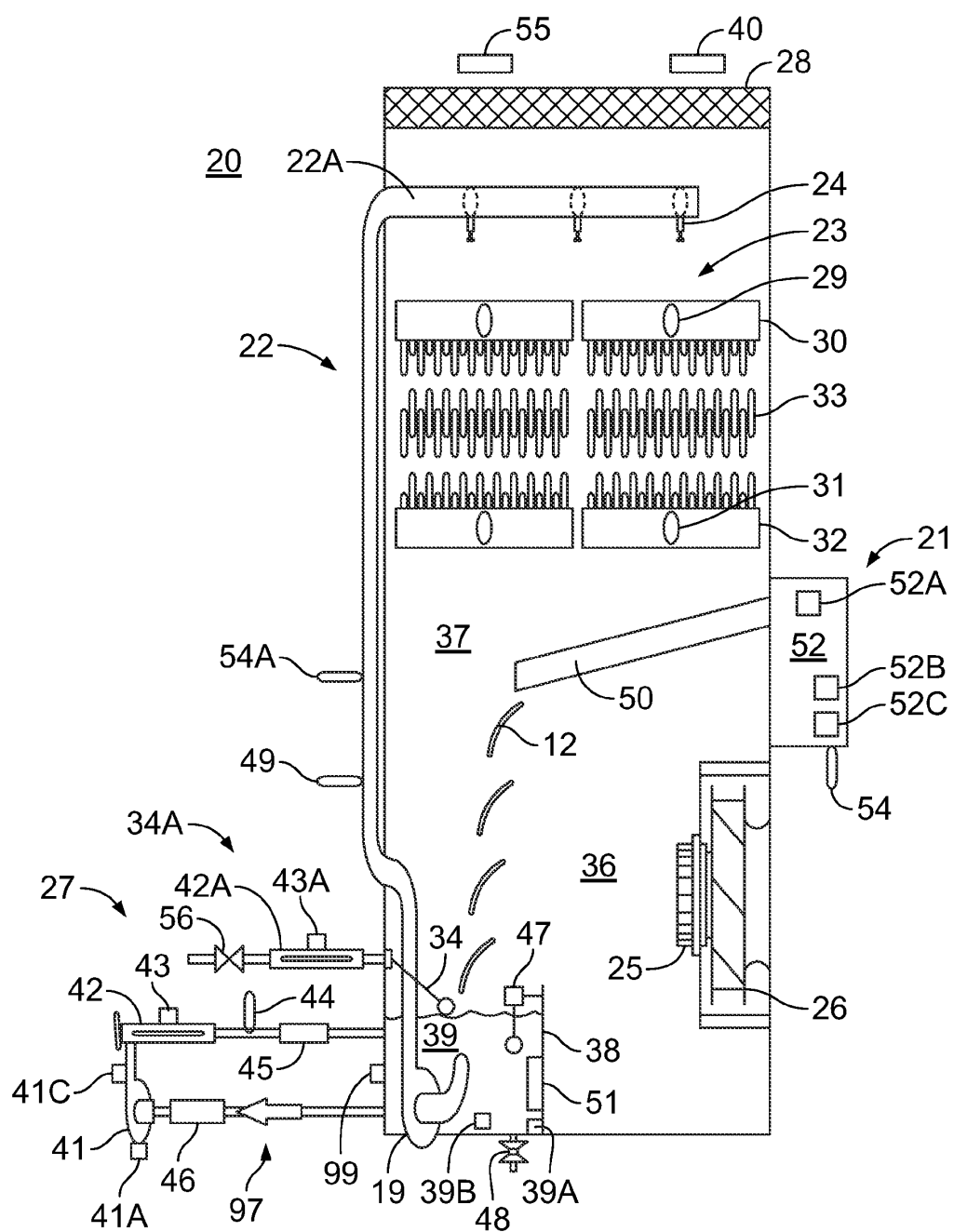


FIG. 2

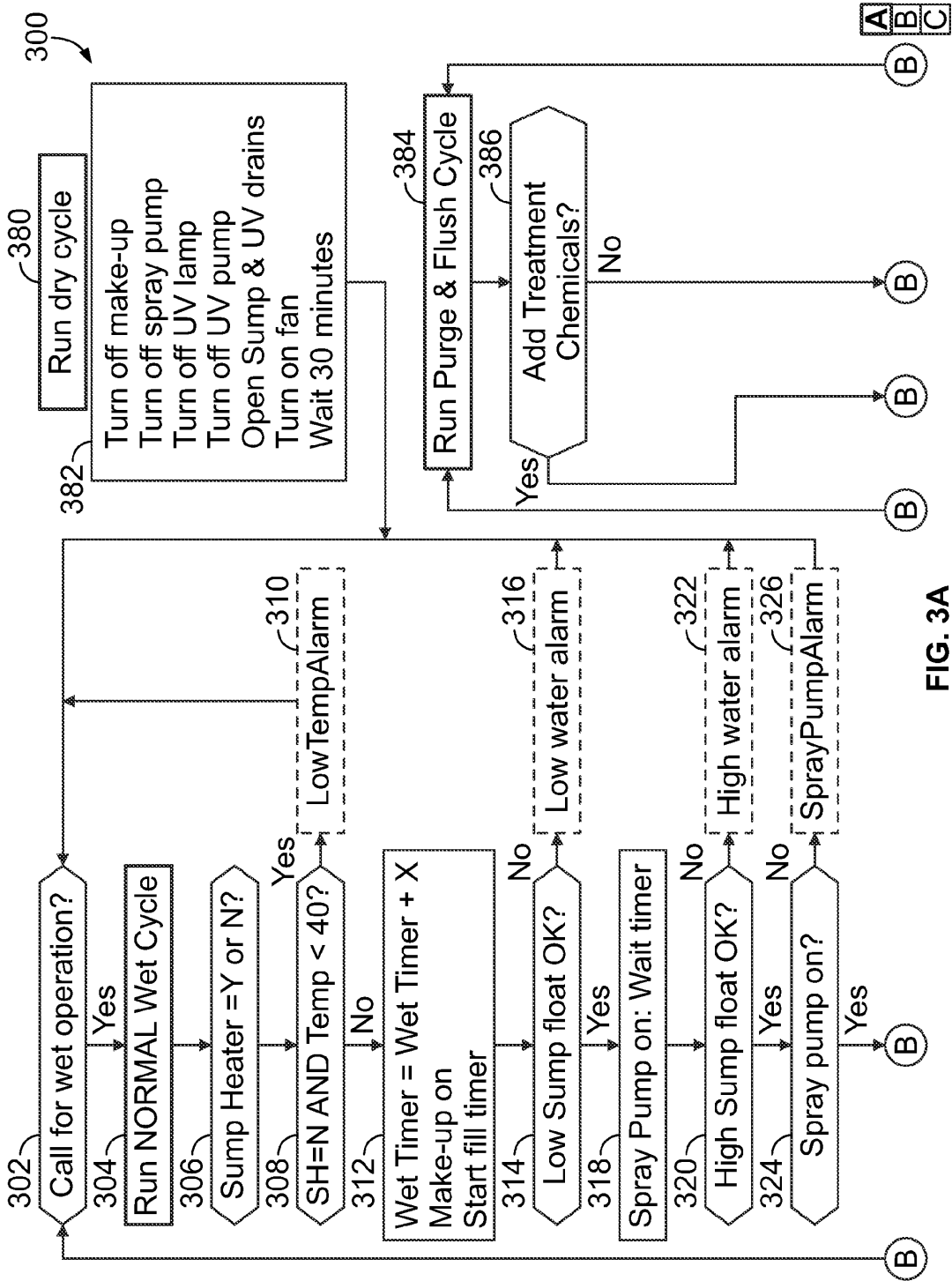


FIG. 3A

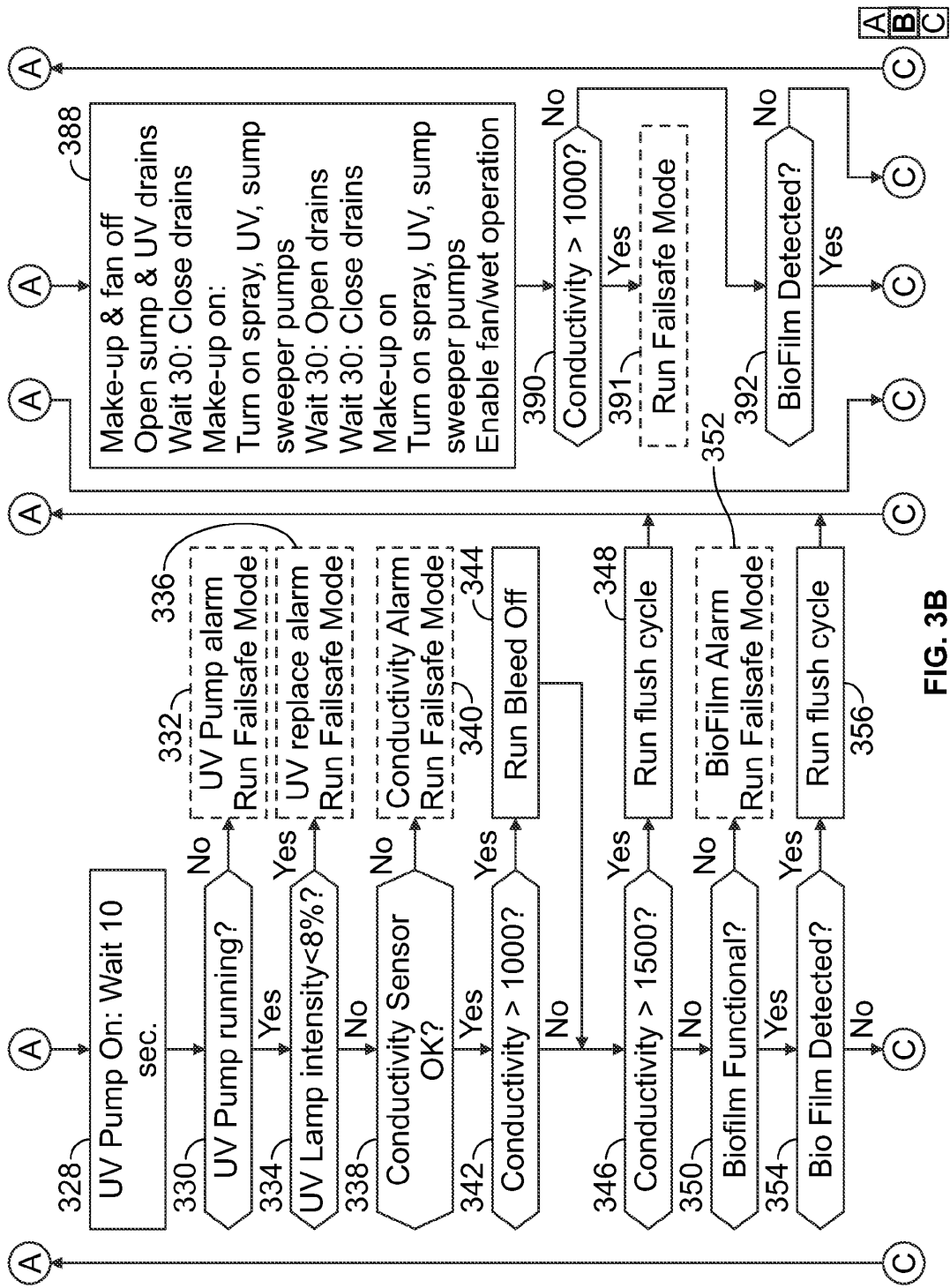
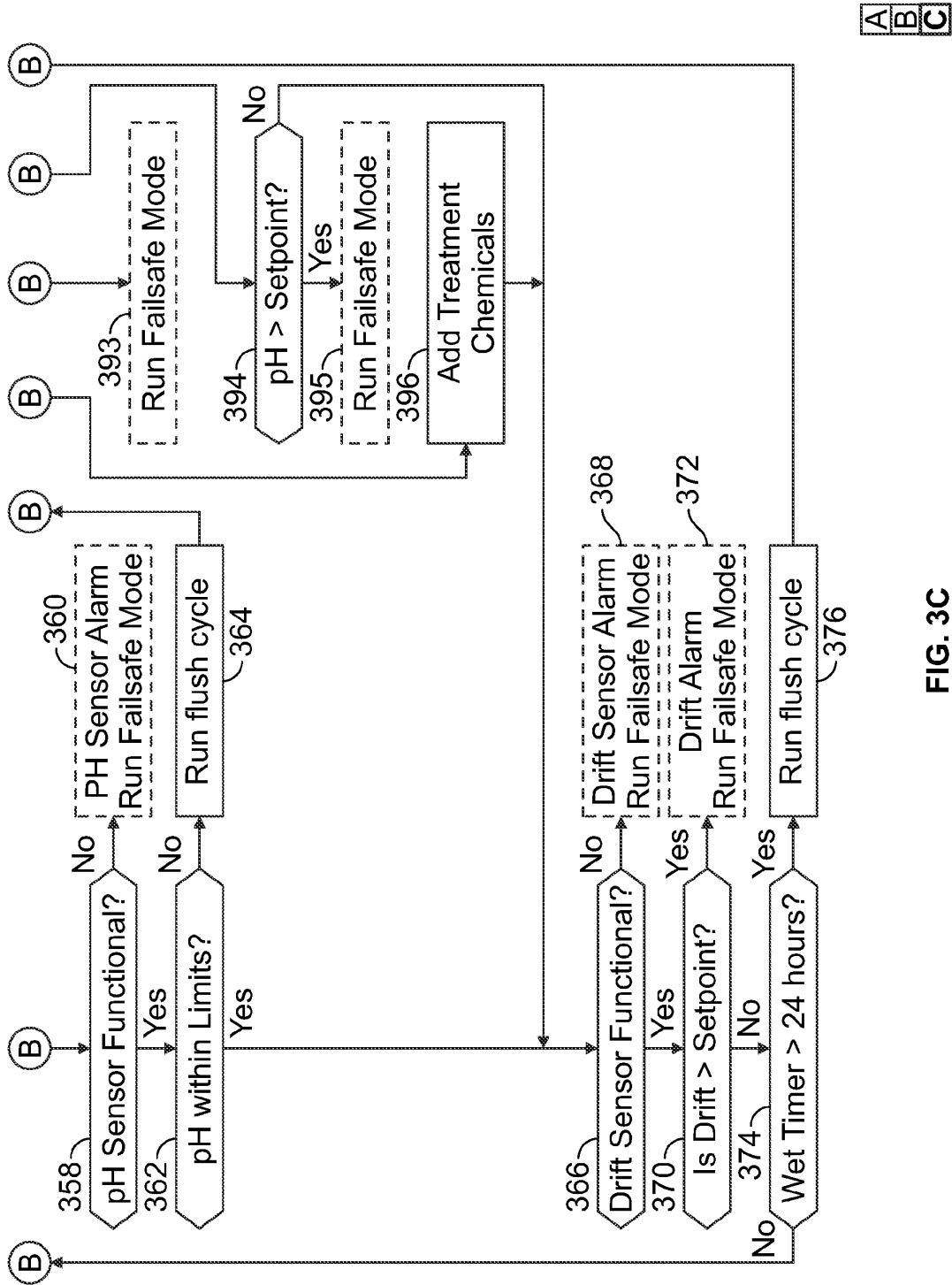


FIG. 3B



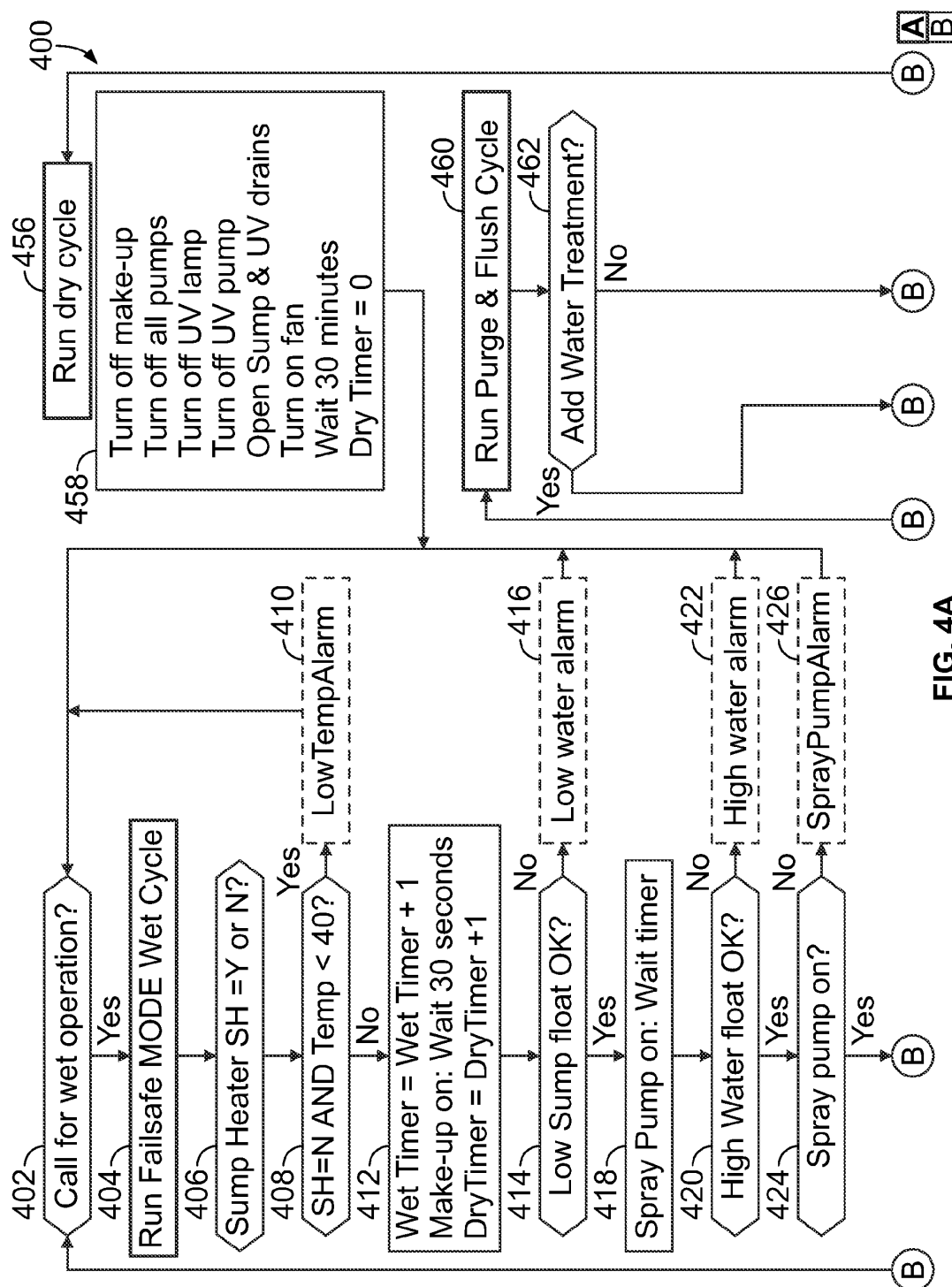


FIG. 4A

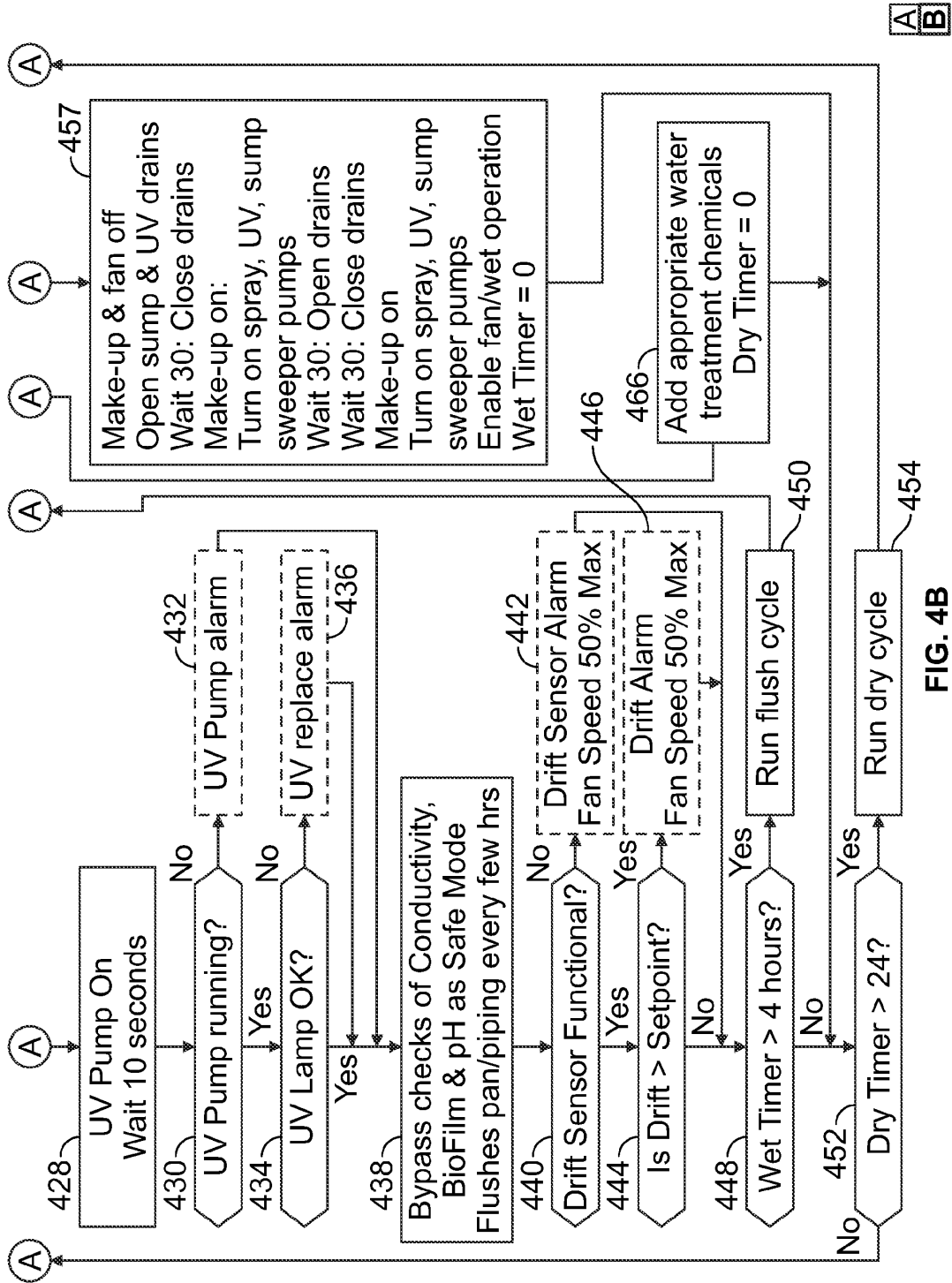


FIG. 4B

- Manual Inputs -500
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- Are there sump heaters?
- Can unit operate in wet mode below freezing?
- Minimum allowable spray water temperature to operate in wet mode?
- Is there a UV Lamp on Make-up?
- Is there a UV Lamp in a side stream?
- If high water level is detected, shut off the water supply by water valve?
- During Failsafe mode, is it desired to bypass water quality sensors and simply flush more often?
- Is the water quality periodically analyzed offsite?
 - Can the offsite water quality be remotely inputted?
 - what is the Conductivity level?
 - what is the bioactivity and/or biofilm level?
 - what is the pH level of sump and make-up

Conductivity Control:

- Does a water Treatment Company control the bleed-off?
- Conductivity level bleed off is turned on by Water Treatment Company?
- Conductivity level bleed off is turned off by Water Treatment Company?
- Is it desired to have controller 52 operate as a back-up to bleed off operation? If yes
 - Conductivity low level when bleed off is turned on and differential
 - Conductivity high level when bleed off is turned off and differential

Microbial Control:

- Minimum effective UV Lamp intensity before cleaning is needed or an alarm is required?
- Maximum acceptable bioactivity or biofilm level and differential
- Preference to shut unit off or operate dry under upset conditions?
- Is unit equipped with back-up/emergency antimicrobial chemicals?
- Is adding chemicals preferred first before flushing?
- Number flush cycles before activating Failsafe mode?

FIG. 5A

- Manual Inputs (cont.) -

500

- pH -Minimum and maximum level of pH?
- Control: -Unit equipped with back-up/emergency pH control chemicals?
-pH level of make-up water?
-Preference to add chemicals first or flush first to correct pH?
- Drift -Maximum allowable drift rate and differential?
- Control: -Is bioactivity above the allowed level?
-Preference to lower fan speed, shut unit off or operate in dry mode?
- Plume -Is unit equipped with plume sensor?
- Control: -At what plume level is plume abatement needed and differential?
-Preference to operate plume abatement system, shut system off or operate dry?
- Flush -How many flush cycles during the Normal operating mode before
- Cycle: activating failsafe mode?
-How often should the flush cycle operate during Normal Operating Mode?
-How often should the flush cycle operate during an upset condition in the Normal Operating Mode?
-How often should the flush cycle operate during the Failsafe mode?
-Is unit equipped to add biocides during the flush cycle?
-Is unit equipped with a two speed pump which operates at high speed during the flush mode?
- Dry Cycle: -Is there a preference to occasionally run dry cycles?
-How long to operate the dry cycle?
-Is it desired to drain the water when the wet mode is not needed or keep water in the sump?

FIG. 5B