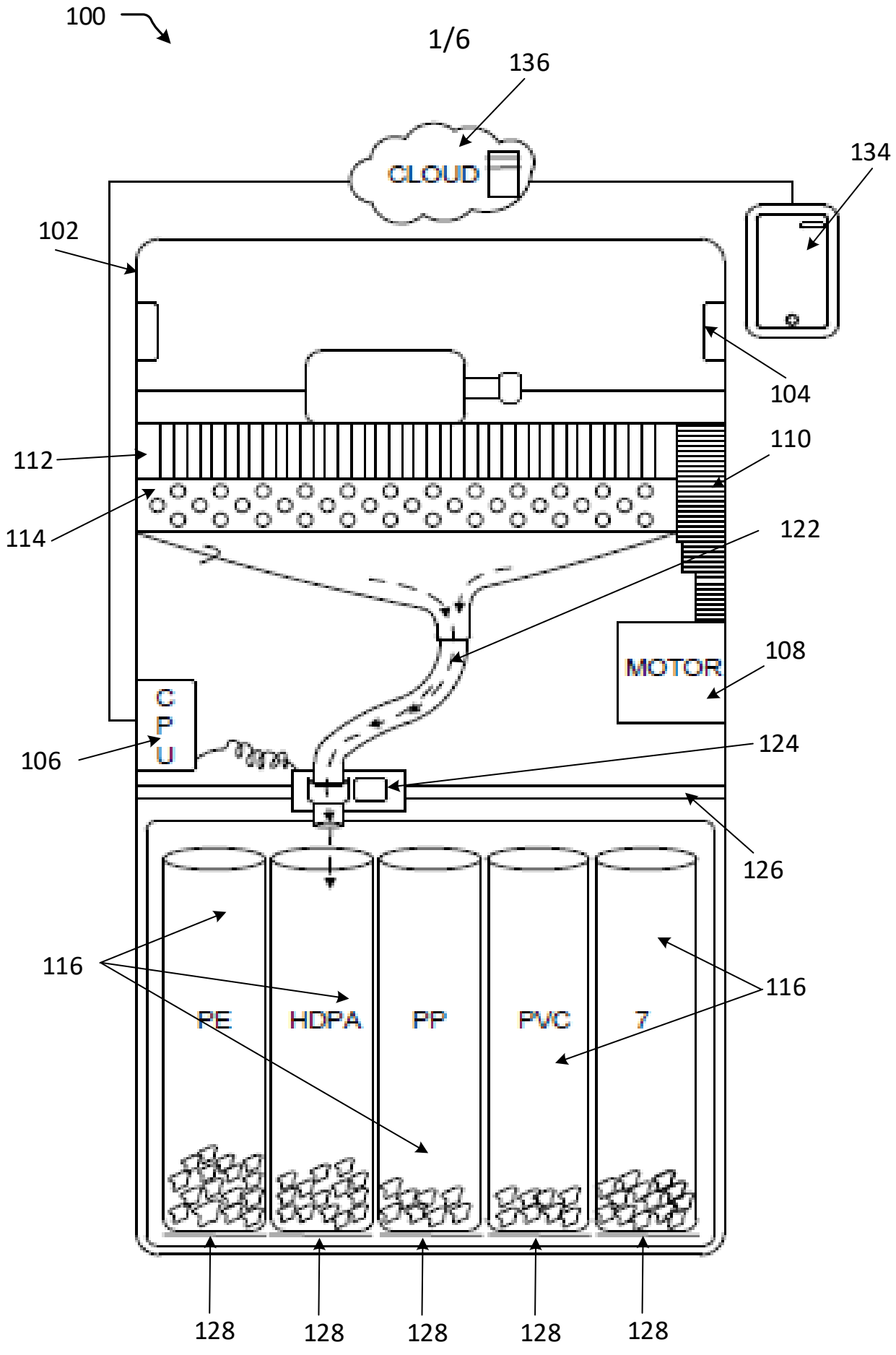

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MOTOR
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PE
HDPA
PP
PVC
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128
128

FIGURE. 1

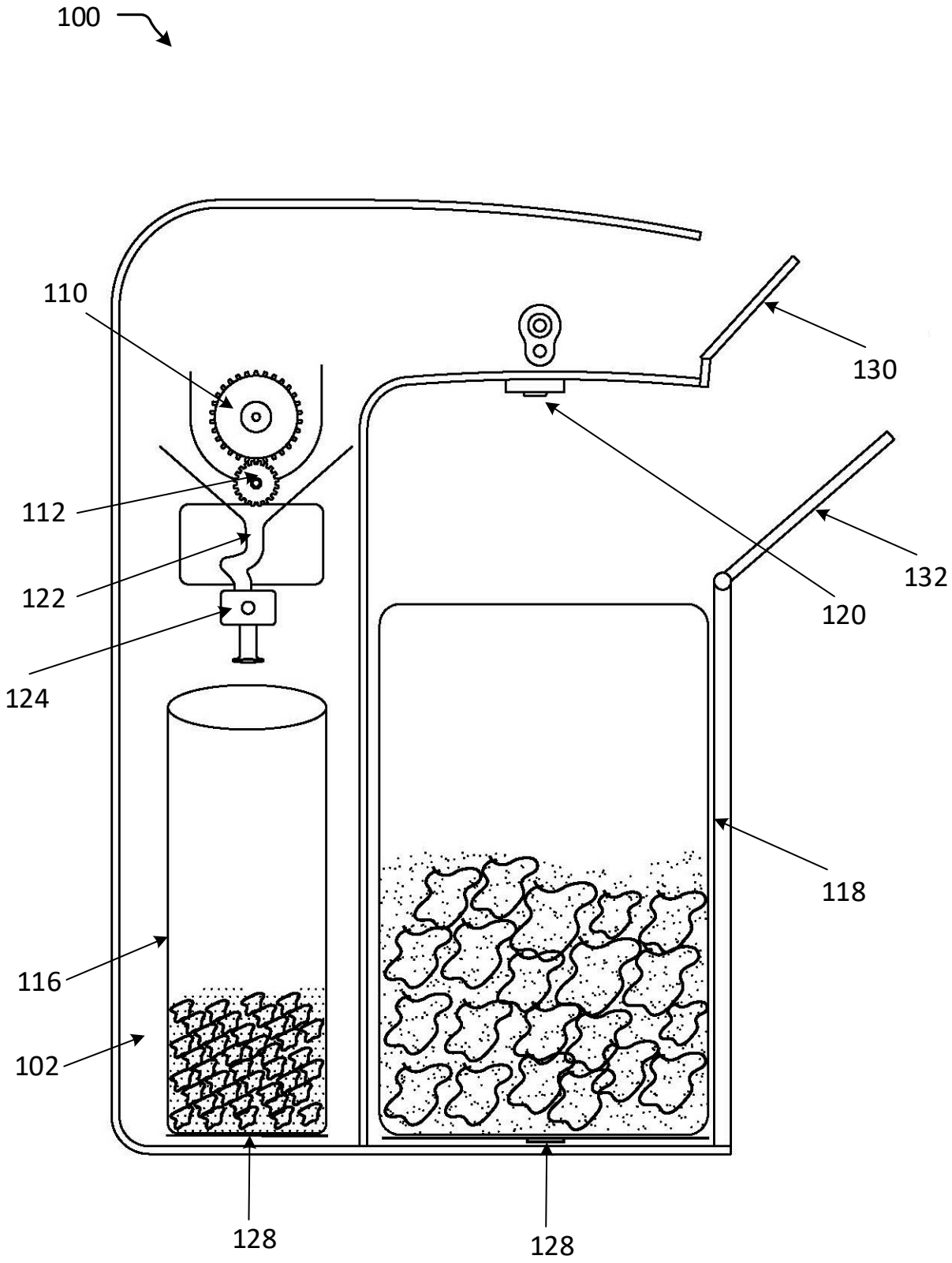


FIGURE. 2A

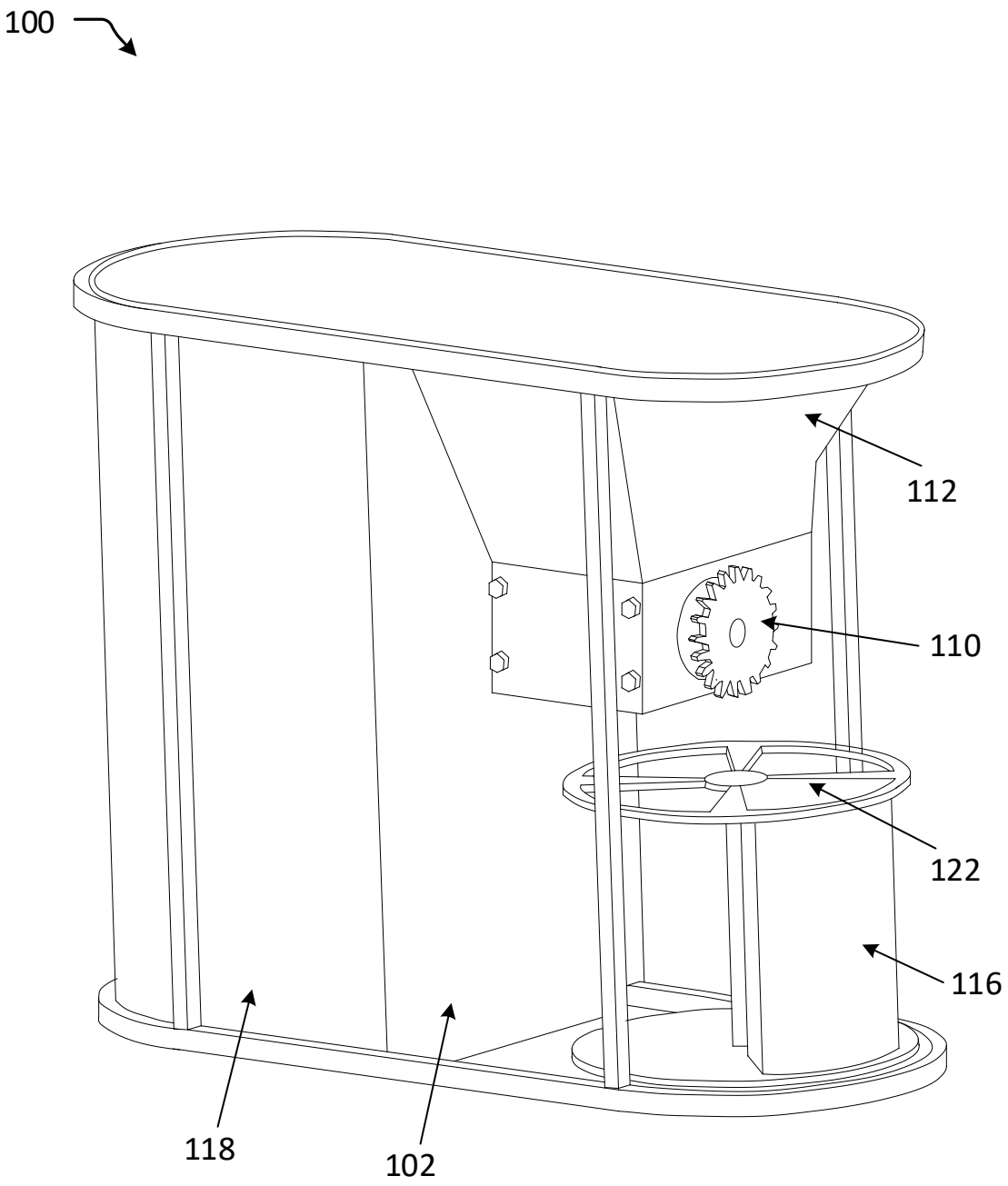


FIGURE. 2B

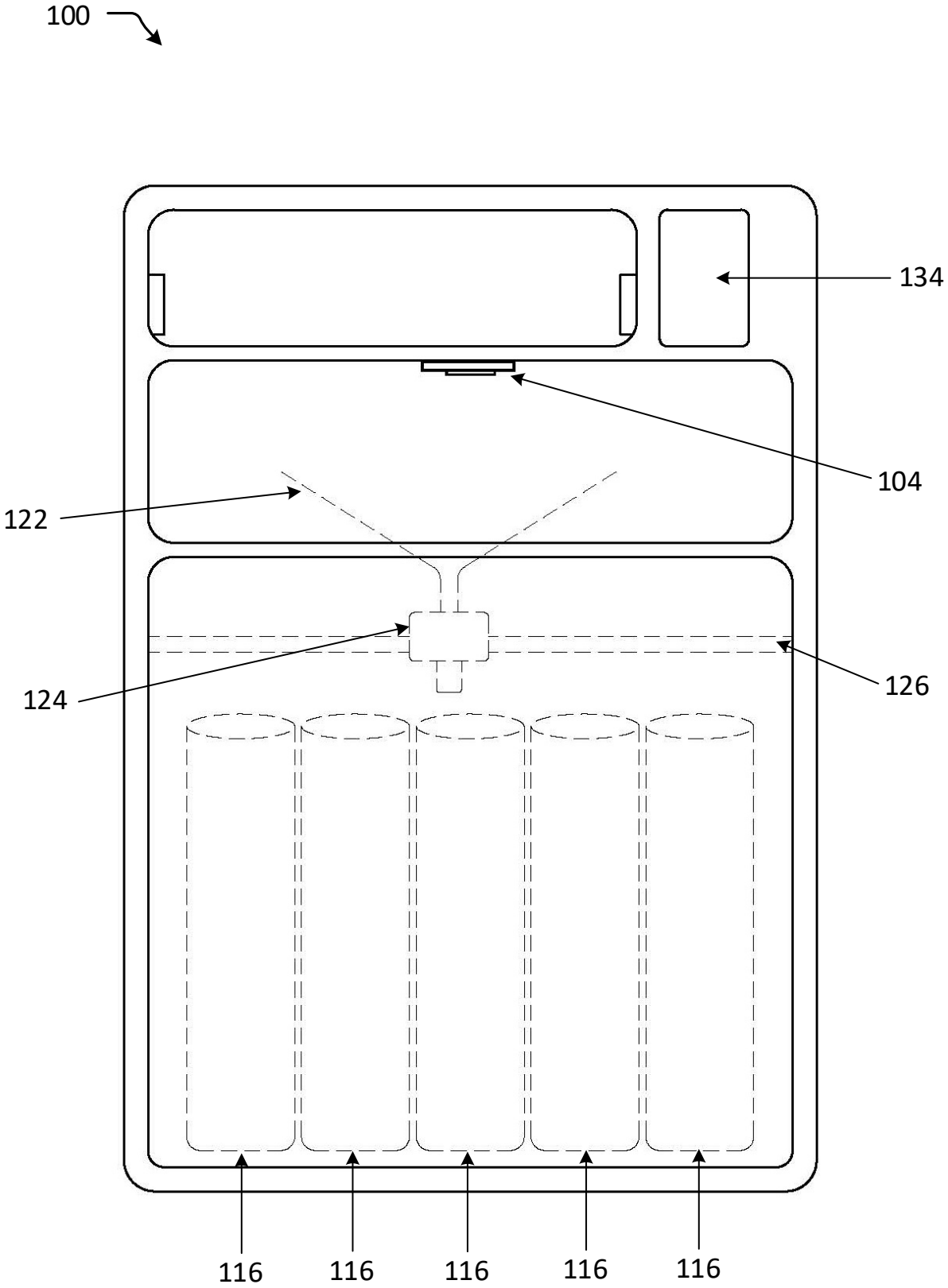


FIGURE. 3

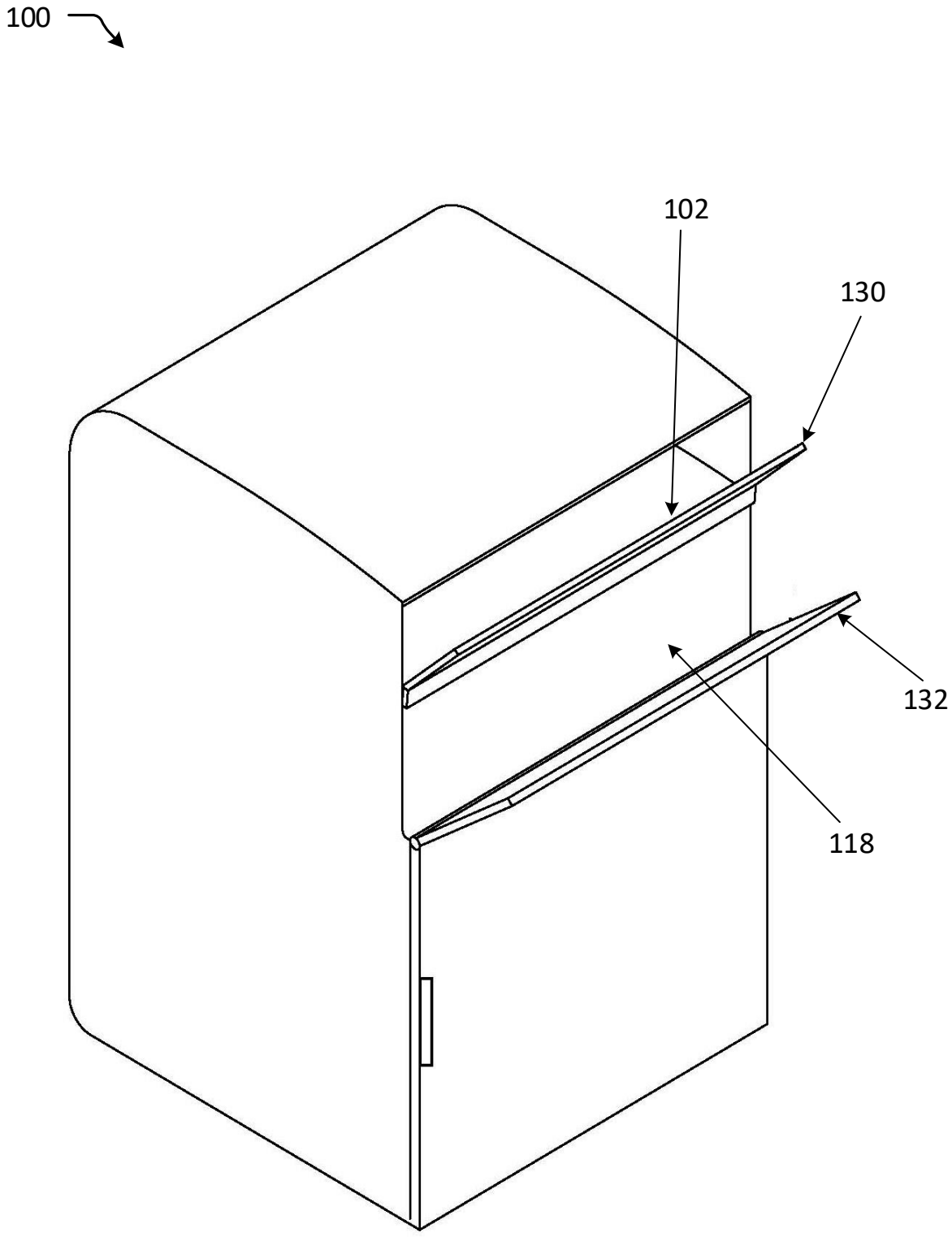


FIGURE. 4

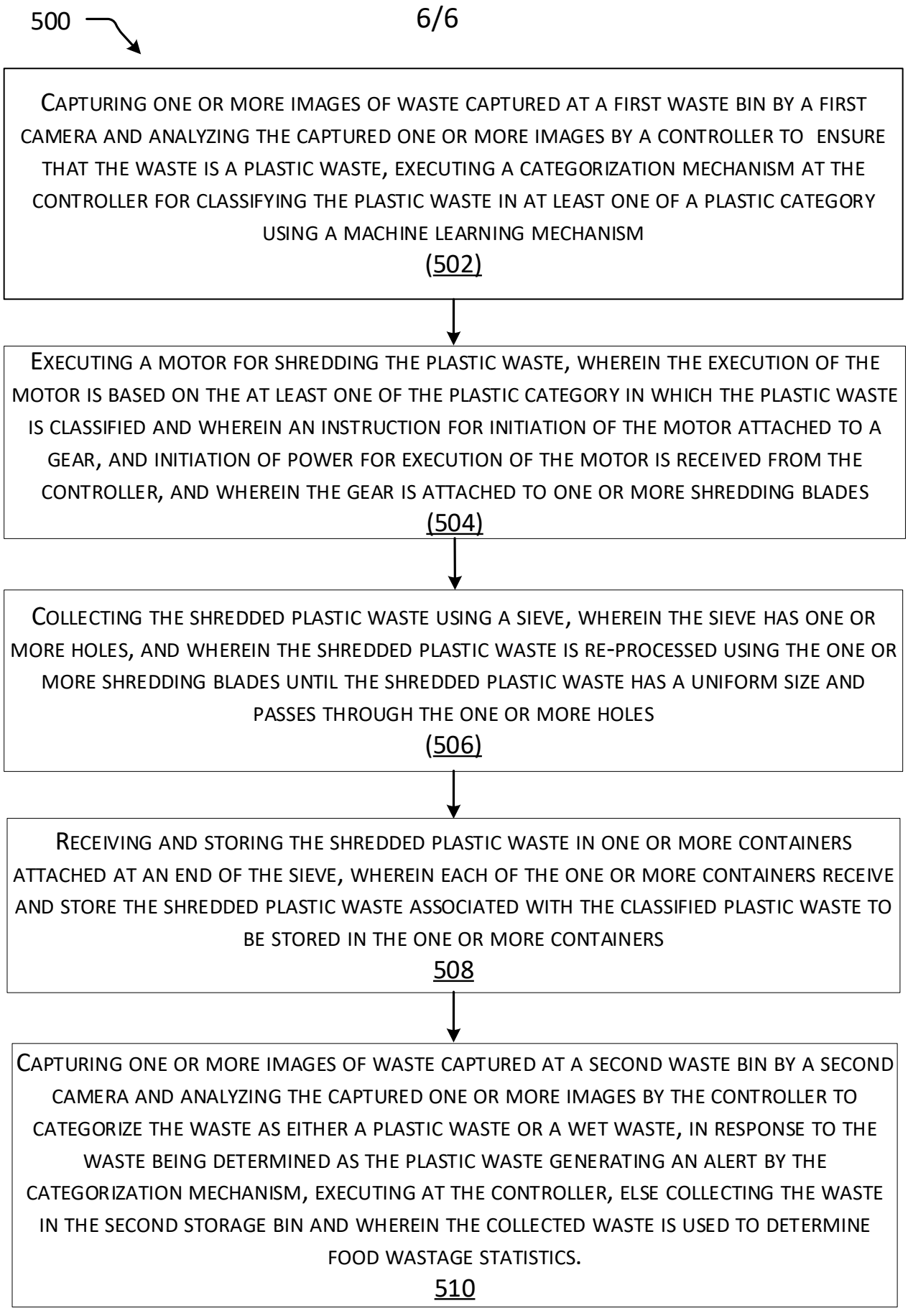

500
CAPTURING ONE OR MORE IMAGES OF WASTE CAPTURED AT A FIRST WASTE BIN BY A FIRST CAMERA AND ANALYZING THE CAPTURED ONE OR MORE IMAGES BY A CONTROLLER TO ENSURE THAT THE WASTE IS A PLASTIC WASTE, EXECUTING A CATEGORIZATION MECHANISM AT THE CONTROLLER FOR CLASSIFYING THE PLASTIC WASTE IN AT LEAST ONE OF A PLASTIC CATEGORY USING A MACHINE LEARNING MECHANISM
(502)
EXECUTING A MOTOR FOR SHREDDING THE PLASTIC WASTE, WHEREIN THE EXECUTION OF THE MOTOR IS BASED ON THE AT LEAST ONE OF THE PLASTIC CATEGORY IN WHICH THE PLASTIC WASTE IS CLASSIFIED AND WHEREIN AN INSTRUCTION FOR INITIATION OF THE MOTOR ATTACHED TO A GEAR, AND INITIATION OF POWER FOR EXECUTION OF THE MOTOR IS RECEIVED FROM THE CONTROLLER, AND WHEREIN THE GEAR IS ATTACHED TO ONE OR MORE SHREDDING BLADES
(504)
COLLECTING THE SHREDDED PLASTIC WASTE USING A SIEVE, WHEREIN THE SIEVE HAS ONE OR MORE HOLES, AND WHEREIN THE SHREDDED PLASTIC WASTE IS RE-PROCESSED USING THE ONE OR MORE SHREDDING BLADES UNTIL THE SHREDDED PLASTIC WASTE HAS A UNIFORM SIZE AND PASSES THROUGH THE ONE OR MORE HOLES
(506)
RECEIVING AND STORING THE SHREDDED PLASTIC WASTE IN ONE OR MORE CONTAINERS ATTACHED AT AN END OF THE SIEVE, WHEREIN EACH OF THE ONE OR MORE CONTAINERS RECEIVE AND STORE THE SHREDDED PLASTIC WASTE ASSOCIATED WITH THE CLASSIFIED PLASTIC WASTE TO BE STORED IN THE ONE OR MORE CONTAINERS
508
CAPTURING ONE OR MORE IMAGES OF WASTE CAPTURED AT A SECOND WASTE BIN BY A SECOND CAMERA AND ANALYZING THE CAPTURED ONE OR MORE IMAGES BY THE CONTROLLER TO CATEGORIZE THE WASTE AS EITHER A PLASTIC WASTE OR A WET WASTE, IN RESPONSE TO THE WASTE BEING DETERMINED AS THE PLASTIC WASTE GENERATING AN ALERT BY THE CATEGORIZATION MECHANISM, EXECUTING AT THE CONTROLLER, ELSE COLLECTING THE WASTE IN THE SECOND STORAGE BIN AND WHEREIN THE COLLECTED WASTE IS USED TO DETERMINE FOOD WASTAGE STATISTICS.
510

FIGURE. 5