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(57) Abstract :

The present disclosure relates to a multi-functional smart water bottle (102). The bottle (102) includes a cap (106) configured to be attached and detached from the bottle (102). The cap (106) includes at least one of a locking mechanism (108), GPS tracker (110) and a camera (112). The bottle (102) may include a filter mechanism configured within the water chamber to remove impurities and contaminants. The bottle (102) include one or more sensors integrated with the bottle (102) configured to track a location, and to capture one or more video images of a surrounding environment. The bottle (102) includes a controller (120) configured to receive passcode from a user, compare with the received passcode with the predefined passcode; transmit a first notification to the associated computing device, in case the passcode entered is wrong and open the locking mechanism configured with the cap (106) in case the passcode entered by a user is correct.

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