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(54) **KEYED DISPENSING SYSTEMS AND RELATED METHODS**

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CPC ***A47K 5/1207*** (2013.01); ***A47K 5/1217*** (2013.01)

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(58) **Field of Classification Search**

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See application file for complete search history.

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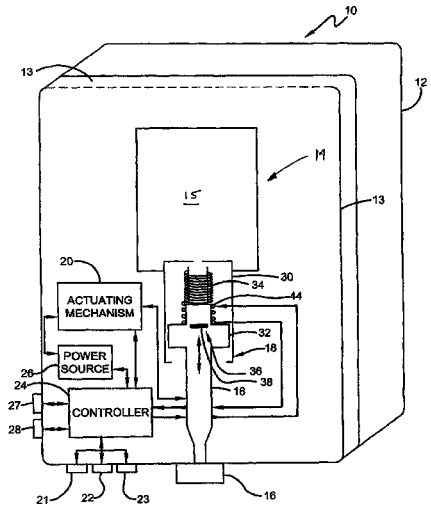
(57) **ABSTRACT**

A dispensing system includes a housing and a refill container carrying a dispensable material and received in the housing. A pump mechanism is coupled to the refill container and movable from a first position to a second position and back to the first position. An identifier is carried by either the refill container or the pump mechanism, and a detection device is carried by the housing. The detection device monitors a status of the identifier and allows operation of the pump mechanism based on a status change of the identifier.

29 Claims, 3 Drawing Sheets