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Pelkey

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(54) **FLUID DISPENSERS WITH INCREASED MECHANICAL ADVANTAGE**

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CPC **A47K 5/1207** (2013.01); **B05B 11/3056** (2013.01)

(57) **ABSTRACT**

(58) **Field of Classification Search**

CPC A47K 5/1207; A47K 5/12; A47K 5/1202; A47K 5/1204; B05B 11/3056
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See application file for complete search history.

A fluid dispenser includes a dispense mechanism that provides for increased mechanical advantage. The dispense mechanism includes a lever member and an actuator. The lever member includes a first lever section that receives application of an input force and a second lever section that applies an output force to the actuator. The lever member and/or the actuator are configured to provide at least two contact points between the actuator and the second lever section during the course of a dispensing stroke such that the mechanical advantage provided at a first one of the at least two contact points is greater than the mechanical advantage provided at a second one of the at least two contact points.

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10 Claims, 7 Drawing Sheets

