

Title (en)
Improved mop assembly with liquid detergent supply

Title (de)
Verbesserter Mopzusammenbau mit Zufuhr von flüssigem Reinigungsmittel

Title (fr)
Ensemble de balai amélioré avec alimentation du détergent liquide

Publication
EP 1468639 A2 20041020 (EN)

Application
EP 04008737 A 20040413

Priority
US 41221203 A 20030414

Abstract (en)
An improved mop assembly with liquid detergent supply has a detergent storage bottle connected between the mop and the handle of a mop, a pump installed inside the storage bottle, a sucking tube disposed at one end of the pump, and an outlet nozzle connected with the storage bottle disposed on the other end of the pump, so that the handle pushes the pump and compresses a spring to resume the pump into its original position. Such back and forth movement squeezes the liquid detergent out from the pump and sucks liquid detergent into the pump when the pump resumes its position, and thus spraying the detergent out from the outlet nozzle. By means of the handle directly driving the pump in the storage bottle for the back and forth squeezing, it gives the convenience of supplying detergent before mopping. Furthermore, the sectional handle, storage bottle, and mop are detachable to provide a convenient way for easily assembling and storage, and reducing the volume of packaging materials and lowering the transportation cost. Further, a n-shape contractible support rod is disposed each on both sides of the mop to fit mops of different specifications, and thus having the effect of expanding the applications.

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CPC (source: EP)
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Cited by
CN117225662A; CN106419779A; CN106361225A; CN107049171A; CN109208267A

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