

Title (en)

Apparatus for spraying liquids, and disposable containers and liners suitable for use therewith

Title (de)

Vorrichtung zum Sprühen von Flüssigkeiten und Einwegbehälter und -Auskleidungen die dafür geeignet sind

Title (fr)

Appareil de vaporisation de liquides, conteneurs jetables et doublures adaptés à son utilisation

Publication

EP 1961488 B2 20210224 (EN)

Application

EP 08103274 A 19980114

Priority

- GB 9701447 A 19970124
- GB 9712784 A 19970618
- EP 05020408 A 19980114
- EP 98901823 A 19980114
- US 9800796 W 19980114

Abstract (en)

[origin: WO9832539A1] A spray gun (1) has a fluid reservoir (11) which contains a removable liner (13). The liner (13), which may be thermo/vacuum-formed from a plastics material, is a close fit within the interior of the reservoir and collapses as fluid is withdrawn from within the liner during operation of the gun. Preferably, the liner has a comparatively-rigid base and is capable of standing, unsupported, outside the reservoir. The side walls of the liner are preferably thin in comparison to the base and can be collapsed for disposal of the liner. The reservoir (11) has a removable lid (15) and is capable of standing, inverted, on its own so that it can be filled with fluid. The lid (15) also functions to secure the liner (13) in the reservoir and, at the end of a spraying operation, the lid (15) and the liner (13) are removed together from the reservoir (11) and discarded, thereby simplifying the cleaning of the spray gun.

IPC 8 full level

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CPC (source: EP US)

B05B 7/24 (2013.01 - EP); **B05B 7/2408** (2013.01 - EP); **B05B 7/2478** (2013.01 - EP); **B05B 7/2481** (2013.01 - EP); **B05B 15/40** (2018.01 - EP); **B05B 15/62** (2018.01 - US); **F28D 7/106** (2013.01 - EP); **B05B 15/63** (2018.01 - EP US)

Citation (opposition)

Opponent :

- US 5582350 A 19961210 - KOSMYNA MICHAEL J [US], et al
- US 5094543 A 19920310 - MURSA LASZLO [CA]
- US 5248089 A 19930928 - BEKIUS WAYNE [US]
- US 5060816 A 19911029 - ROBBINS III EDWARD S [US]
- US 3670965 A 19720620 - MARAND JEAN

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EP4000744A1; US10035156B2; US10882064B2; US11040360B2; US11548018B1; US11679399B2; US12064783B2

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