

## 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 A2 20080827 (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)

A fluid reservoir (11) comprises a container (12) capable of standing unsupported on its base end so that it can be filled with fluid through an opening opposite the base end, and a lid (15) to close the opening. The reservoir (11) containing fluid is attached to a gravity fed spray gun (1) by inverting the spray gun (1) from its normal operating position (Figure 6) to an inverted position (Figure 5) in which the spray gun (1) is connectable to an outlet in the lid (15) above the level of the fluid in the container (12). The spray gun (1) can then be inverted to its normal operating position with the reservoir (11) mounted thereon and the outlet in the lid (15) below the level of fluid in the container (12). The spray gun (1) can then be operated to transfer fluid from the reservoir (11) to the spray gun (1) through the outlet in the lid (15). The container (12) may collapse as fluid is withdrawn and/or may be collapsible for disposal.

## IPC 8 full level

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## CPC (source: EP US)

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## Citation (applicant)

- US 3211324 A 19651012 - SAPIEN SISTO V
- US 3255972 A 19660614 - HULTGREN RALPH J, et al
- US 4151929 A 19790501 - SAPIEN SISTO V [US]
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EP4000744A1; US10035156B2; US10882064B2; US11040360B2; US11548018B1; US11679399B2

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**WO 9832539 A1 19980730**; CA 2277096 A1 19980730; CA 2277096 C 20070403; CA 2569369 A1 19980730; CA 2569369 C 20090519; CN 1142830 C 20040324; CN 1244141 A 20000209; DE 03020831 T1 20050113; DE 04002190 T1 20050504; DE 29825015 U1 20040311; DE 29825119 U1 20050127; DE 29825120 U1 20050203; DE 69831653 D1 20051027; DE 69831653 T2 20060907; DE 69831653 T3 20090730; DE 69836570 D1 20070111; DE 69836570 T2 20070927; DE 98901823 T1 20050331; EP 0954381 A1 19991110; EP 0954381 B1 20050921; EP 0954381 B2 20090121; EP 0954381 B8 20051123; EP 1961488 A2 20080827; EP 1961488 A3 20111102; EP 1961488 B1 20140618; EP 1961488 B2 20210224; EP 2090372 A2 20090819; EP 2090372 A3 20111102; EP 2090372 B1 20140618; ES 2226604 T1 20050401; ES 2226604 T3 20100323; ES 2226604 T5 20130708; ES 2226611 T1 20050401; ES 2226611 T3 20060416; ES 2226611 T5 20090608; ES 2278100 T3 20070801; HK 1023529 A1 20000915; JP 2001508698 A 20010703; JP 4301577 B2 20090722; PL 190184 B1 20051130; PL 334754 A1 20000313

## DOCDB simple family (application)

**US 9800796 W 19980114**; CA 2277096 A 19980114; CA 2569369 A 19980114; CN 98802016 A 19980114; DE 03020831 T 19980114; DE 04002190 T 19980114; DE 29825015 U 19980114; DE 29825119 U 19980114; DE 29825120 U 19980114; DE 69831653 T 19980114; DE 69836570 T 19980114; DE 98901823 T 19980114; EP 08103274 A 19980114; EP 09006816 A 19980114; EP 98901823 A 19980114; ES 03020831 T 19980114; ES 04002190 T 19980114; ES 98901823 T 19980114; HK 00102611 A 20000428; JP 53203798 A 19980114; PL 33475498 A 19980114