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# United States Patent [19]

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Proctor

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## [54] HAND OPERATED SPRAYER WITH MULTIPLE FLUID CONTAINERS

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[51] Int. Cl.<sup>5</sup> ..... **B05B 7/04; B05B 9/043; B05B 11/00**

[52] U.S. Cl. .... **239/304; 239/333; 222/136**

[58] Field of Search ..... 239/303, 304, 305, 331, 239/333, 334; 222/136, 145, 340, 383; 215/6, 10; 220/23.4; 206/504

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### [57] ABSTRACT

A dispensing device or trigger sprayer which selectively draws fluid out from at least two containers, mixes the fluids in a desired concentration or ratio and expels the mixture of fluids out a nozzle. The trigger sprayer is equipped with a metering device for variably controlling the ratio of the fluids being mixed. The containers or bottles connected to the trigger sprayer are selectively detachable for refilling a container with fluid or exchanging one of the containers with another container having an alternate fluid.

28 Claims, 7 Drawing Sheets

