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# United States Patent [19]

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Proctor

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[54] **HAND OPERATED FLUID DISPENSER FOR MULTIPLE FLUIDS AND DISPENSER BOTTLE**

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[\*] Notice: The portion of the term of this patent subsequent to Oct. 6, 2009 has been disclaimed.

[21] Appl. No.: **865,001**

[22] Filed: **Apr. 8, 1992**

### Related U.S. Application Data

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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; 222/145**

[58] Field of Search ..... **239/303, 304, 305, 331, 239/333, 334; 222/136, 145, 340, 383**

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### [57] ABSTRACT

A fluid-dispensing device which selectively draws fluid out from at least two containers or fluid chambers, mixes the fluids in a desired concentration or ratio and expels the mixture of fluids out a nozzle. The dispensing device may be equipped with a mechanism for variably controlling the ratio of the fluids being mixed. The containers may be bottles connectable to the fluid-dispensing device and selectively detachable for refilling with fluid or exchanging one of the containers with another container having an alternate fluid. The bottles include mating elements to permit interconnection of the bottles as well as venting and spill prevention mechanisms.

19 Claims, 11 Drawing Sheets

