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Vu et al.

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- (54) **BEVERAGE BREWING SYSTEM** 3,589,272 A * 6/1971 Bouladon et al. 99/295
- 3,978,233 A * 8/1976 Bolt 426/115
- (75) Inventors: **Robert B. Vu**, Houston, TX (US); 4,104,957 A 8/1978 Freedman et al.
- Jacqueline Y. Vu**, Houston, TX (US); 4,167,899 A 9/1979 McCormick
- Tuan "Peter" Anh Dieu**, Houston, TX (US) 4,345,512 A 8/1982 Moore
- 4,381,696 A 5/1983 Koral
- 4,386,109 A * 5/1983 Bowen et al. 426/241
- 4,577,080 A 3/1986 Grossman
- (73) Assignee: **JavaVoo, LLC**, Houston, TX (US) 4,627,334 A * 12/1986 Shanklin 99/306
- 4,721,835 A 1/1988 Welker
- (*) Notice: Subject to any disclaimer, the term of this 4,908,222 A 3/1990 Yu
- patent is extended or adjusted under 35 4,990,734 A 2/1991 Hirsch
- U.S.C. 154(b) by 315 days. 5,012,059 A 4/1991 Boatman
- 5,064,980 A * 11/1991 Grossman et al. 219/689
- (21) Appl. No.: **10/878,581** 5,104,666 A * 4/1992 Sanvitale 426/77

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(Continued)

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FOREIGN PATENT DOCUMENTS

EP 1 169 957 A1 1/2002

Related U.S. Application Data

Primary Examiner—Reginald L Alexander
(74) *Attorney, Agent, or Firm*—Slater & Matsil, L.L.P.

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(57) **ABSTRACT**

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 - (52) **U.S. Cl.** **99/306**; 99/295; 99/316;
99/323.3; 426/433; 426/115; 219/689; 206/217;
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 - (58) **Field of Classification Search** 99/306,
99/304, 299, 307, 316, 295, 275, 279, 323.3;
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- See application file for complete search history.

A beverage brewing system is adapted to have a brewing configuration, in which, a brewing chamber has a brewing substance therein, a bottle initially has a fluid therein, a lid is located over a cup, the bottle is removably attached to the lid and located over the lid, the brewing chamber is located between the bottle and the cup, and a blow-out valve is located between the bottle and the brewing chamber so that the blow-out valve initially hinders a flow of the fluid from the bottle to the brewing chamber. The blow-out valve is adapted to be breached at a predetermined pressure when the fluid is heated to allow the fluid to pass through the brewing chamber into the cup to form a brewed fluid. The entire system is preferably disposable and microwavable. Preferably, the system has a compact storage configuration and a portable drinking configuration as well.

(56) **References Cited**
U.S. PATENT DOCUMENTS

2,732,787 A * 1/1956 Osborne 99/306

71 Claims, 30 Drawing Sheets

