US006777014B2

(12) **United States Patent**
Singh

(10) **Patent No.: US 6,777,014 B2**
(45) **Date of Patent: Aug. 17, 2004**

(54) **AGGLOMERATED MILK IN COFFEE AND TEA**

(76) Inventor: **Harjit Singh**, 3303 NE. 15th Ct., Ft. Lauderdale, FL (US) 33304

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 243 days.

(21) Appl. No.: **09/898,968**

(22) Filed: **Jul. 3, 2001**

(65) **Prior Publication Data**

US 2003/0008053 A1 Jan. 9, 2003

(51) **Int. Cl.**[7] **A23C 9/00**; A23F 3/00; A23F 5/00; A23L 2/38

(52) **U.S. Cl.** **426/569**; 426/593; 426/596; 426/597; 426/453; 426/594; 426/580; 426/590

(58) **Field of Search** 426/580, 590, 426/594, 569, 593, 596, 597, 453

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,555,698 A * 1/1971 Boer 34/443
3,987,715 A * 10/1976 Muller 99/275
4,215,801 A * 8/1980 Newman et al. 222/63
4,885,848 A * 12/1989 Christensen 34/582
5,024,848 A 6/1991 Little
5,149,558 A 9/1992 Little et al.
5,284,674 A * 2/1994 Fazio
5,773,061 A * 6/1998 Getler et al. 426/285
5,839,207 A * 11/1998 Christensen et al. 34/369
6,250,506 B1 * 6/2001 Geiger et al. 222/105
6,382,470 B1 * 5/2002 Hu et al. 222/203

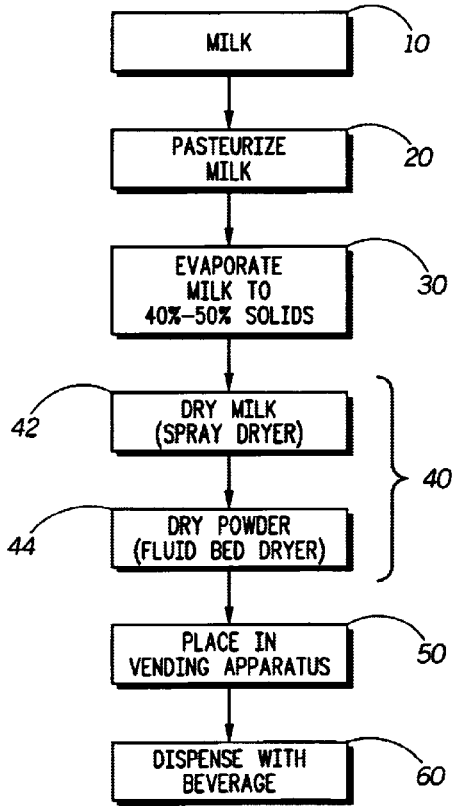
FOREIGN PATENT DOCUMENTS

GB 2255703 * 11/1992
IE 73466 * 6/1997

* cited by examiner

Primary Examiner—Anthony Weier
(74) *Attorney, Agent, or Firm*—Kevin P. Crosby, Esq.; Daniel C. Crilly, Esq.; Brinkley, McNerney et al.

(57) **ABSTRACT**

A process for preparing a consumable beverage containing a natural dairy beverage additive in the form of agglomerated natural milk powder. The powder is combined with other ingredients, either prior to being placed in the vending machine or upon demand within the vending machine, for the subsequent creation of a consumable beverage which includes the natural dairy beverage additive.

29 Claims, 9 Drawing Sheets