



US005882716A

United States Patent [19]

[11] **Patent Number:** **5,882,716**

Munz-Schaerer et al.

[45] **Date of Patent:** **Mar. 16, 1999**

[54] **SOLUBLE COFFEE BEVERAGE PRODUCT**

[75] Inventors: **Daniela Doris Munz-Schaerer**,
Konolfingen; **Olaf Wehrspann**, Orbe;
Marc Furrer, Blonay; **Heinz Wyss**,
Oberdiessbach, all of Switzerland

4,745,527	5/1988	Belverio, Jr. et al.	362/100
4,746,527	5/1988	Kuypers	426/594
5,030,473	7/1991	Ghodsizadeh	426/650
5,100,509	3/1992	Pisecky et al.	159/4.2
5,222,364	6/1993	Carns et al.	62/15
5,400,972	3/1995	Maier et al.	239/422
5,433,962	7/1995	Stipp	426/96

[73] Assignee: **Nestec S.A.**, Vevey, Switzerland

FOREIGN PATENT DOCUMENTS

[21] Appl. No.: **815,977**

645566	1/1994	Australia .
0354810	2/1990	European Pat. Off. .
378498	7/1990	European Pat. Off. .
458310	11/1991	European Pat. Off. .
4407361	9/1995	Germany .

[22] Filed: **Mar. 10, 1997**

[30] **Foreign Application Priority Data**

Mar. 12, 1996 [EP] European Pat. Off. 96200676

Primary Examiner—Anthony J. Weier
Attorney, Agent, or Firm—Pennie & Edmonds LLP

[51] **Int. Cl.**⁶ **A23L 2/40**; A23F 5/00

[52] **U.S. Cl.** **426/591**; 426/594; 426/580;
426/588; 426/569

[57] **ABSTRACT**

[58] **Field of Search** 426/594, 569,
426/580, 588, 590, 591

A soluble coffee beverage powder which, upon the addition of water, is capable of forming a coffee beverage having a foamed upper surface. The soluble beverage powder is made up of a soluble whitener powder containing gas and a soluble coffee powder of delayed water solubility. Upon addition of water, the soluble whitener powder dissolves first and hence it is possible to obtain whiter, stable foams.

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,227,558	1/1966	Richmond	99/71
3,823,241	7/1974	Patel et al.	426/386
4,438,147	3/1984	Hedrick, Jr.	426/570

30 Claims, No Drawings