US006177119B1

(12) **United States Patent**
Zeller et al.

(10) **Patent No.: US 6,177,119 B1**
(45) **Date of Patent: Jan. 23, 2001**

(54) **SELF-WHITENING COFFEE AND METHOD OF MANUFACTURE THEREFOR**

(75) Inventors: **Bary L. Zeller**, Glenview, IL (US); **William B. Graves**, Stamford, CT (US); **Raymond M. McGarvey**, Middle Village, NY (US)

(73) Assignee: **Kraft Foods, Inc.**, Northfield, IL (US)

(*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

(21) Appl. No.: **09/190,201**

(22) Filed: **Nov. 10, 1998**

(51) **Int. Cl.**[7] **A23F 5/00**; A23F 5/24

(52) **U.S. Cl.** **426/594**; 426/96; 426/471

(58) **Field of Search** 426/594, 96, 471

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,398,081	4/1942	Carter	99/71
3,458,319	7/1969	Block et al.	99/71
3,653,911	4/1972	Mancuso et al.	99/71
3,706,572	12/1972	Einstman et al.	99/71
4,748,040	5/1988	Kuypers	426/569
5,128,156	7/1992	McKenna et al.	426/43
5,433,962	7/1995	Stipp	426/96
5,620,733	4/1997	Chaveron et al.	426/580

Primary Examiner—Anthony J. Weier
(74) *Attorney, Agent, or Firm*—Thomas A. Marcoux

(57) **ABSTRACT**

A self-whitening spray dried instant coffee is prepared by spray drying a caseinate-free aqueous emulsion having a pH of 5.5 to 9.0 and consisting essentially of 30–80% water and 20–70% solids, wherein the solids contain, on a dry weight basis, 10–70% soluble coffee, 5–60% oil, 0–85% filler, and 0–10% emulsifier.

13 Claims, No Drawings