United States Patent [19]

Baker et al.

[11] **Patent Number: 4,784,865**

[45] **Date of Patent: Nov. 15, 1988**

[54] **LOW FAT COFFEE WHITENER AND METHOD FOR MAKING LOW FAT COFFEE WHITENER**

[75] Inventors: **Donald B. Baker**, Tulsa; **Vanessa Hulett**, Jenks, both of Okla.

[73] Assignee: **The Pro-Mark Companies**, Tulsa, Okla.

[21] Appl. No.: **863,334**

[22] Filed: **May 15, 1986**

[51] **Int. Cl.**[4] **A23C 11/00**

[52] **U.S. Cl.** **426/250**; 426/392; 426/580; 426/583; 426/588; 426/602; 426/804

[58] **Field of Search** 426/583, 587, 588, 613, 426/586, 602, 580, 804, 392, 250

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,645,579	7/1953	Kempf et al.	426/330.2
2,970,913	2/1961	Loewenstein	426/580
3,592,940	7/1971	Quesada	426/98 X
3,995,070	11/1976	Nagasawa et al.	426/580
4,012,533	3/1977	Jonas	426/565
4,096,287	6/1978	Kemp	426/588
4,239,786	12/1980	Gilmore et al.	426/602 X
4,341,811	7/1982	Rule et al.	426/602
4,347,258	8/1982	Merkenich et al.	426/586 X
4,407,838	10/1983	Rule et al.	426/602
4,415,600	11/1983	Miller et al.	426/613
4,492,714	1/1985	Cooper et al.	426/613 X
4,631,196	12/1986	Zeller	426/580

Primary Examiner—Steven Weinstein
Assistant Examiner—Celine Callahan
Attorney, Agent, or Firm—Sixbey, Friedman, Leedom & Ferguson

[57] **ABSTRACT**

A substantially fat and cholesterol free, low calorie, fluid, dairy coffee whitener comprising, as major ingredients, low fat milk having a butterfat content not exceeding 1.0% by weight, preferably less than about 0.4% by weight, and nonfat dry milk solids, and including an emulsifier, preferably a monodiglyceride, and a whitening agent. The nonfat dry milk solids are preferably of the specially heat modified type and are derived from a process in which condensed skim milk is subjected to non-coagulative direct steam heating prior to spray drying. The resultant coffee whitener has the appearance, taste and mouth feel of conventional high butterfat containing dairy creamers, a total solids content of 18 to 25% by weight, a protein content of 8 to 12% by weight and a calorie content of less than 10 calories per serving.

22 Claims, No Drawings