US006447830B1

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

(10) **Patent No.: US 6,447,830 B1**
(45) **Date of Patent: Sep. 10, 2002**

(54) **WHITENED COFFEE CONCENTRATE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/558,064**

(22) Filed: **Apr. 26, 2000**

(30) **Foreign Application Priority Data**

Apr. 26, 1999 (EP) 99108164

(51) **Int. Cl.**[7] **A23F 5/00**
(52) **U.S. Cl.** **426/594**; 426/580; 426/584
(58) **Field of Search** 426/594, 584, 426/580

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,340,989	A	2/1944	Salkin	99/71
2,801,920	A	8/1957	Reich et al.	99/71
3,823,241	A	7/1974	Patel et al.	426/386
4,983,408	A	1/1991	Colton	426/45
5,030,473	A	7/1991	Ghodsizodeh	426/650
5,222,364	A	6/1993	Carns et al.	62/15
5,620,733	A	4/1997	Chaveron et al.	426/580

FOREIGN PATENT DOCUMENTS

CH	255956	7/1948
EP	0885566	* 12/1998
EP	0 893 065 A2	1/1999
FR	2 610 174	8/1988
GB	1130129	10/1968
GB	1415844	11/1975
WO	WP 89/04282	5/1989

OTHER PUBLICATIONS

G. Ehlers, "Possible applications of enzymes in coffee processing" Chemical Abstracts, Columbus, Ohio, vol. 96, No. 10, (1982).

* cited by examiner

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(57) **ABSTRACT**

A stable, whitened coffee concentrate that is a mixture of milk solids, soluble coffee solids, and coffee aroma, that has a solids concentration above about 25% by weight and a process for making the concentrate. The coffee aroma stabilizes the concentrate.

15 Claims, No Drawings