



US006235721B1

(12) **United States Patent**
Ghosal

(10) **Patent No.:** **US 6,235,721 B1**
(45) **Date of Patent:** ***May 22, 2001**

(54) **STABILIZATION OF VITAMIN C**
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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.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **09/503,899**
(22) Filed: **Feb. 15, 2000**

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/251,917, filed on Feb. 17, 1999, now Pat. No. 6,124,268.
(51) **Int. Cl.**⁷ **A61K 31/70**; A61K 31/34
(52) **U.S. Cl.** **514/25**; 514/27; 514/474; 424/401; 424/439; 424/440; 424/195.1

(58) **Field of Search** 514/27, 25, 474; 424/401, 439, 440, 195.1

(56) **References Cited**
U.S. PATENT DOCUMENTS

6,124,268 * 9/2000 Ghosal 514/27
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(57) **ABSTRACT**

A natural antioxidant blend in the form of an amorphous powder was obtained by extraction from *Emblica officinalis* fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. A synergistically stabilized composition of ascorbic acid or its derivatives with the antioxidant composition of *Emblica officinalis*, is also described. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

11 Claims, No Drawings