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**Ghosal**

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[54] **NATURAL ANTIOXIDANT COMPOSITIONS, METHOD FOR OBTAINING SAME AND COSMETIC, PHARMACEUTICAL AND NUTRITIONAL FORMULATIONS THEREOF**

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[51] **Int. Cl.**<sup>7</sup> ..... **A01N 65/00**

[52] **U.S. Cl.** ..... **514/27**; 514/25; 424/401; 424/439; 424/440; 424/195.1

[58] **Field of Search** ..... 424/401, 439, 424/440, 195.1; 514/25, 27

[56] **References Cited**  
**PUBLICATIONS**

“Active Constituents of *Emblica officinalis*: Part 1—The Chemistry and Antioxidative Effects of Two New Hydrolysable Tannins, Emblicanin A and B”, Shibnath Ghosal et al. *Indian Journal of Chemistry* vol. 35B, Sep. 1996, pp. 941–948.

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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. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

**13 Claims, No Drawings**