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United States Patent [19]

Paul

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[54] **COMPOSITION FOR ENHANCING LIPID PRODUCTION, BARRIER FUNCTION, HYDROGEN PEROXIDE NEUTRALIZATION, AND MOISTURIZATION OF THE SKIN**

[75] Inventor: **Harbhajan S. Paul**, Wexford, Pa.

[73] Assignee: **Biomed Research & Technologies, Inc.**, Wexford, Pa.

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[52] **U.S. Cl.** **424/401**; 424/450; 424/484; 514/2; 514/42

[58] **Field of Search** 424/401, 420, 424/484; 512/2, 42

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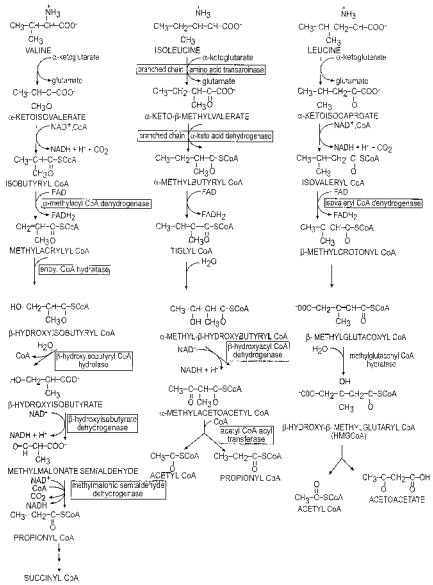
Primary Examiner—Jose' G. Dees
Assistant Examiner—Michael A. Willamson
Attorney, Agent, or Firm—Foley & Lardner

[57] **ABSTRACT**

Increased production of skin lipids, increased barrier function, hydrogen peroxide neutralization, prevention of loss of the natural moisturizing factor from the stratum corneum and moisturization of the skin is provided by a topically applicable composition which includes one or more components selected from the group consisting of branched chain amino acids, derivatives of branched chain amino acids and mixtures thereof, which one or more components are capable of being catabolized in epidermal cells to form lipid precursors for epidermal lipid synthesis. The composition can also include one or more enzyme activators which increase the rate of catabolism of the one or more components.

27 Claims, 4 Drawing Sheets