

# United States Patent [19]

Tomarelli

[11] Patent Number: 5,000,975

[45] Date of Patent: Mar. 19, 1991

[54] **RANDOMIZED PALM OIL FAT  
COMPOSITION FOR INFANT FORMULAS**

[75] Inventor: Rudolph M. Tomarelli, Phoenixville,  
Pa.

[73] Assignee: American Home Products  
Corporation, New York, N.Y.

[21] Appl. No.: 291,904

[22] Filed: Dec. 29, 1988

[51] Int. Cl.<sup>5</sup> ..... A23C 9/20

[52] U.S. Cl. .... 426/602; 426/607;  
426/613; 426/801

[58] Field of Search ..... 426/613, 601, 602, 801,  
426/607

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

3,542,560	11/1970	Tomarelli et al. ....	99/63
3,649,295	3/1972	Bernhart .....	99/57
3,997,682	12/1976	Allen .....	426/601
4,112,123	9/1978	Roberts .....	426/72
4,216,236	8/1980	Mueller .....	426/801
4,282,265	8/1981	Theuer .....	426/607
4,614,663	9/1986	Rule .....	426/601
4,721,626	1/1988	Rule .....	426/601
4,753,926	6/1988	Lucas .....	426/801
4,944,944	7/1990	Tang .....	426/801

**FOREIGN PATENT DOCUMENTS**

1577933 10/1980 United Kingdom .

2067587 7/1981 United Kingdom .  
2084172 4/1982 United Kingdom ..... 426/601  
2178752 2/1987 United Kingdom .

**OTHER PUBLICATIONS**

Babayan, U. K., "Medium-Chain Triglyceride—Their Composition, Preparation, and Application", J. Am. Oil Chem. Soc., 45, 23-5, (1968).

Bach, A. C. and Babayan, U. K., "Medium-Chain Triglycerides: an Update", Am. J. of Clin. Nut., 36, 950-962, (1982).

Going, L. H., "Interesterification Products and Processes", J. Am. Oil Chem. Soc., 44, 414A-456A, 1967, (reprint of).

Primary Examiner—Carolyn Paden  
Attorney, Agent, or Firm—Arthur G. Seifert

[57] **ABSTRACT**

Disclosed herein are all vegetable oil fat compositions having a randomized palmitic acid oil as the sole palmitic acid oil. The novel all vegetable oil fat compositions are particularly for use in human infant nutritional products and combine a lauric acid oil, an oleic acid oil and a linoleic acid oil with the randomized palmitic acid oil. Sunflower oleic oil and canola (LEAR) oil may be used as oleic acids oils. For preterm or low birth weight infants, medium-chain triglycerides (MCTs) are also included in the all vegetable oil fat compositions of the invention.

**50 Claims, No Drawings**