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Marsh et al.

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[54] **PROTEIN-CONTAINING DETERGENT COMPOSITIONS FOR PROTECTING KERATINOUS MATERIALS**

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[*] Notice: The portion of the term of this patent subsequent to Sep. 14, 1993, has been disclaimed.

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[30] **Foreign Application Priority Data**

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[52] **U.S. Cl.** **424/70; 252/DIG. 2; 252/DIG. 3; 252/DIG. 13; 252/142; 252/545; 252/550; 252/551; 252/554; 252/558; 424/DIG. 2; 424/359**

[58] **Field of Search** ..... 424/DIG. 2, 70, 359; 252/DIG. 2, DIG. 3, DIG. 13, 545, 550, 142, 551, 554, 558

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[57] **ABSTRACT**

Detergent Compositions having a protective effect on keratinous material incorporate a proteinaceous material whose primary amino or carboxylic acid side chain groups have been modified by reaction with C_1–C_7 acyl- or alkyl- group-containing materials respectively to give a modified protein of isoionic point (pI) less than pH 6. Granular, bar and liquid detergent formulations embodying the invention are disclosed.

8 Claims, No Drawings