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**United States Patent** [19]
**Collins et al.**

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[54] **DETERGENCY BUILDER SYSTEM**

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**Related U.S. Application Data**

[63] Continuation-in-part of Ser. No. 754,561, Jul. 11, 1985, which is a continuation-in-part of Ser. No. 702,521, Feb. 19, 1985, abandoned.

[51] **Int. Cl.**[4] ..... **C11D 3/20**; C11D 3/395

[52] **U.S. Cl.** ..... **252/95**; 252/99; 252/102; 252/525; 252/527; 252/544; 252/546; 252/174.19; 252/174.21; 252/174.23; 252/174.24; 252/DIG. 15

[58] **Field of Search** ..... 252/95, 99, 102, 525, 252/527, 544, 546, 174.19, 174.21, 174.23, 174.24, DIG. 15

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[57] **ABSTRACT**

Disclosed is a highly effective detergency builder system comprising the combination of particular ether carboxylate sequestering agents and particular types of dispersing/anti-redeposition agents. Such selected ether carboxylates can include oxydisuccinate, tartrate monosuccinate and/or tartrate disuccinate. Such particular dispersing/anti-redeposition agents can include salts of acrylic acid-based polymers and co-polymers or can include certian ethoxylated amine materials. This selected combination of particular ether carboxylate sequestering agents and particular dispersing/anti-redeposition agents provide an especially useful builder system for use in phosphorus-free detergent or laundry additive products.

**19 Claims, No Drawings**