

Title (en)

Proteolytic perhydrolysis system and method of use for bleaching.

Title (de)

Proteolytisches Perhydrolysesystem und Verfahren zur Anwendung für das Bleichen.

Title (fr)

Système de perhydrolyse protéolytique et procédé d'utilisation pour le blanchiment.

Publication

EP 0359087 A2 19900321 (EN)

Application

EP 89116326 A 19890905

Priority

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Abstract (en)

A perhydrolysis system or activated oxidant system for in situ generation of peracid in aqueous solutions is disclosed, including: (a) a protease enzyme; (b) an ester substrate having the structure R min (Z) @(CH₂)_r @-O-R, wherein R = C₁₋₁₁-alkyl, R min = C₁₋₁₀-alkyl or H, Z = O or a polyalkoxy residue of the formula (CH₂CH₂O)_m or <CHEM> wherein m = 0-10, r = 0 or 1; R and R min optionally having OH-substituents pendant on or terminating the hydrocarbyl chains, and (c) a source of peroxygen capable of reacting with the protease (a) and the ester substrate (b) to result in proteolytic production of peracid.

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Cited by

US5240743A; US5364554A; US5576470A; US5431843A; US5486212A; EP0447553A4; US5932532A; US5338474A; EP2292743A3; EP2295554A3; CN103333870A; EP2664670A1; US6432661B1; WO2005056782A3; US8772007B2; US9282746B2

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