

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **86201055.0**

(51) Int. Cl.³: **C 11 D 3/386**
C 11 D 3/39

(22) Date of filing: **18.06.86**

(30) Priority: **28.06.85 US 750569**

(43) Date of publication of application:
30.12.86 Bulletin 86/52

(88) Date of deferred publication of search report: **17.11.88**

(84) Designated Contracting States:
BE DE FR GB IT LU NL

(71) Applicant: **THE PROCTER & GAMBLE COMPANY**
One Procter & Gamble Plaza
Cincinnati Ohio 45202(US)

(72) Inventor: **Herdeman, Robert William**
179 Dogwood Drive
Loveland Ohio 45140(US)

(74) Representative: **Ernst, Hubert et al,**
PROCTER & GAMBLE EUROPEAN TECHNICAL CENTER
Temselaan 100
B-1820 Strombeek-Bever(BE)

(54) **Dry bleach and stable enzyme granular composition.**

(57) This invention relates to an enzyme and peroxyacid bleach granular composition comprising (1) a homogenously mixed granulate of enzymes and alkaline buffer salt to protect the enzymes from deactivation when mixed with (2) a strong peroxyacid bleach granulate. This composition can also contain detergent surface-active agents, water-soluble builder salts, and other ingredients commonly used in detergents and laundry additive products.



European Patent
Office

EUROPEAN SEARCH REPORT

0206418

Application Number

EP 86 20 1055

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	NL-A-7 000 742 (N.V. ORGANON) * Page 5, line 18 - page 6, line 8; page 6, lines 29-33; claims * ---	1,2,6	C 11 D 3/386 C 11 D 3/39
D,A	FR-A-2 357 301 (NOVO INDUSTRI) * Examples; claims * ---	1	
A	US-A-4 421 664 (L. ANDERSON) * Claims 1-5,10-15 * ---	1,3	
A	EP-A-0 135 227 (UNILEVER) * Examples * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			C 11 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 06-09-1988	Examiner PFANNENSTEIN H. F.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			