



(1) Publication number:

0 472 042 A1

(2) EUROPEAN PATENT APPLICATION

(21) Application number: **91113154.8**

2 Date of filing: 05.08.91

(51) Int. CI.5: **C11D 3/22**, C08B 31/18, C08L 3/10, C08L 3/02

Priority: 13.08.90 IT 6763690

Date of publication of application:26.02.92 Bulletin 92/09

Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

7) Applicant: FERTEC - FERRUZZI RICERCA E TECNOLOGIA S.r.I.
Via XIII Giugno 8
I-48100 Ravenna(IT)

Inventor: Santacesaria, Elio

Via Codogno 10 I-20139 Milano(IT) Inventor: Gelosa, Davino

Viale Golgi 76 I-27100 Pavia(IT)

Inventor: Brussani, Gianfranco

Via Don Cabrio 3

I-13051 Biella (Vercelli)(IT)

Representative: Rambelli, Paolo et al Jacobacci-Casetta & Perani S.p.A. Via Alfieri 17 I-10121 Torino(IT)

- Calcium-sequestering agents based on oxidised carbohydrates and their use as builders for detergents.
- A mixture including oxidised glucosidic oligomers including at least 60% by weight of glucosidic oligomers with degrees of polymerisation of from 2 to 10 which can be produced by the hydrolytic demolition of starches and/or dextrin with endoenzymes and the oxidation of the enzymatic hydrolytic demolition product with an oxidising agent selected from hypochlorite and periodate in association with chlorite is usable as a builder for detergents.