

Title (en)  
METHOD OF PROTECTING HEAT- OR OXYGEN-LABILE COMPOUNDS TO PRESERVE ACTIVITY AND BIOAVAILABILITY

Title (de)  
VERFAHREN ZUM SCHUTZ VON HITZE- BZW. SAUERSTOFFEMPFLINDLICHEN VERBINDUNGEN ZUR ERHALTUNG DER WIRKSAMKEIT UND BIOVERFUEGBARKEIT

Title (fr)  
PROCEDE PERMETTANT DE PROTEGER DES COMPOSES S'AVERANT LABILES EN PRESENCE D'OXYGENE ET/OU DE CHALEUR DE MANIERE A PRESERVER LEUR ACTIVITE ET BIODISPONIBILITE

Publication  
**EP 1115295 A4 20041215 (EN)**

Application  
**EP 99948490 A 19990924**

Priority

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- US 30741499 A 19990508

Abstract (en)  
[origin: WO0018254A2] A method for protecting the activity and bioavailability of heat- and/or oxygen-labile compounds during processing, particularly processing by extrusion of a food product containing the heat- and/or oxygen-labile compounds. Beadlets are formed wherein the heat- and/or oxygen-labile compound is protected by a shell of calcium alginate and an ancillary polymeric compound, such as gelatin. The beadlets are added to a food product prior to extrusion and protect the active compound against heat degradation during the extrusion process. The beadlets also provide a protected form of the compound that decreases oxidation. In an alternative embodiment, oxidizing agents and/or free radical initiators to be added to a product containing labile compounds are coated with the protective material to protect the labile compounds from degradation by the oxidizing agents and/or free-radical initiators.

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**A23L 1/30**; **A23L 1/0532**; **A23L 1/00**; **A23L 1/0562**; **A61K 9/16**; **A23K 1/00**

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Citation (search report)

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