

Title (en)

WATER AND UV DEGRADABLE LACTIC ACID POLYMERS

Title (de)

WASSER- UND UV-ABBAUBARE MILCHSÄUREPOLYMERE

Title (fr)

POLYMERES A BASE D'ACIDE LACTIQUE DEGRADABLES A L'EAU ET AUX RAYONS ULTRAVIOLETS

Publication

**EP 0697865 A1 19960228 (EN)**

Application

**EP 92914551 A 19920605**

Priority

US 9204684 W 19920605

Abstract (en)

[origin: WO9325202A1] A water and UV light degradable copolymer of monomers of lactic acid and a modifying monomer selected from the class consisting of ethylene and polyethylene glycols, propylene and polypropylene glycols, p-dioxanone, 1,5-dioxepan-2-one, 1,4-oxathialan-2-one, 1,4-dioxide and mixtures thereof. These copolymers are useful for waste disposal and agricultural purposes. Also disclosed is a water degradable blend of polylactic acid or modified polylactic acid and high molecular weight polyethylene oxide wherein the high molecular weight polyethylene oxide is present in the range of from about 2 % by weight to about 50 % by weight, suitable for films. A method of applying an active material selected from the class of seeds, seedlings, pesticides, herbicides, fertilizers and mixtures thereof to an agricultural site is also disclosed.

IPC 1-7

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