

Publication

**EP 0563291 A4 19940413**

Application

**EP 92903541 A 19911220**

Priority

US 63236290 A 19901221

Abstract (en)

[origin: WO9211298A1] A thermoplastic composition is provided which is degradable under the action of sunlight and/or ultraviolet light. The thermoplastic composition comprises a thermoplastic polymer, a first transition metal compound which may be a complex, a second transition metal compound and an aromatic ketone. The thermoplastic polymer preferably comprises an olefin such as polyethylene, ethylene copolymers, polypropylene, polystyrene or polyurethane. The first transition metal compound preferably comprises an iron compound such as iron stearate. The second transition metal preferably comprises copper stearate and the aromatic ketone preferably comprises benzophenone.

IPC 1-7

**C08F 8/50**

IPC 8 full level

**C08F 8/50** (2006.01); **C08J 11/10** (2006.01); **C08K 3/00** (2006.01); **C08K 3/10** (2006.01); **C08K 5/00** (2006.01); **C08K 5/05** (2006.01); **C08K 5/07** (2006.01); **C08K 5/098** (2006.01); **C08L 23/02** (2006.01); **C08L 25/00** (2006.01); **C08L 75/00** (2006.01); **C08L 75/04** (2006.01)

CPC (source: EP KR)

**C08F 8/50** (2013.01 - KR); **C08K 5/0033** (2013.01 - EP); **C08K 5/07** (2013.01 - EP); **C08K 5/098** (2013.01 - EP)

Citation (search report)

- [X] FR 2200299 A1 19740419 - HUELS CHEMISCHE WERKE AG [DE]
- [X] CHEMICAL ABSTRACTS, vol. 78, no. 12, 26 March 1973, Columbus, Ohio, US; abstract no. 73161y, YASUNO, KIYOSHI: "PHOTODEGRADABLE RESIN COMPOSITIONS" page 42; column 1; & JP S7227244 A
- [A] CHEMICAL ABSTRACTS, vol. 80, no. 20, 20 May 1974, Columbus, Ohio, US; abstract no. 109391f, TSUJI, KOJO: "PHOTODEGRADABLE POLYETHYLENE COMPOSITIONS" page 39; column 2; & JP S7384136 A
- See references of WO 9211298A1

Cited by

CN111393738A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**WO 9211298 A1 19920709**; CA 2098911 A1 19920622; EP 0563291 A1 19931006; EP 0563291 A4 19940413; JP 3184886 B2 20010709; JP H06504079 A 19940512; KR 930703370 A 19931129

DOCDB simple family (application)

**US 9109731 W 19911220**; CA 2098911 A 19911220; EP 92903541 A 19911220; JP 50375992 A 19911220; KR 930701906 A 19930621