

Title (en)
COMPOSITE MATERIAL CONTAINING MICROWAVE SUSCEPTOR MATERIALS

Publication
EP 0242952 B1 19930721 (EN)

Application
EP 87301481 A 19870220

Priority
• US 298087 A 19870123
• US 83228786 A 19860221

Abstract (en)
[origin: EP0242952A2] A composite material useful for controlled generation of heat by absorption of microwave energy is disclosed. The material comprises a dielectric substrate, e.g., polyethylene terephthalate film, coated with a mixture of an electrically conductive metal or metal alloy in flake form in a thermoplastic dielectric matrix, e.g., a polyester copolymer. In a preferred embodiment, the coating of flake/thermoplastic is applied so as to yield an isotropic coating with good heating performance reproducibility. The use of circular flakes with flat surfaces and smooth edges contributes substantially to good heating performance reproducibility.

IPC 1-7
H05B 6/64

IPC 8 full level
B65D 81/34 (2006.01)

CPC (source: EP)
B65D 81/3446 (2013.01); **B65D 2581/3443** (2013.01); **B65D 2581/3464** (2013.01); **B65D 2581/3472** (2013.01); **B65D 2581/3494** (2013.01)

Cited by
EP1965607A1; US4911938A; GB2211380A; US4935252A; US5349168A; US4959516A; EP0312333A3; EP0650905A3; US5343024A; US4917748A; JPH03505801A; US4972058A; EP0344839A1; US5925455A; US4982064A; US4904836A; US5070223A; EP0340037A3; WO9109509A1; WO9631091A1

Designated contracting state (EPC)
BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0242952 A2 19871028; EP 0242952 A3 19890517; EP 0242952 B1 19930721; CA 1274126 A 19900918; DE 3786589 D1 19930826; DE 3786589 T2 19940120

DOCDB simple family (application)
EP 87301481 A 19870220; CA 529935 A 19870217; DE 3786589 T 19870220