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(54) **Composite material containing microwave susceptor materials.**

(57) 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.

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EP 87 30 1481

DOCUMENTS CONSIDERED TO BE RELEVANT															
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)												
X,Y	FR-A-2 091 156 (VORWERK) * Claims 1,2,3 * ---	1,4,14	H 05 B 6/64												
Y	AU-A- 520 098 (PACIFIC TECHNOLOGY) * Claims 1,2,4,8 * ---	1,4,14													
A	US-A-4 267 420 (BRASTAD) * Claims 1,4,6,12 * ---	1,4,16													
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A	US-A-4 623 565 (HUYBRECHTS) * Claims 1,3,5 * ---	1,5													
A	US-A-4 272 475 (CHI) * Claims 1,3 * -----	1,4,5													
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)												
			H 05 B B 65 D B 32 B												
The present search report has been drawn up for all claims															
Place of search THE HAGUE		Date of completion of the search 24-02-1989	Examiner NICOLAS H.J.F.												
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