

Title (en)
Heating device of an overmolded heating element

Title (de)
Heizvorrichtung mit umgossenem Heizelement

Title (fr)
Dispositif de chauffage à corps de chauffe surmoulé

Publication
EP 0859537 B1 20020724 (FR)

Application
EP 98400335 A 19980213

Priority
FR 9701720 A 19970214

Abstract (en)
[origin: EP0859537A2] A heater, comprising an electrical resistance (4, 5) inside a body (2) of a moulded thermo-setting polymer material based on a non-saturated polyester resin. The heating element is made from a winding of an electrically resistant wire (5) round an insulating support (5) inside a silicone-based sleeve, while the polymer body can be reinforced with glass fibres and have other additives to give it resistance to UV rays. The polymer material should be resistant to high temperatures and can be, for example, polyamide 11, polyamide 66 or PET.

IPC 1-7
H05B 3/56

IPC 8 full level
H05B 3/56 (2006.01)

CPC (source: EP)
H05B 3/56 (2013.01)

Cited by
US10293529B2; EP1045615A1; FR2792491A1; FR2908261A1; FR2908262A1; US11505899B2

Designated contracting state (EPC)
BE ES FR GB IT

DOCDB simple family (publication)
EP 0859537 A2 19980819; EP 0859537 A3 19980902; EP 0859537 B1 20020724; ES 2180123 T3 20030201; FR 2759841 A1 19980821; FR 2759841 B1 19990430

DOCDB simple family (application)
EP 98400335 A 19980213; ES 98400335 T 19980213; FR 9701720 A 19970214