

Title (en)
RADIANT HEATER AND METHOD AND DEVICE FOR PRODUCING SAME

Publication
EP 0355388 B1 19930303 (DE)

Application
EP 89113041 A 19890715

Priority
DE 3828192 A 19880819

Abstract (en)
[origin: JPH0282486A] PURPOSE: To embed heating coils into an insulator while well holding them by removing fillers after filling a space released from the fillers in the heating coils with an insulating material. CONSTITUTION: Heating coils 16 are arranged on grooves 14 of a tool or a mold 13, and fillers 17 such as silica sand are filled into a part of the inside of the heating coils 16. An insulating material capable of being casted in a mold is pressurized on the mold 13. Therefore, the fillers 17 are made into facing dies, and the fillers 17 are removed when a compressed insulator 21 is taken out from a device 11, and they are dropped from heating coils. Therefore, the heating coils can be embedded in the insulator while being well held.

IPC 1-7
F24C 7/06; **H05B 3/74**

IPC 8 full level
F24C 7/06 (2006.01); **H05B 3/20** (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP US)
H05B 3/748 (2013.01 - EP US); **H05B 2203/017** (2013.01 - EP US); **Y10T 29/49083** (2015.01 - EP US)

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
EP 0355388 A1 19900228; **EP 0355388 B1 19930303**; AT E86373 T1 19930315; DE 3828192 A1 19900222; DE 58903642 D1 19930408; ES 2038806 T3 19930801; JP H0282486 A 19900323; US 5048176 A 19910917; US 5196678 A 19930323; YU 159589 A 19920720

DOCDB simple family (application)
EP 89113041 A 19890715; AT 89113041 T 19890715; DE 3828192 A 19880819; DE 58903642 T 19890715; ES 89113041 T 19890715; JP 19953789 A 19890802; US 38500889 A 19890725; US 69070991 A 19910424; YU 159589 A 19890814