

Title (en)
Heating element for crucible

Title (de)
Heizelement zum Beheizen von Schmelztiegeln

Title (fr)
Élément de chauffage pour creuset

Publication
EP 0690661 B1 19980408 (DE)

Application
EP 95109670 A 19950622

Priority
DE 4423196 A 19940701

Abstract (en)
[origin: EP0690661A1] An element heats the contents of a crucible and consists of a cylindrical hollow body (5) which is a series of meandering sections (7) each separated from the adjacent section by a slit (6). The novelty is that transitional zone from one section to the next is rounded. The margins (9) of the curved (7) meandering sections are of radius R whose dimension is approximately the same as the cross-section length L of one half (7a) of the meandering section.

IPC 1-7
H05B 3/62; F27D 11/02

IPC 8 full level
F27B 14/14 (2006.01); **F27D 11/02** (2006.01); **H05B 3/62** (2006.01)

CPC (source: EP US)
F27D 11/02 (2013.01 - EP US); **H05B 3/62** (2013.01 - EP US)

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 0690661 A1 19960103; EP 0690661 B1 19980408; CN 1115843 A 19960131; DE 4423196 A1 19960104; DE 59501823 D1 19980514; JP 2909529 B2 19990623; JP H0842976 A 19960216; KR 0171462 B1 19990218; US 5660752 A 19970826

DOCDB simple family (application)
EP 95109670 A 19950622; CN 95107691 A 19950620; DE 4423196 A 19940701; DE 59501823 T 19950622; JP 16632895 A 19950630; KR 19950019191 A 19950701; US 45048195 A 19950526