

Title (en)
HEATING CONTROL MEANS.

Title (de)
HEIZREGELEINRICHTUNG.

Title (fr)
ORGANES DE REGULATION DE CHAUFFAGE.

Publication
EP 0642409 A1 19950315 (EN)

Application
EP 93910289 A 19930526

Priority
• GB 9301086 W 19930526
• GB 9211249 A 19920527

Abstract (en)
[origin: WO9324302A1] Apparatus for controlling heating of heat sealing dies (12) relative to a target temperature has one or more electrical resistance heating elements (10) switched between "on" and "off" states for getting electrical power, according to frequency and durations of control signals. A first signal (from 42) proportional to said target temperature and a second signal (from 18) proportional to actual temperature to be controlled are compared (36, 38) to gauge prevailing temperature difference. Means (28, 30; 24, 26) responsive to comparison results is operative for varying said durations and said frequency of the control signals, both according to said temperature difference and to reduce same.

IPC 1-7
B29C 65/20; **G05D 23/19**

IPC 8 full level
B29C 65/18 (2006.01); **G05D 23/20** (2006.01); **B29C 65/00** (2006.01)

CPC (source: EP)
B29C 65/18 (2013.01); **B29C 65/305** (2013.01); **B29C 66/43** (2013.01); **B29C 66/91231** (2013.01); **B29C 66/91421** (2013.01); **B29C 66/91431** (2013.01); **B29C 66/91641** (2013.01); **B29C 66/91651** (2013.01); **B29C 66/961** (2013.01); **G05D 23/1912** (2013.01); **G05D 23/1913** (2013.01); **G05D 23/20** (2013.01); **B29C 66/949** (2013.01)

Citation (search report)
See references of WO 9324302A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IE IT LI NL PT SE

DOCDB simple family (publication)
WO 9324302 A1 19931209; AU 4085293 A 19931230; CA 2136093 A1 19931209; EP 0642409 A1 19950315; GB 9211249 D0 19920708

DOCDB simple family (application)
GB 9301086 W 19930526; AU 4085293 A 19930526; CA 2136093 A 19930526; EP 93910289 A 19930526; GB 9211249 A 19920527