

Title (en)  
INDUCTION COIL FOR CRUCIBLE INDUCTION FURNACES

Publication  
**EP 0230255 A3 19880309 (DE)**

Application  
**EP 87100362 A 19870114**

Priority  
DE 8600893 U 19860116

Abstract (en)  
[origin: EP0230255A2] An induction coil for crucible induction furnaces constructed from a plurality of coil sections (2,3,6,7,8) to which power can be applied separately from one another, and which are arranged coaxially at a distance above one another. In the intermediate space between in each case two coil sections (2,3,6,7,8) there is located in each case at least one cooling coil (4,9,10) of non-magnetic steel. The height of the cooling coil (4,9,10) or the cooling coils is between 100 and 250 mm. <IMAGE>

IPC 1-7  
**H05B 6/24**; **H05B 6/42**

IPC 8 full level  
**H05B 6/24** (2006.01); **H05B 6/42** (2006.01)

CPC (source: EP)  
**H05B 6/24** (2013.01); **H05B 6/42** (2013.01)

Citation (search report)  
• [A] FR 817998 A 19370915 - UNION ACIERS FINIS  
• [YD] DE 1037613 B 19580828 - JUNKER FA O  
• [A] FR 894271 A 19441219 - IND TERMO ELETTRICO MECCANICA G

Cited by  
EP0465406A3; CH680198A5

Designated contracting state (EPC)  
BE FR GB SE

DOCDB simple family (publication)  
**DE 8600893 U1 19860306**; EP 0230255 A2 19870729; EP 0230255 A3 19880309

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