

Title (en)

METHOD OF AND APPARATUS FOR HEATING MAGNETIZABLE METAL WORK PIECES

Publication

**EP 0159029 A3 19870506 (DE)**

Application

**EP 85104660 A 19850417**

Priority

- US 60254284 A 19840420
- US 60291484 A 19840423

Abstract (en)

[origin: EP0159029A2] Method of and apparatus for heating work pieces consisting of magnetisable metal to an elevated processing temperature, in which the work pieces are first of all heated inductively to a preheating temperature (T1), which is not substantially above the Curie point of the metal from which the work pieces are produced, and in which the preheated work pieces are then heated further in a highly effective electric radiant-heating furnace (F) to the preselected elevated final temperature (T2), which can, for example, be the forging temperature. For the purpose of preheating, the work pieces (W) are passed in stages through a duct (30) surrounded by an induction heating coil (32) and, from there, guided into the heating chamber (92) of an electric radiant heating furnace (F), through which they are passed in stages and in which they are brought to their final temperature (T2). <IMAGE>

IPC 1-7

**B21J 1/06**; **C21D 1/34**

IPC 8 full level

**B21J 1/06** (2006.01); **B21J 17/02** (2006.01); **C21D 1/34** (2006.01); **C21D 9/00** (2006.01); **H05B 6/02** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [A] DE 1145652 B 19630321 - PHILIPS PATENTVERWALTUNG
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Designated contracting state (EPC)

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