

Title (en)

Inductive heating device and process of billets with a billets heating coil

Title (de)

Vorrichtung und Verfahren zur induktiven Blockerwärmung mit einer Blockerwärmungsspule

Title (fr)

Dispositif et procédé de chauffage inductif de billettes à l'aide d'une bobine de chauffage de billettes

Publication

**EP 1280381 A3 20051221 (DE)**

Application

**EP 02011226 A 20020522**

Priority

- DE 10135396 A 20010725
- DE 10206269 A 20020215

Abstract (en)

[origin: EP1280381A2] The device has a single- or multi-layer block heating coil (4) with one or more successive, electrically isolated zones (Z1-Zn) supplied with electrical energy from a 3-phase supply via a switching device and control unit. The coil has several zones that are synchronously regulated with respect to frequency and phase of the inductive field. A converter (2) with variable frequency and modular design is provided for current supply to each zone. AN Independent claim is also included for the following: an inductive block heating method.

IPC 1-7

**H05B 6/44**; **H05B 6/04**; **H05B 6/06**; **H05B 6/40**

IPC 8 full level

**H05B 6/02** (2006.01); **H05B 6/04** (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP US)

**H05B 6/06** (2013.01 - EP US); **H05B 6/101** (2013.01 - EP US)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 05 14 September 2000 (2000-09-14)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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**EP 1280381 A2 20030129**; **EP 1280381 A3 20051221**; US 2003019868 A1 20030130; US 6815649 B2 20041109

DOCDB simple family (application)

**EP 02011226 A 20020522**; US 20144802 A 20020723