

Title (en)

INDUCTOR FOR HEATING RAILROAD RAILHEADS.

Title (de)

INDUKTOR ZUR HEIZUNG DES EISENBAHNSCHIENENKOPFES.

Title (fr)

INDUCTEUR DE CHAUFFAGE DE CHAMPIGNONS DE RAILS DE CHEMINS DE FER.

Publication

EP 0205464 A4 19870428 (EN)

Application

EP 85905577 A 19851025

Priority

US 67778084 A 19841204

Abstract (en)

[origin: WO8603646A1] A railroad rail head inductor (10) raises the temperature of the top and sides of the head (52) to austenizing temperatures without inducing thermal strains which generate horizontal kinks along the sides of the head. The inductor (10) has an electrical conductor (30) for carry alternating current across the top and along the lateral sides of the rail head (52) for concurrently inducing a magnetic flux in the top and sides of the rail head (52). Laminations of electrical steel (40) about the conductor are disposed on both sides of the rail for concentrating the magnetic flux induced in the lateral sides of the rail head (52). Laminations (41) may be provided about the conductor (30) over the rail head (52) for concentrating the magnetic flux concurrently induced in the top of the rail head (52).

IPC 1-7

H05B 6/40; **C21D 1/78**

IPC 8 full level

H05B 6/40 (2006.01); **C21D 1/10** (2006.01); **C21D 1/78** (2006.01); **C21D 9/04** (2006.01); **H05B 6/02** (2006.01); **H05B 6/36** (2006.01)

CPC (source: EP)

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Citation (search report)

- No relevant documents have been disclosed.
- See references of WO 8603646A1

Designated contracting state (EPC)

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