

Title (en)

Device and method for inductive heating of an electrically conductive workpiece

Title (de)

Vorrichtung und Verfahren zum induktiven Erwärmen eines elektrisch leitenden Werkstücks

Title (fr)

Dispositif et procédé destinés au réchauffement inductif d'une pièce à usiner conductrice électriquement

Publication

EP 2040512 B1 20100811 (DE)

Application

EP 08010441 A 20080609

Priority

CH 14722007 A 20070921

Abstract (en)

[origin: EP2040512A2] The device has a U-shaped magnet core (3) with two thighs (4). An electrically conducting coil (5) is arranged on one of the thigh of the U-shaped magnet core and is connected to an alternate current source. A magnet yoke (6) is arranged at distance of free standing end thigh of the U-shaped magnet core, so that a closed magnetic circuit with an air gap (7) is formed. The size of the air gap is selected in such a manner that the electrically conducting workpiece (2) is feasible contact less by the air gap. An independent claim is included for a method for inductive heating of an electrically conducting workpiece.

IPC 8 full level

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CPC (source: EP US)

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