

Title (en)  
INDUCTION FURNACE, EXTRUSION PRESS AND METHOD

Title (de)  
INDUKTIONSOFFEN, STRANGPRESSANLAGE UND VERFAHREN

Title (fr)  
FOUR À INDUCTION, INSTALLATION D'EXTRUSION ET PROCÉDÉ

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Application  
**EP 16766293 A 20160915**

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Abstract (en)  
[origin: WO2017063811A1] The invention relates to an induction furnace for heating a workpiece consisting of metal, in particular to temperatures between 400°C and 1100°C, for industrial applications. The invention also relates to an extrusion press comprising an induction furnace and also to a method for heating a workpiece with the induction furnace. The object of the invention is to heat a workpiece with little expenditure of energy. To achieve the object, an induction furnace comprises a plurality of permanent magnets for generating a magnetic field in an interior space. There is a holding device, by which a workpiece can be held in the interior space for heating. There is a drive, preferably with a controllable speed, for producing a relative movement between the holding device and the permanent magnets.

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