

Title (en)

MULTIPLE TEMPERATURE-CONTROL PROCESS FOR WORKPIECES BY MEANS OF A TRIPLEX FURNACE

Title (de)

MULTIPLES TEMPERIERVERFAHREN FÜR WERKSTÜCKE MITTELS TRIPLEXOFEN

Title (fr)

PROCÉDÉ DE THERMORÉGULATION MULTIPLE POUR PIÈCES À USINER FAISANT INTERVENIR UN FOUR TRIPLEX

Publication

**EP 4197094 A1 20230621 (DE)**

Application

**EP 21758702 A 20210812**

Priority

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- EP 2021072456 W 20210812

Abstract (en)

[origin: WO2022034164A1] Multiple temperature-control process for stators (7) and rotors of electric motors and components consisting of materials with different magnetic properties by means of a triplex furnace (1) for the quick, efficient and uniform heating-up of preferably tubular components such as stators (7), wherein the magnetic parts of a component are primarily heated up by means of induction and at the same time non-magnetic parts of the same component are primarily heated up by means of infrared radiation, and at the same time and subsequently secondary heating takes place by means of convection, in particular by passive heating elements (10), which serves for finely adjusting the target temperature and for maintaining it.

IPC 8 full level

**H02K 15/12** (2006.01); **C21D 8/12** (2006.01); **F27B 17/00** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2022034164A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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