

Title (en)
INDUCTION FURNACE

Title (de)
INDUKTIONSOFEN

Title (fr)
FOUR A INDUCTION

Publication
EP 1954998 B1 20150715 (EN)

Application
EP 05849749 A 20051202

Priority
IT 2005000708 W 20051202

Abstract (en)
[origin: WO2007063562A1] Induction furnace (1) including an infiltration around said crucible (7), said crucible (7) being provided with walls (10, 11, 12) defining an infiltration chamber (13) such as to house a workpiece (14) to be subjected to infiltration and a material (15) to be infiltrated into porosities present in said workpiece characterized in that said walls of the crucible (7) are made in Carbon/Carbon and can be heated through inductive effect by, said coil (8) in order to heat said infiltration chamber (13) to a temperature such as to enable melting of said material (15) and infiltration of said material (15) into said workpiece (14).

IPC 8 full level
F27B 14/06 (2006.01); **C04B 35/83** (2006.01); **F27B 14/10** (2006.01); **H05B 6/24** (2006.01)

CPC (source: EP)
F27B 14/061 (2013.01); **F27B 14/10** (2013.01); **H05B 6/24** (2013.01)

Cited by
WO2021001163A1

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DOCDB simple family (publication)
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IT 2005000708 W 20051202; EP 05849749 A 20051202; SI 200532014 T 20051202