

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

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007063562 A1 20070607**; EP 1954998 A1 20080813; EP 1954998 B1 20150715; SI 1954998 T1 20151231

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