

Title (en)  
CRUCIBLE INDUCTION FURNACE WITH AT LEAST TWO COILS CONNECTED IN PARALLEL TO A RESONANT FREQUENCY CONVERTER

Title (de)  
INDUKTIONSTIEGELOFEN MIT MINDESTENS ZWEI PARALLEL AN EINEN SCHWINGKREISUMRICHTER ANGESCHLOSSENEN SPULEN

Title (fr)  
FOUR A CREUSET A INDUCTION COMPORTANT AU MOINS DEUX BOBINES RACCORDEES EN PARALLELE A UN CONVERTISSEUR DE FREQUENCE A CIRCUIT OSCILLANT

Publication  
**EP 0752194 B1 19980715 (DE)**

Application  
**EP 95913850 A 19950318**

Priority  
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• DE 4410436 A 19940325

Abstract (en)  
[origin: WO9526619A1] Described is a crucible induction furnace with at least two coils (3, 4) connected in parallel to a resonant frequency converter (5). The coils run round the wall of the crucible (2) and are disposed next to each other along the axis of the crucible, a capacitive resistor (6, 7) being connected in series with each coil (3, 4). This design ensures improved distribution, suited to the particular process conditions, of the power provided by the frequency converter (5) to the coils (3, 4).

IPC 1-7  
**H05B 6/06**; **H05B 6/24**

IPC 8 full level  
**H05B 6/06** (2006.01); **H05B 6/24** (2006.01)

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