

Title (en)

Cooled furnace roller, in particular for a roller hearth furnace

Title (de)

Kühlbare Ofenrolle, insbesondere für einen Rollenherdofen

Title (fr)

Rouleau refroidi de four, en particulier pour un four à sole à rouleaux

Publication

**EP 1197721 B1 20051207 (DE)**

Application

**EP 01119495 A 20010814**

Priority

DE 10047046 A 20000922

Abstract (en)

[origin: DE10047046A1] Furnace roll (1) comprises a shaft (3) with inner lying coolant channels (4, 5) arranged outside of the furnace; and supporting rings (7) arranged on the shaft using a receiving bore (6) and forming a conveying surface. A clamping ring (8) made of metal or metal alloy is arranged between the supporting rings and the shaft to form an optimum metallic contact for unhindered heat transfer. Steel bushings (9) are connected to the shaft to form a torsion-stable connection. Preferred Features: The clamping ring is made of a copper malleable alloy according to DIN 17666 or is made of copper, copper alloy or a soft copper/silver alloy. The supporting rings are coated with a hard metal coating (12) on its peripheral transporting surface.

IPC 1-7

**F27D 3/02**

IPC 8 full level

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CPC (source: EP US)

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