

Title (en)  
COOLING PLATE

Title (de)  
KÜHLPLATTE

Title (fr)  
PLAQUE DE REFROIDISSEMENT

Publication  
**EP 1373579 A1 20040102 (DE)**

Application  
**EP 02732511 A 20020321**

Priority  
• DE 10114720 A 20010323  
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Abstract (en)  
[origin: DE10114720A1] Cooling plate (1) comprises a first cooling plate part (2) facing the inside of a furnace and a second cooling plate part (3) welded together; a cooling channel (7) produced between the two parts; and tubular sections (8,9) for introducing and removing coolant. The first cooling plate part is formed as a rolling block with a planar front side (14) facing the inside of the furnace. The cross-sectional surface of the cooling channel is larger in the end regions (18, 19) than in the middle region (20). An Independent claim is also included for a system for cooling shaft furnaces. Preferred Features: The end regions are bent on one or both sides. The second cooling plate part is welded with its longitudinal edges to the rear side (5) of the first cooling plate part.

IPC 1-7  
**C21B 7/10; F27B 1/24**

IPC 8 full level  
**C21B 7/10** (2006.01); **F27B 1/24** (2006.01); **F27D 1/12** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP KR US)  
**C21B 7/10** (2013.01 - EP KR US); **F27B 1/24** (2013.01 - EP US); **F27D 1/12** (2013.01 - EP US); **F27D 2009/0013** (2013.01 - EP US); **F27D 2009/0045** (2013.01 - EP US); **F27D 2009/0048** (2013.01 - EP US); **F27D 2009/0051** (2013.01 - EP US); **F27D 2009/0062** (2013.01 - EP US)

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