

Title (en)  
COOLING-ZONE FOR A KILN, ESPECIALLY FOR A ROLLER HEARTH FURNACE

Publication  
**EP 0054184 B1 19850130 (DE)**

Application  
**EP 81109620 A 19811111**

Priority  
DE 3046918 A 19801212

Abstract (en)  
[origin: EP0054184A1] 1. A roller kiln through which the objects for firing, in the form of ceramic tiles or plates, are conducted in one layer without any supporting kiln furniture of refractory material, having a preheating, a firing and a cooling zone in which the cooling of the fired objects takes place indirectly by means of a flowing heat transfer medium in order to prevent reoxidation, this heat transfer medium being conducted in pipe coils or registers which are arranged above the fired objects and shielded adjustably against them, characterized in that pipe coils or registers conducting a flowing heat transfer medium are also arranged under the fired objects.

IPC 1-7  
**F27B 9/12**; **F27B 9/20**; **F27D 7/06**

IPC 8 full level  
**F27B 9/12** (2006.01); **F27B 9/20** (2006.01); **F27B 9/30** (2006.01); **F27D 7/06** (2006.01); **F27B 9/24** (2006.01); **F27B 9/36** (2006.01); **F27D 5/00** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP)  
**F27B 9/12** (2013.01); **F27B 9/20** (2013.01); **F27D 7/06** (2013.01); **F27B 9/2407** (2013.01); **F27B 2009/124** (2013.01); **F27B 2009/3692** (2013.01); **F27D 5/0062** (2013.01); **F27D 2009/0072** (2013.01); **F27D 2009/0081** (2013.01)

Cited by  
CN111089474A

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FR IT NL

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**EP 81109620 A 19811111**; DE 3046918 A 19801212; JP 19777081 A 19811210; ZA 818250 A 19811127