

Title (en)  
Air-coolable furnace wall.

Title (de)  
Luftkühlbare Feuerraumwand.

Title (fr)  
Paroi de four pouvant être refroidie par air.

Publication  
**EP 0216021 A1 19870401 (DE)**

Application  
**EP 86107903 A 19860610**

Priority  
DE 3533240 A 19850918

Abstract (en)  
[origin: US4671191A] The invention relates to an air-cooled combustion chamber wall for combustion furnaces. The combustion chamber wall comprises at least one masonry wall with a space in the middle for the passage of cooling air along the side of the wall away from the combustion chamber side. To create a simple, stable and effective structure, the invention proposes that the masonry be made of bricks, whose walls enclose at least one air duct.

Abstract (de)  
Luftkühlbare Feuerraumwand für Verbrennungsöfen, bestehend aus mindestens einem Mauerwerk mit Zwischenraum für die Führung von Kühlluft an der der Feuerraumseite abgewandten Wandseite entlang. Zur Schaffung einer einfachen, stabilen Konstruktion ist, das Mauerwerk aus Steinen (1) aufgebaut, deren Wandungen (2) jeweils mindestens einen Luftkanal (3) umschließen.

IPC 1-7  
**F23M 5/08**; **F23M 5/02**; **F27D 1/00**

IPC 8 full level  
**F23M 5/02** (2006.01); **F23M 5/08** (2006.01); **F27D 1/00** (2006.01)

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**F23M 5/02** (2013.01 - EP US); **F23M 5/085** (2013.01 - EP US); **F27D 1/00** (2013.01 - EP US)

Citation (search report)

- [X] US 1809417 A 19310609 - MICHAEL LIPTAK
- [X] US 1831675 A 19311110 - LODWICK JASON A
- [A] FR 1162290 A 19580910 - CIE GEN DE CONSTR DE FOURS
- [A] US 1812315 A 19310630 - BAUMGARTNER HENRY H
- [A] US 1635851 A 19270712 - MICHAEL LIPTAK

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