

Title (en)  
VACUUM CHAMBER TYPE FURNACE

Publication  
**EP 0312909 B1 19910918 (DE)**

Application  
**EP 88116992 A 19881013**

Priority  
DE 3735186 A 19871017

Abstract (en)  
[origin: EP0312909A1] To obtain a cooling zone, which is as homogeneous as possible, for the workpieces (11) to be treated in a vacuum chamber-type furnace for the heat treatment of metallic workpieces, the invention proposes that the heating chamber (6) used for the heat treatment is provided on two mutually opposite sides with nozzles (9) which can be charged simultaneously with cooling gas, that the carrier devices (12) hold the workpieces (11) to be treated in that region in which the gas streams produced by the opposite nozzles (9) impinge on one another and that the heating chamber (6) is provided with slots (13) for gas discharge in wall regions adjacent to this impingement region. <IMAGE>

IPC 1-7  
**C21D 1/767**; **C21D 1/773**; **F27B 5/04**; **F27D 7/04**

IPC 8 full level  
**C21D 1/767** (2006.01); **C21D 1/773** (2006.01); **F27B 5/04** (2006.01); **F27D 7/04** (2006.01)

CPC (source: EP US)  
**C21D 1/767** (2013.01 - EP US); **C21D 1/773** (2013.01 - EP US); **F27B 5/04** (2013.01 - EP US); **F27D 7/04** (2013.01 - EP US)

Cited by  
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AT BE ES FR GB IT NL SE

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