

Title (en)  
Gas quenching chamber

Title (de)  
Gasabschreckkammer

Title (fr)  
Cellule de trempe au gaz

Publication  
**EP 1167549 A1 20020102 (FR)**

Application  
**EP 01410074 A 20010620**

Priority  
FR 0007875 A 20000620

Abstract (en)  
A cell (20) for hardening steel components by circulating a gaseous fluid in an airtight enclosure (23) incorporates at least one static aspirator (26) for organizing the circulation of the gaseous fluid. The gaseous fluid present at the inlet to the static aspirator is at pressure greater than atmospheric pressure. The gaseous fluid used can be nitrogen, hydrogen, helium or air.

Abstract (fr)  
L'invention concerne une cellule (20) de trempe de pièces d'acier par circulation d'un fluide gazeux dans une enceinte étanche (23), comportant au moins un aspirateur statique (26) pour organiser la circulation du fluide gazeux. <IMAGE>

IPC 1-7  
**C21D 1/767**; **C21D 1/613**; **C21D 1/62**

IPC 8 full level  
**C23C 8/22** (2006.01); **C21D 1/00** (2006.01); **C21D 1/06** (2006.01); **C21D 1/613** (2006.01); **C21D 1/62** (2006.01); **C21D 1/767** (2006.01); **F27B 5/04** (2006.01); **F27D 7/04** (2006.01)

CPC (source: EP US)  
**C21D 1/613** (2013.01 - EP US); **C21D 1/62** (2013.01 - EP US); **C21D 1/767** (2013.01 - EP US)

Citation (search report)

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- [Y] FR 1557613 A 19690221
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- [A] DE 681750 C 19390930 - SIEMENS AG

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