

Title (en)

Gas-heated carburising installation

Title (de)

Aufkohlungsanlage mit Gasaufheizung

Title (fr)

Installation de cémentation chauffée au gaz

Publication

**EP 1162279 B1 20050817 (FR)**

Application

**EP 01410062 A 20010605**

Priority

FR 0007232 A 20000606

Abstract (en)

[origin: EP1162279A1] Cell for the heat treatment of steel components at low pressure comprises a heating system (1) made up of radiant gas fired tubes distributed around a useful volume of an airtight enclosure and a control system (2) provided with at least one mode of regulation by impulses of the heating system. An Independent claim is included for an installation for the low pressure heat treatment of steel components incorporating several of these cells.

IPC 1-7

**C21D 1/773**; **C23C 8/22**; **F27D 23/00**

IPC 8 full level

**C23C 8/22** (2006.01); **C21D 1/06** (2006.01); **C21D 1/52** (2006.01); **C21D 1/773** (2006.01); **C23C 8/20** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP US)

**C21D 1/773** (2013.01 - EP US); **C23C 8/20** (2013.01 - EP US); **F27D 99/0035** (2013.01 - EP US)

Cited by

US10156006B2; US10934611B2; US9617632B2; US10246766B2; US11035032B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1162279 A1 20011212**; **EP 1162279 B1 20050817**; AT E302290 T1 20050915; CA 2350004 A1 20011206; CN 1328171 A 20011226; DE 60112657 D1 20050922; DE 60112657 T2 20060614; DE 60112657 T9 20061019; FR 2809746 A1 20011207; FR 2809746 B1 20030321; JP 2002146513 A 20020522; MX PA01005661 A 20031006; US 2002017746 A1 20020214; US 6627145 B2 20030930

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