

Title (en)
Method and device for heat treating

Title (de)
Vorrichtung und Verfahren zum Wärmebehandeln

Title (fr)
Dispositif et procédé de traitement thermique

Publication
EP 0872563 B1 20000524 (FR)

Application
EP 98400761 A 19980331

Priority
FR 9705230 A 19970428

Abstract (en)
[origin: EP0872563A1] A device is claimed for heat treatment incorporating a cooling system (1, 2, 3, 4, 4') comprising a distribution system (3, 4, 4') delivering at least one cooling fluid. It also incorporates a protection system (5, 5a, 5b, 12, 12') arranged in such a manner that it is able to maintain a protective gaseous atmosphere over at least a part of the distribution system (3, 4, 4'). The method for using this device for heat treatment of a material is also claimed, in which (a) at least one jet containing at least one hot gas vector is sprayed onto at least a part of the surface of the material; (b) at least a part of the material is cooled by means of at least one distribution nozzle delivering a fluid refrigerant; and (c) at least a part of the distribution nozzle is maintained under a protective gaseous atmosphere containing at least one protective gas. A protective sleeve for the device, the utilisation of the device in a heat treatment process and components fabricated by such a process are also claimed.

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IPC 8 full level
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Cited by
EP1091181A1; EP1152198A1; FR2808585A1; EP2060652A4; DE102008064083A1; US6412288B1; WO2008074301A2; WO2008074301A3; WO2087803A1; WO0007790A1; WO2022042330A1

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