

Title (en)

METHOD OF PRODUCING A GAS-ANNEALING ATMOSPHERE IN A HEAT-TREATING DEVICE

Publication

**EP 0364709 B1 19920701 (DE)**

Application

**EP 89116228 A 19890902**

Priority

DE 3830559 A 19880908

Abstract (en)

[origin: EP0364709A1] The invention relates to a method of producing a gas-annealing atmosphere in a heat-treating device by thermal decomposition of the starting materials introduced into the treatment chamber of the heat-treating device. An inexpensive, flexible and simply-constructed method is achieved by the simultaneous introduction, performed adjacent to one another, of hydrocarbon gas, alcohol, air and nitrogen into the treatment chamber of the heat-treating device, the starting materials being introduced in a stoichiometric ratio to one another in such a way that the total S of the mass ratios of the mass of the starting materials mn to the mass of the starting material air mL, i.e. <IMAGE> gives a value in the range from 0.2 to 4, preferably 0.5 to 2.0. <IMAGE>

IPC 1-7

**C21D 1/76**

IPC 8 full level

**C21D 1/76** (2006.01)

CPC (source: EP)

**C21D 1/76** (2013.01)

Designated contracting state (EPC)

AT CH DE ES FR IT LI NL

DOCDB simple family (publication)

**EP 0364709 A1 19900425; EP 0364709 B1 19920701**; AT E77841 T1 19920715; DE 3830559 C1 19890309; DE 58901774 D1 19920806; ES 2033500 T3 19930316; PT 91642 A 19900330; PT 91642 B 19950809

DOCDB simple family (application)

**EP 89116228 A 19890902**; AT 89116228 T 19890902; DE 3830559 A 19880908; DE 58901774 T 19890902; ES 89116228 T 19890902; PT 9164289 A 19890906